

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061825\
 Data File : VY022739.D
 Acq On : 18 Jun 2025 15:41
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: Jun 19 05:46:42 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)

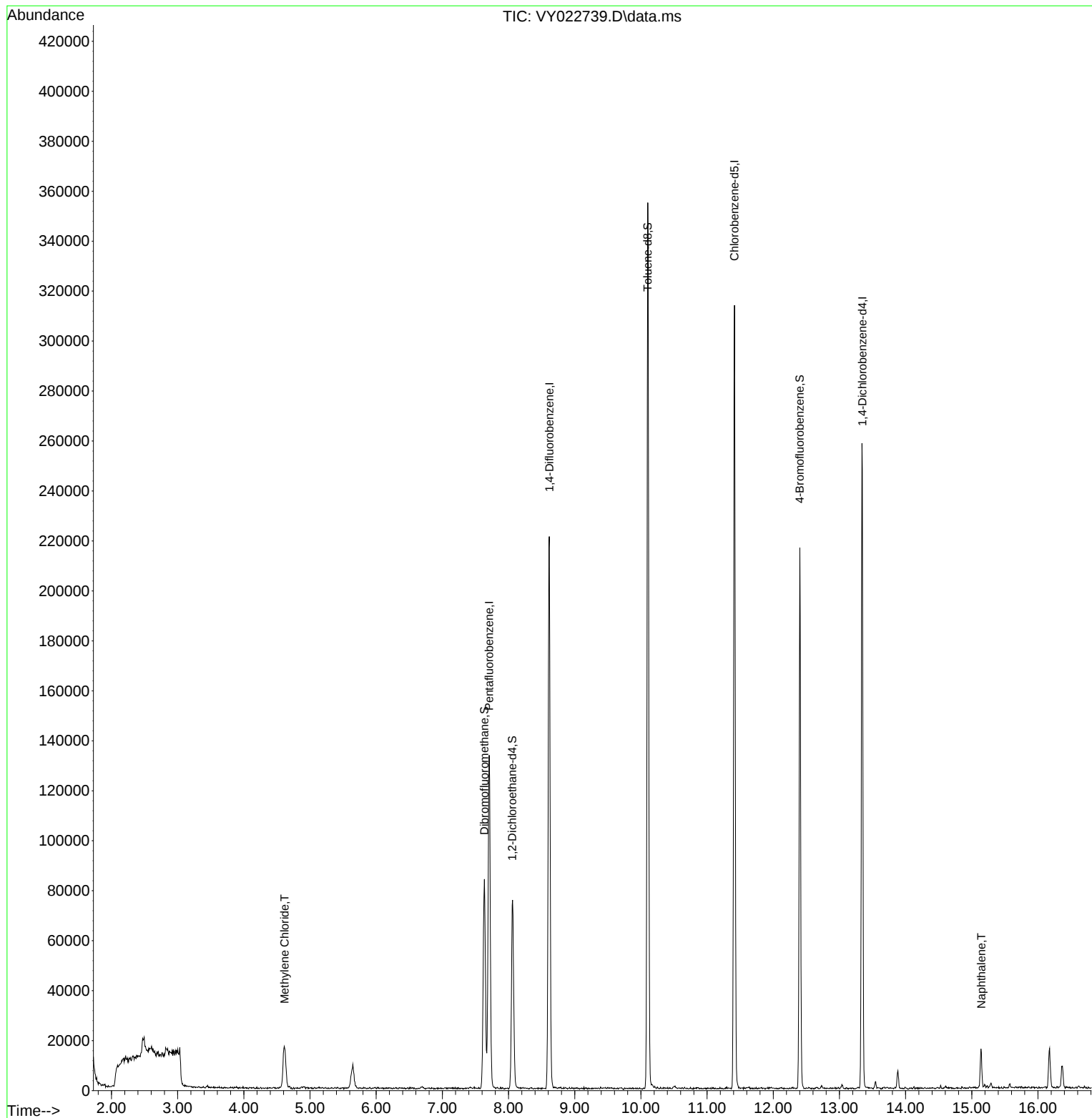
Internal Standards						
1) Pentafluorobenzene	7.707	168	98061	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	183125	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	156190	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	60249	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	58686	53.509	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 107.020%	
35) Dibromofluoromethane	7.634	113	56477	51.670	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.340%	
50) Toluene-d8	10.103	98	221395	50.128	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 100.260%	
62) 4-Bromofluorobenzene	12.402	95	57669	43.824	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 87.640%	
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.616	84	12246	9.679	ug/l	94
95) Naphthalene	15.145	128	12019	6.395	ug/l	99

