

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061125\
 Data File : VY022663.D
 Acq On : 11 Jun 2025 14:45
 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 12 06:44:29 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)

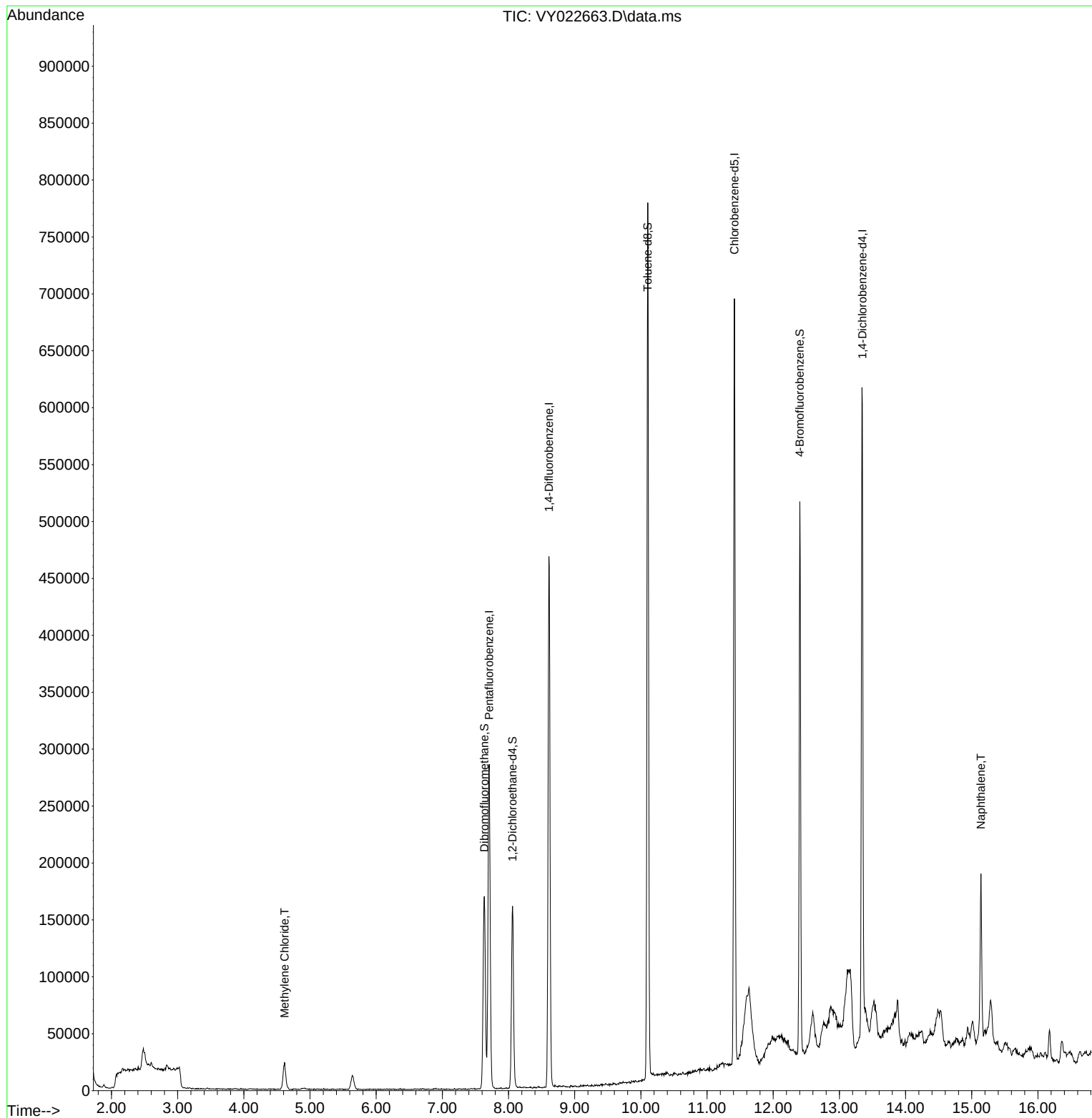
Internal Standards						
1) Pentafluorobenzene	7.707	168	213011	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	392635	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	326970	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	131452	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	116936	49.083	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.160%
35) Dibromofluoromethane	7.634	113	116665	49.781	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.560%
50) Toluene-d8	10.103	98	474296	50.087	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.180%
62) 4-Bromofluorobenzene	12.402	95	127728	45.271	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	90.540%
Target Compounds						
20) Methylene Chloride	4.616	84	15050	5.476	ug/l	91
95) Naphthalene	15.139	128	97056	23.671	ug/l	98