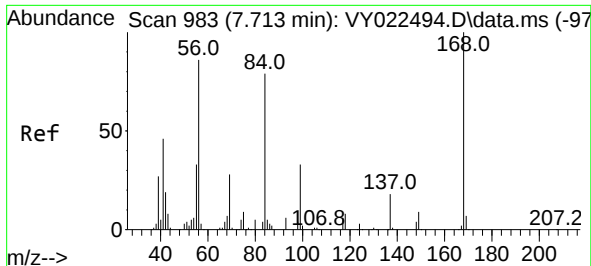
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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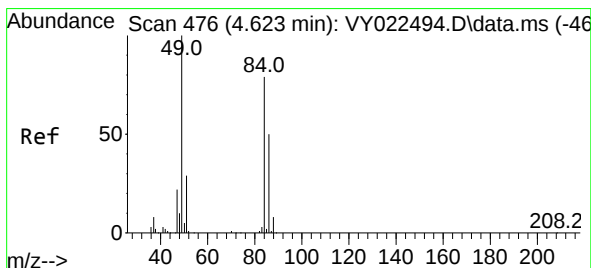
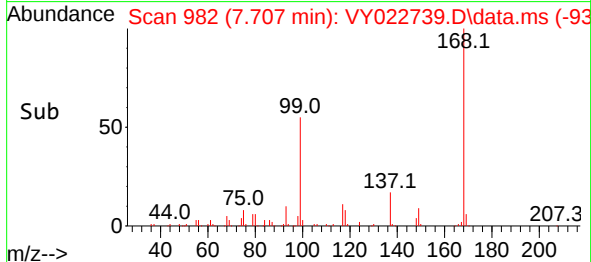
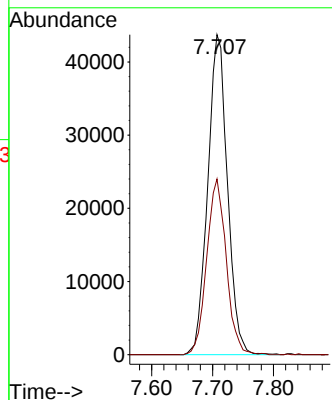
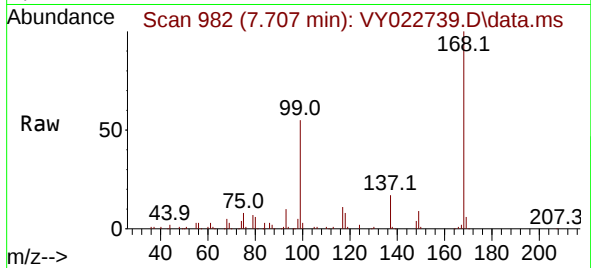




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022739.D
Acq: 18 Jun 2025 15:41

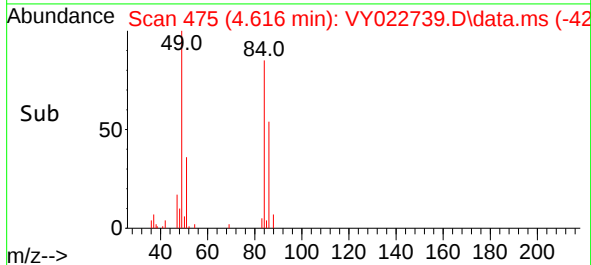
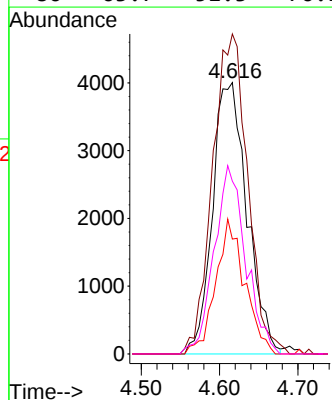
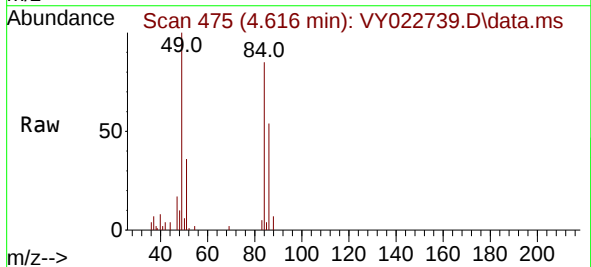
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

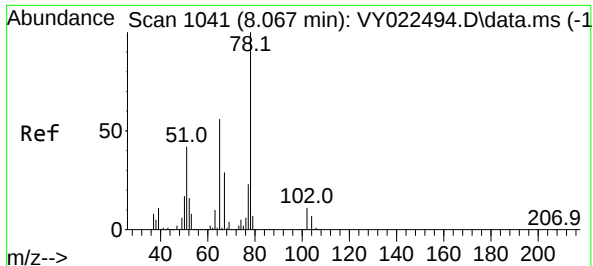
Tgt Ion:168 Resp: 98061
Ion Ratio Lower Upper
168 100
99 54.9 44.3 66.5



#20
Methylene Chloride
Concen: 9.679 ug/l
RT: 4.616 min Scan# 475
Delta R.T. -0.006 min
Lab File: VY022739.D
Acq: 18 Jun 2025 15:41

Tgt Ion: 84 Resp: 12246
Ion Ratio Lower Upper
84 100
49 117.9 101.9 152.9
51 42.3 29.8 44.8
86 63.7 51.3 76.9





#33

1,2-Dichloroethane-d4

Concen: 53.509 ug/l

RT: 8.055 min Scan# 1

Delta R.T. -0.012 min

Lab File: VY022739.D

Acq: 18 Jun 2025 15:41

Instrument :

MSVOA_Y

ClientSampleId :

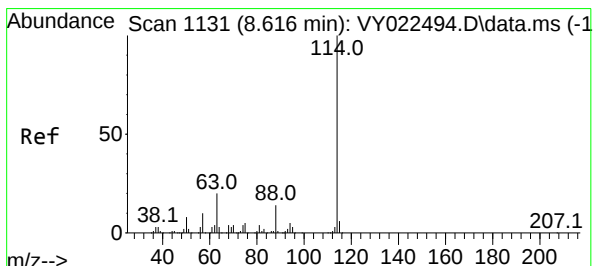
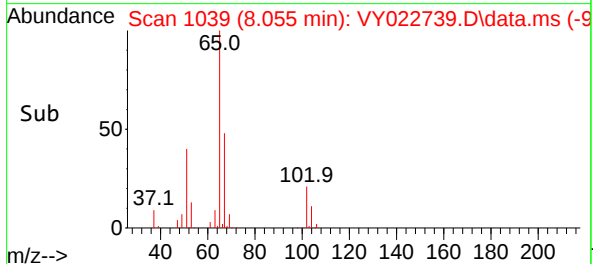
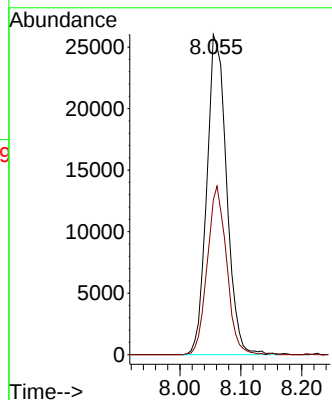
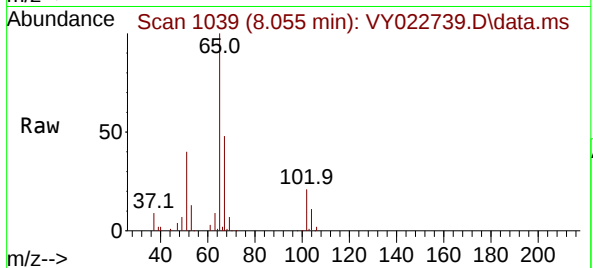
VIBLK