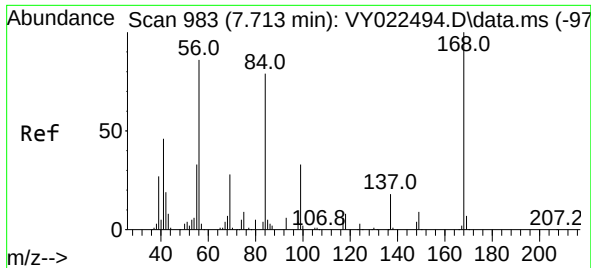
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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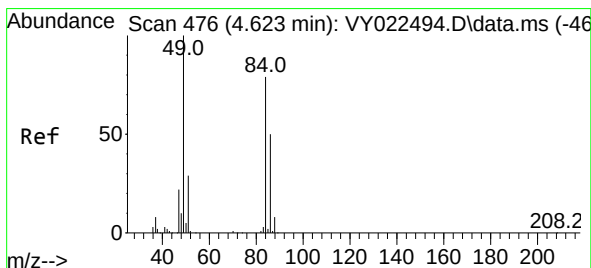
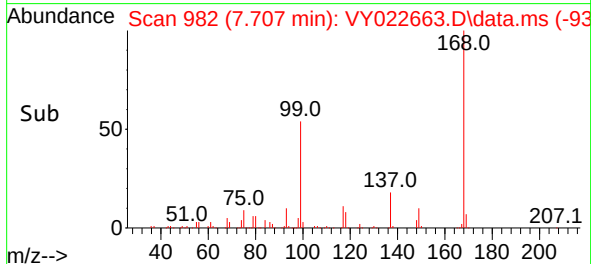
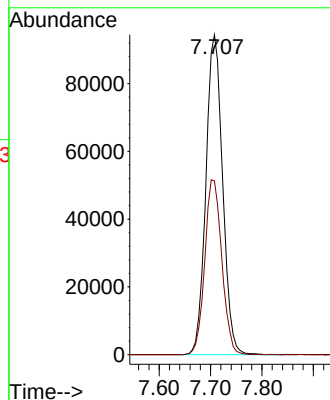
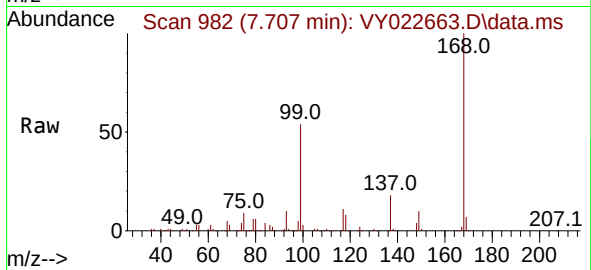




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022663.D
Acq: 11 Jun 2025 14:45