Tgt Ion: 65 Resp: 58686

Ion Ratio Lower Upper

65 100

67 51.4 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: VY022739.D

Acq: 18 Jun 2025 15:41

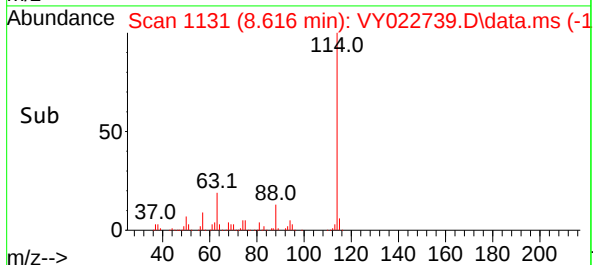
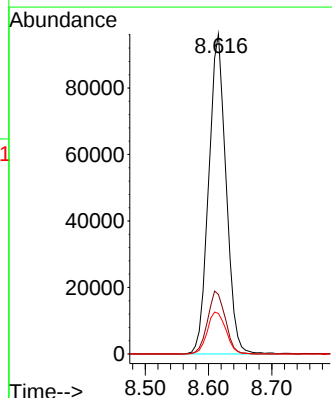
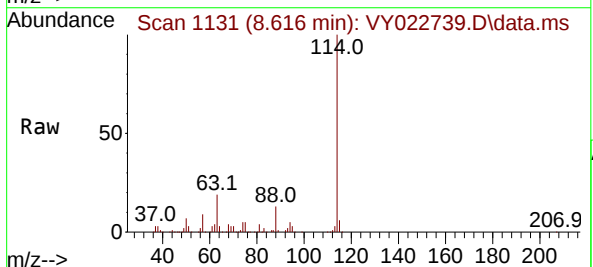
Tgt Ion: 114 Resp: 183125

Ion Ratio Lower Upper

114 100

63 18.6 0.0 40.8

88 12.7 0.0 27.8

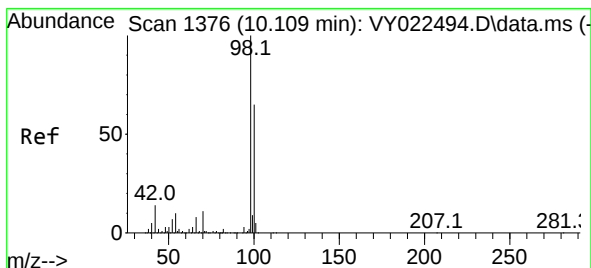
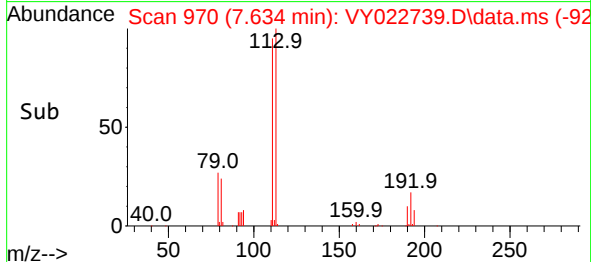
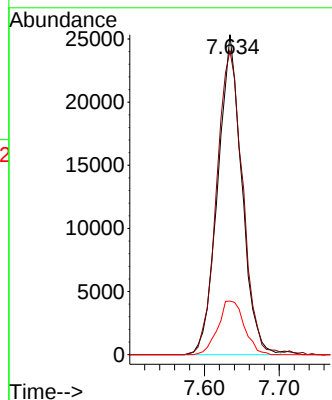
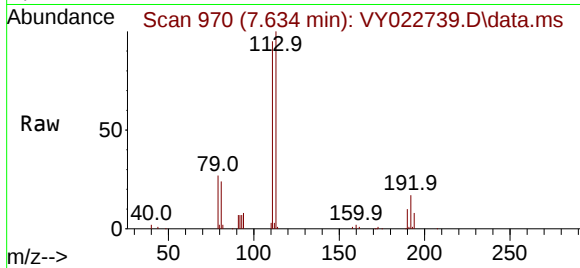




#35
Dibromofluoromethane
Concen: 51.670 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022739.D
Acq: 18 Jun 2025 15:41

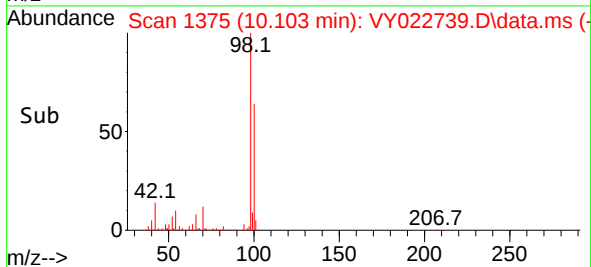
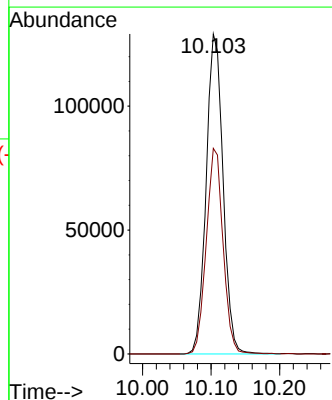
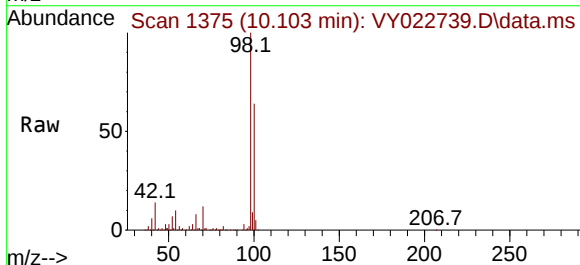
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