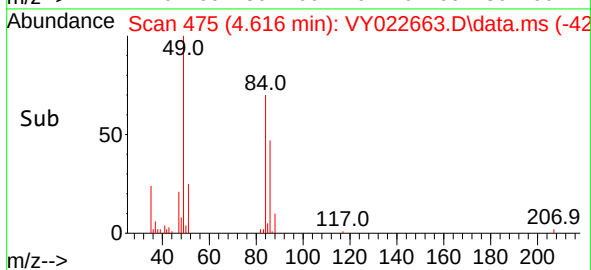
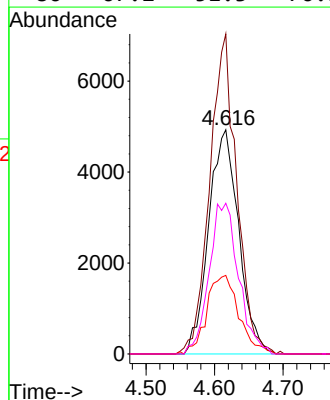
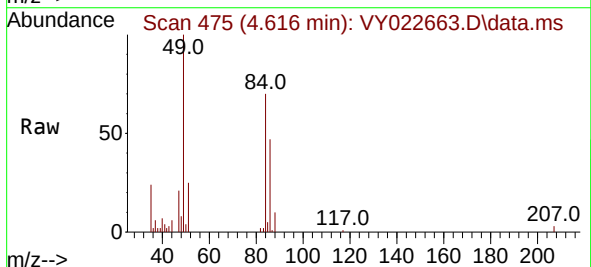
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

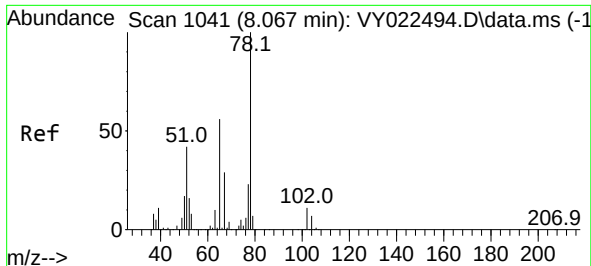
Tgt Ion:168 Resp: 213011
Ion Ratio Lower Upper
168 100
99 54.4 44.3 66.5



#20
Methylene Chloride
Concen: 5.476 ug/l
RT: 4.616 min Scan# 475
Delta R.T. -0.006 min
Lab File: VY022663.D
Acq: 11 Jun 2025 14:45

Tgt Ion: 84 Resp: 15050
Ion Ratio Lower Upper
84 100
49 141.6 101.9 152.9
51 35.1 29.8 44.8
86 67.2 51.3 76.9





#33

1,2-Dichloroethane-d4

Concen: 49.083 ug/l

RT: 8.061 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY022663.D

Acq: 11 Jun 2025 14:45

Instrument :

MSVOA_Y

ClientSampleId :

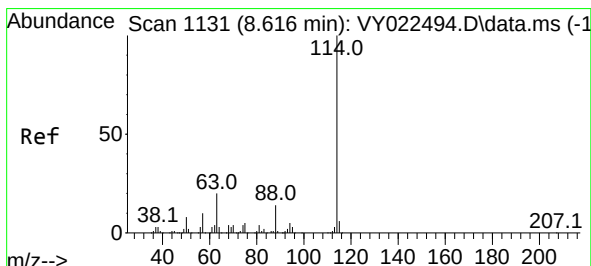
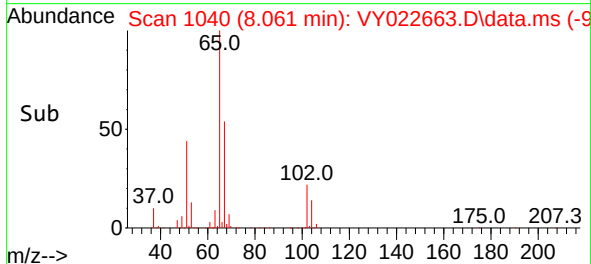
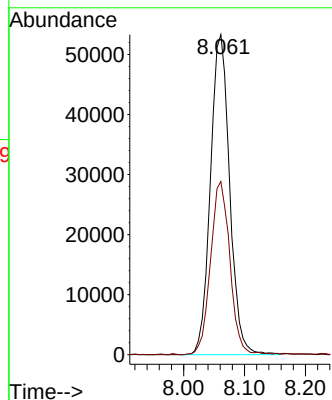
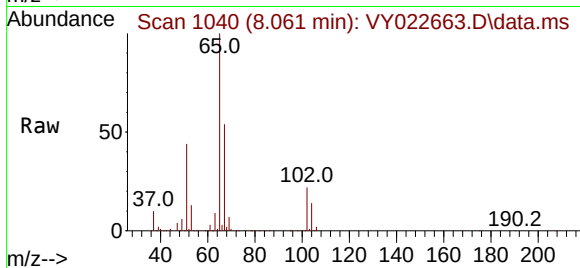
VIBLK

Tgt Ion: 65 Resp: 116936

Ion Ratio Lower Upper

65 100

67 54.4 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.610 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VY022663.D

Acq: 11 Jun 2025 14:45

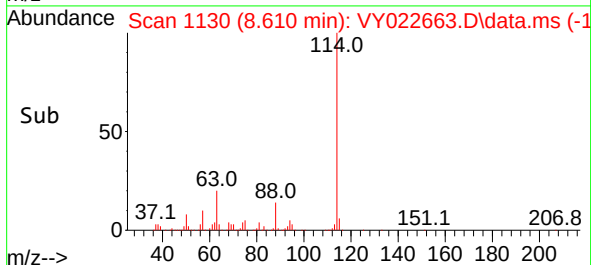
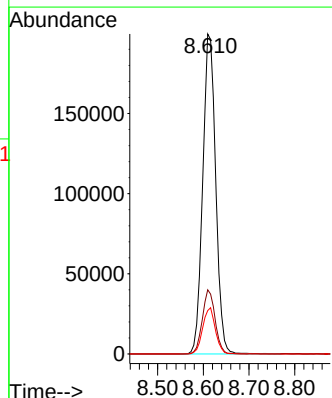
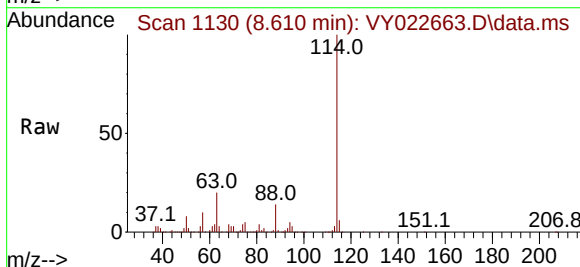
Tgt Ion: 114 Resp: 392635