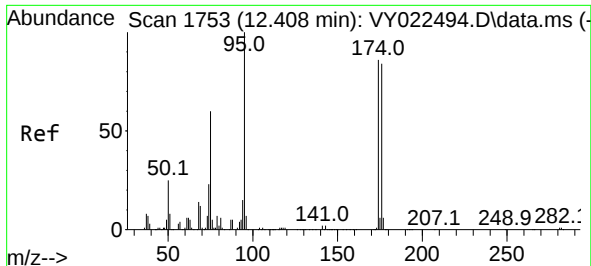
Tgt Ion:113 Resp: 56477
Ion Ratio Lower Upper
113 100
111 103.0 81.1 121.7
192 18.4 14.2 21.2



#50
Toluene-d8
Concen: 50.128 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022739.D
Acq: 18 Jun 2025 15:41

Tgt Ion: 98 Resp: 221395
Ion Ratio Lower Upper
98 100
100 64.0 51.4 77.0





#62

4-Bromofluorobenzene

Concen: 43.824 ug/l

RT: 12.402 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY022739.D

Acq: 18 Jun 2025 15:41

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

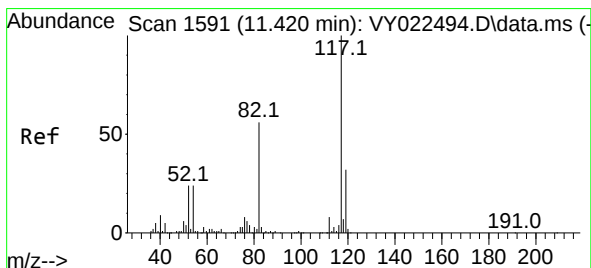
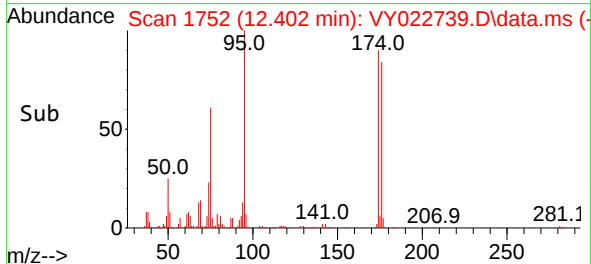
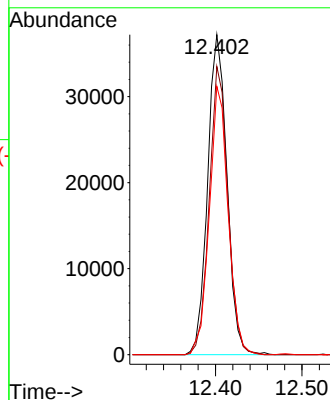
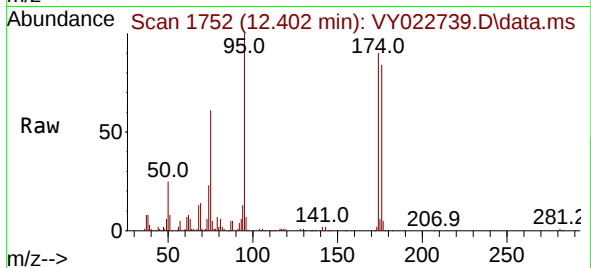
Tgt Ion: 95 Resp: 57669