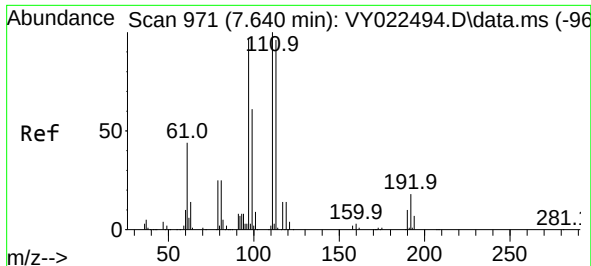
Ion Ratio Lower Upper

114 100

63 20.0 0.0 40.8

88 13.5 0.0 27.8

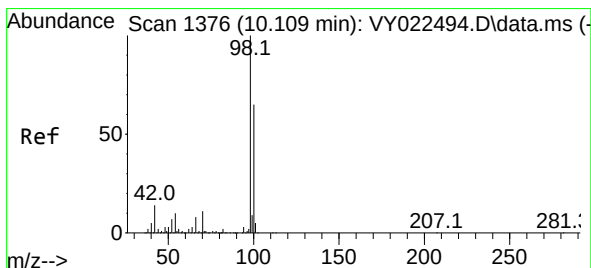
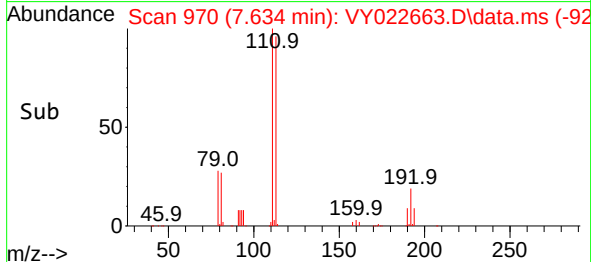
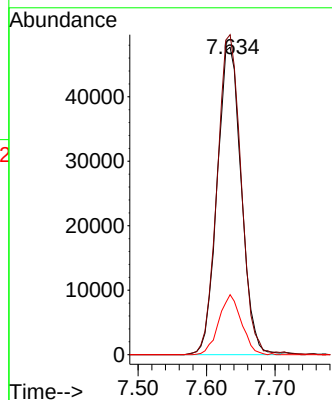
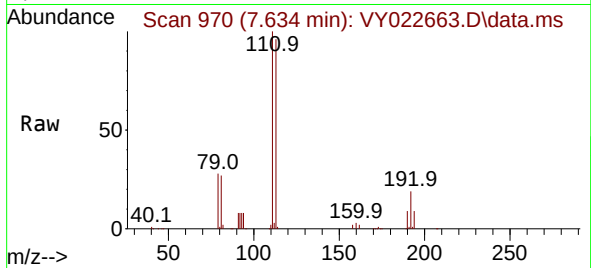




#35
Dibromofluoromethane
Concen: 49.781 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022663.D
Acq: 11 Jun 2025 14:45

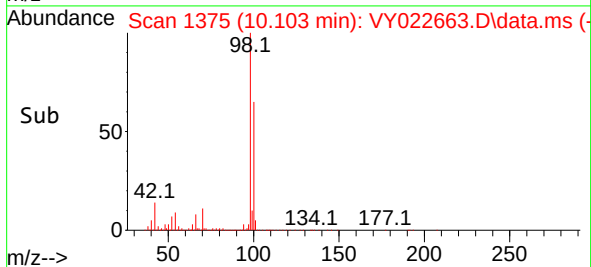
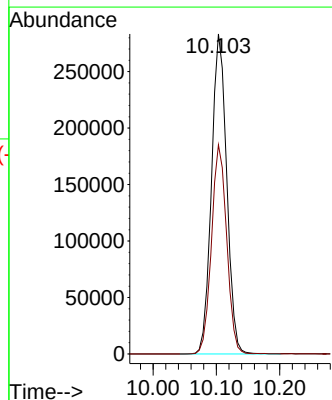
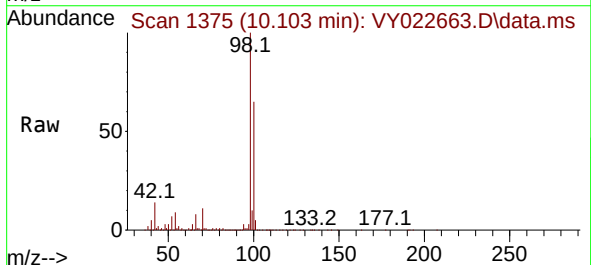
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

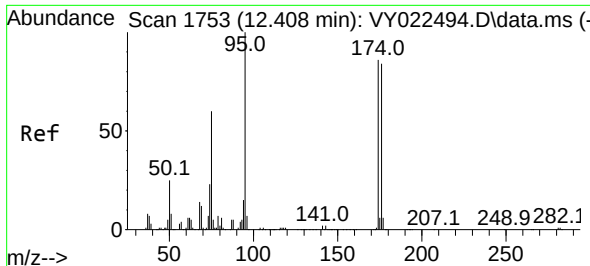
Tgt Ion:113 Resp: 116665
Ion Ratio Lower Upper
113 100
111 103.4 81.1 121.7
192 18.3 14.2 21.2



#50
Toluene-d8
Concen: 50.087 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022663.D
Acq: 11 Jun 2025 14:45

Tgt Ion: 98 Resp: 474296
Ion Ratio Lower Upper
98 100
100 65.1 51.4 77.0

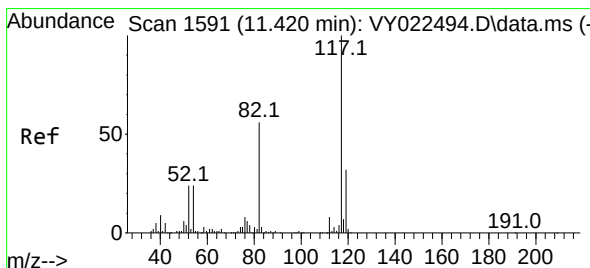
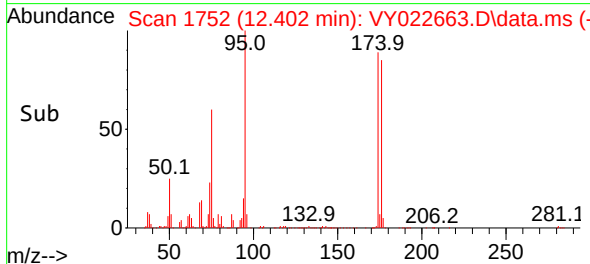
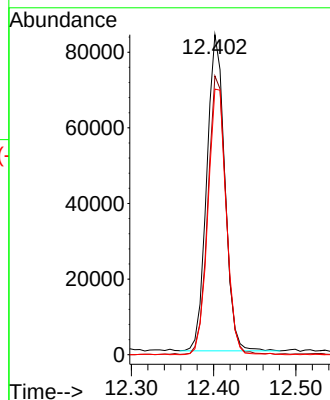
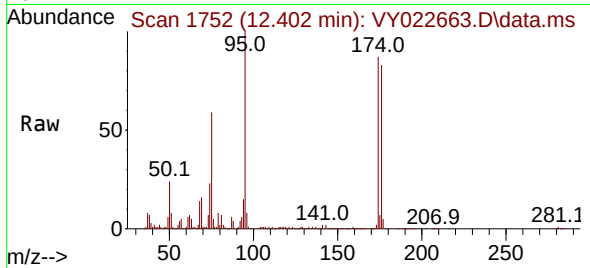




#62
4-Bromofluorobenzene
Concen: 45.271 ug/l
RT: 12.402 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022663.D
Acq: 11 Jun 2025 14:45

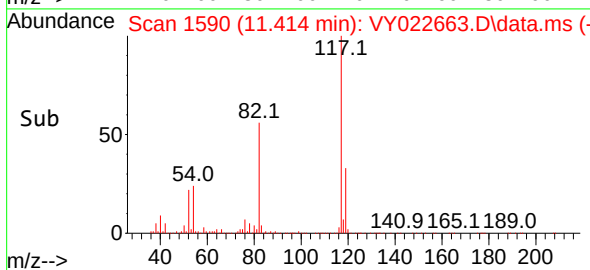
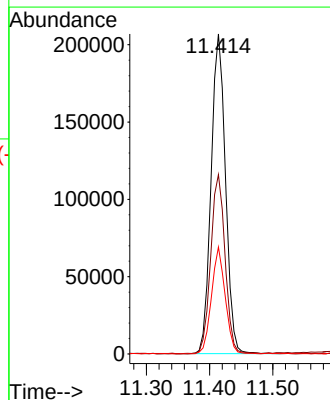
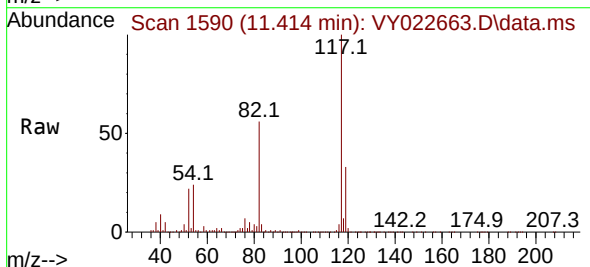
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