Ion Ratio Lower Upper

95 100

174 87.2 0.0 170.0

176 81.7 0.0 166.2



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 1590

Delta R.T. -0.006 min

Lab File: VY022739.D

Acq: 18 Jun 2025 15:41

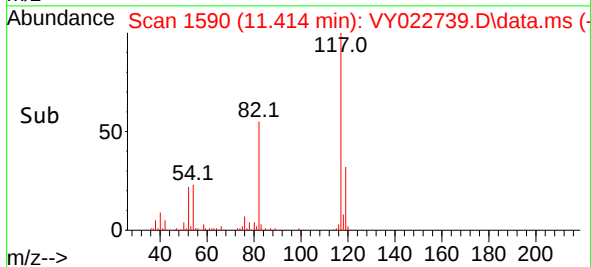
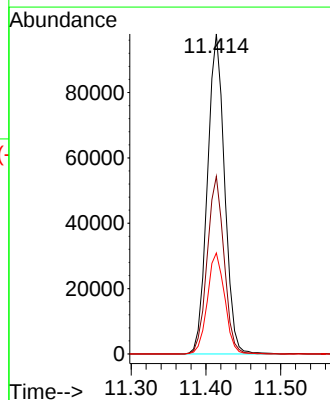
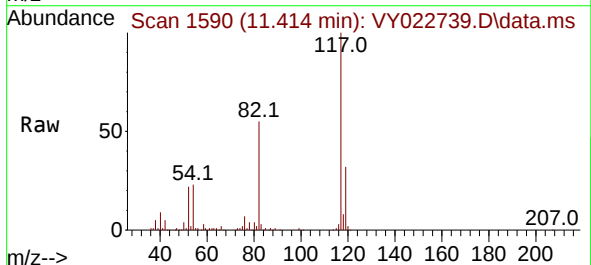
Tgt Ion: 117 Resp: 156190

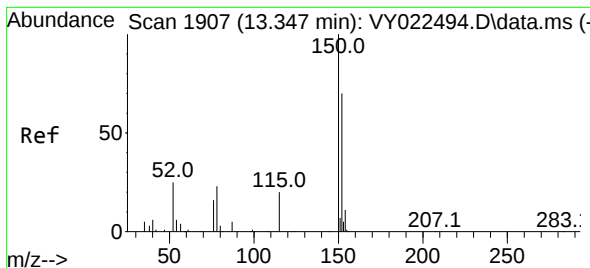
Ion Ratio Lower Upper

117 100

82 55.5 44.6 66.8

119 31.5 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: VY022739.D

Acq: 18 Jun 2025 15:41

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

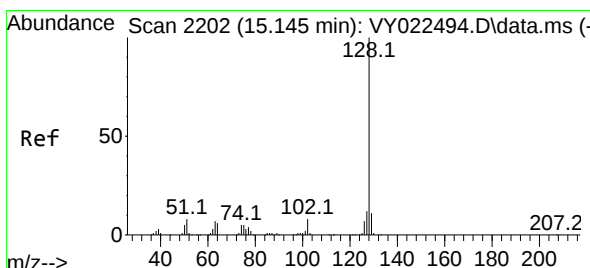
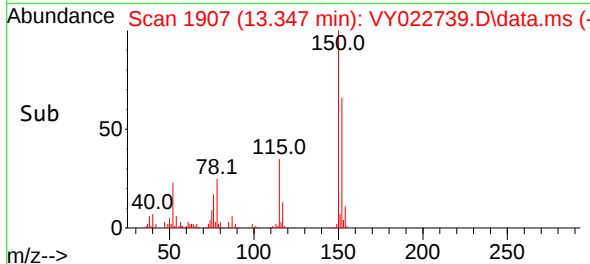
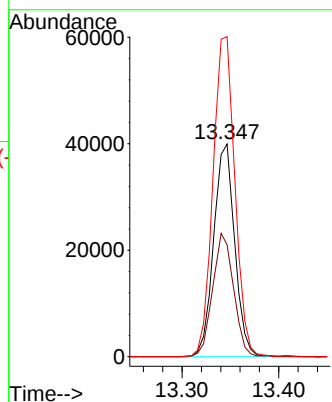
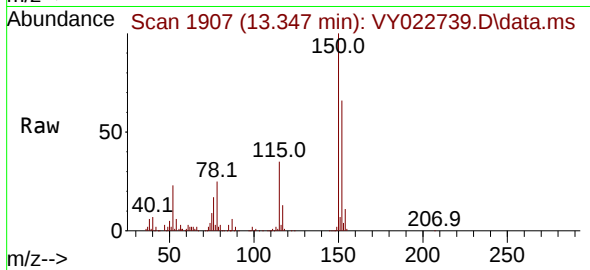
Tgt Ion:152 Resp: 60249

Ion Ratio Lower Upper

152 100

115 57.9 28.9 86.7

150 157.0 0.0 349.6



#95

Naphthalene

Concen: 6.395 ug/l

RT: 15.145 min Scan# 2202

Delta R.T. -0.000 min

Lab File: VY022739.D

Acq: 18 Jun 2025 15:41

Tgt Ion:128 Resp: 12019

Ion Ratio Lower Upper

128 100

127 12.9 10.4 15.6

129 11.5 8.9 13.3