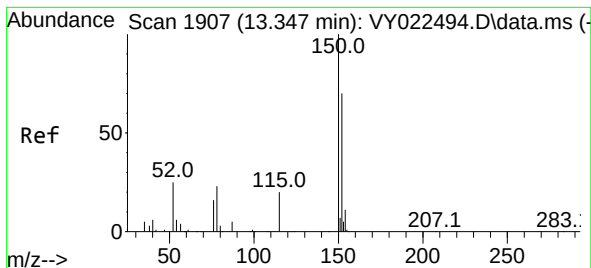
Tgt Ion: 95 Resp: 127728
Ion Ratio Lower Upper
95 100
174 87.9 0.0 170.0
176 85.1 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022663.D
Acq: 11 Jun 2025 14:45

Tgt Ion: 117 Resp: 326970
Ion Ratio Lower Upper
117 100
82 56.0 44.6 66.8
119 33.4 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: VY022663.D

Acq: 11 Jun 2025 14:45

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

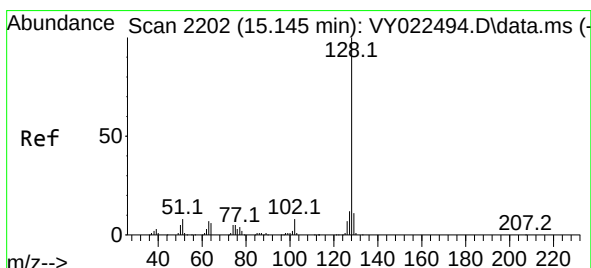
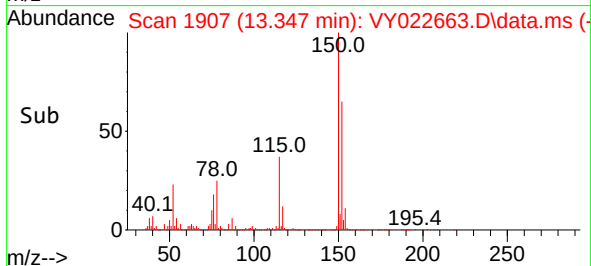
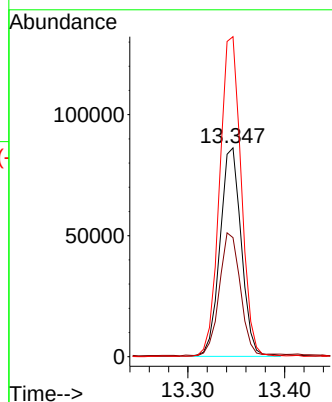
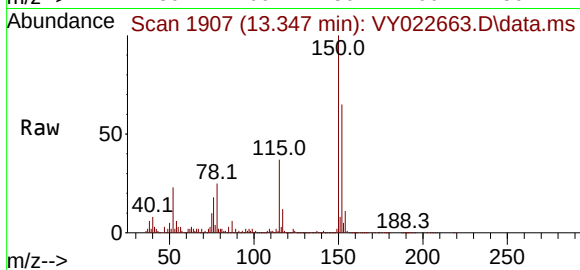
Tgt Ion:152 Resp: 131452

Ion Ratio Lower Upper

152 100

115 58.6 28.9 86.7

150 155.3 0.0 349.6



#95

Naphthalene

Concen: 23.671 ug/l

RT: 15.139 min Scan# 2201

Delta R.T. -0.006 min

Lab File: VY022663.D

Acq: 11 Jun 2025 14:45

Tgt Ion:128 Resp: 97056

Ion Ratio Lower Upper

128 100

127 13.8 10.4 15.6

129 11.5 8.9 13.3

