

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061423\
 Data File : VY014159.D
 Acq On : 14 Jun 2023 17:26
 Operator : KP/MD
 Sample : 03154-01RE
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CHRT-24051RE

Quant Time: Jun 15 01:44:04 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060923S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 09 18:07:13 2023
 Response via : Initial Calibration

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

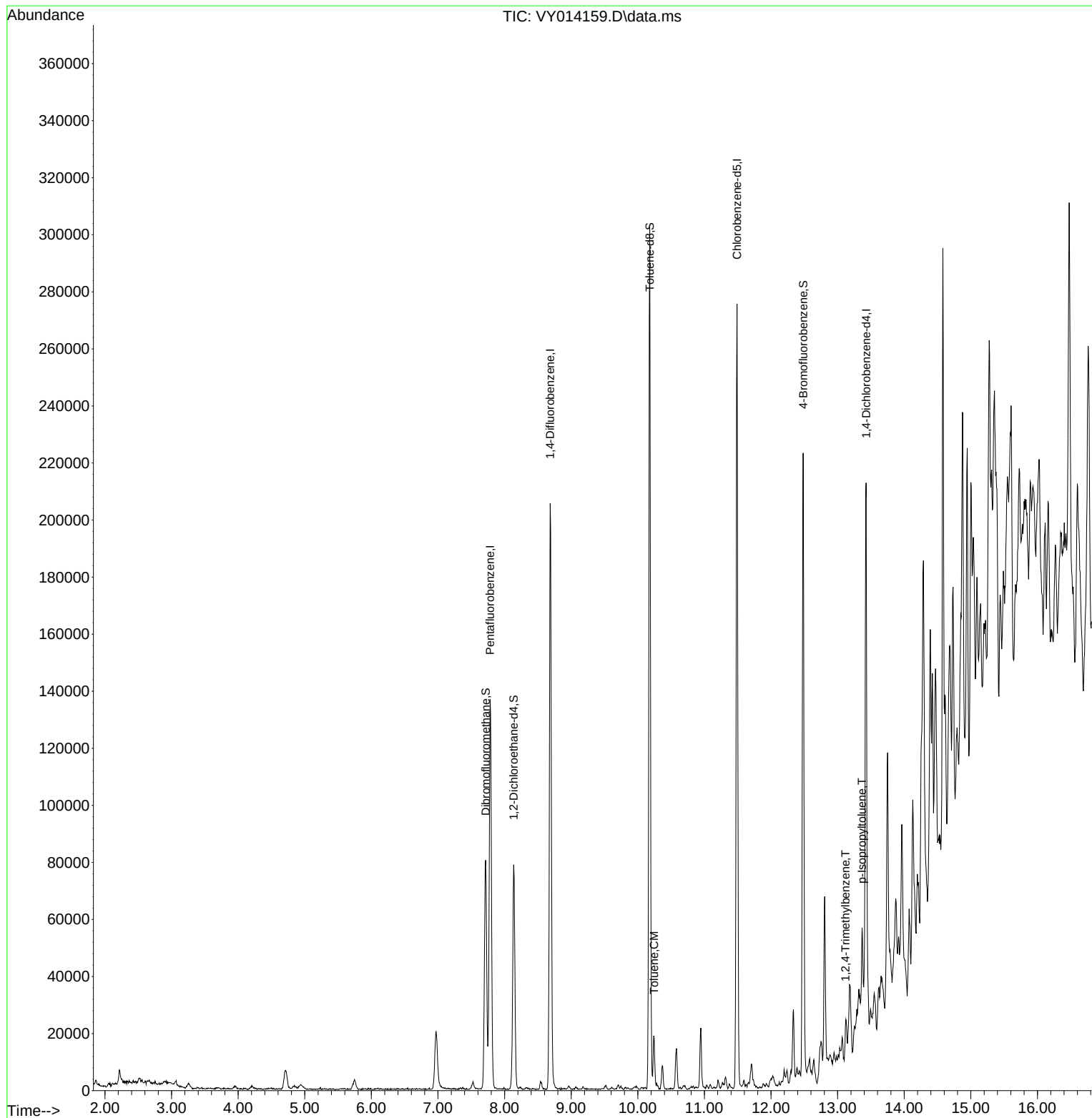
Internal Standards						
1) Pentafluorobenzene	7.783	168	107187	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	170562	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	145039	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	51691	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	65194	43.678	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	87.360%
35) Dibromofluoromethane	7.716	113	55103	45.555	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	91.120%
50) Toluene-d8	10.179	98	190743	42.180	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	84.360%
62) 4-Bromofluorobenzene	12.483	95	53349	33.210	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	66.420%
Target Compounds						
					Qvalue	
52) Toluene	10.246	92	6684	1.923	ug/l	95
84) 1,2,4-Trimethylbenzene	13.117	105	4650	1.391	ug/l	99
86) p-Isopropyltoluene	13.367	119	18546	5.195	ug/l	92

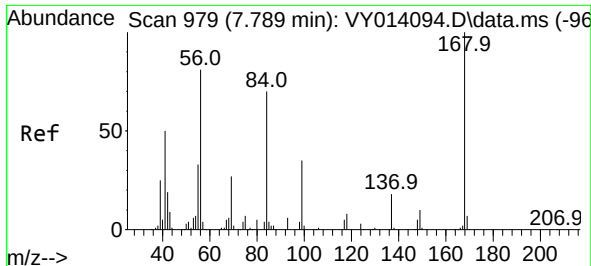
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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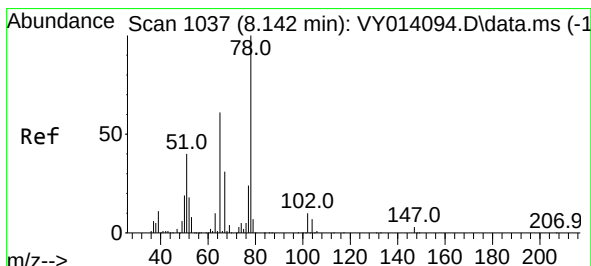
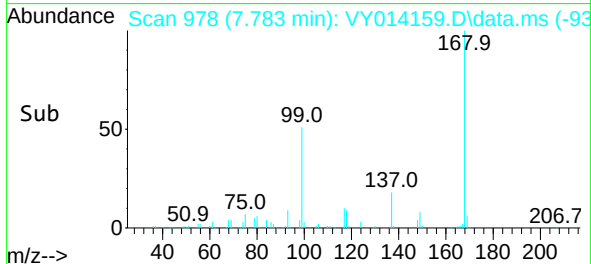
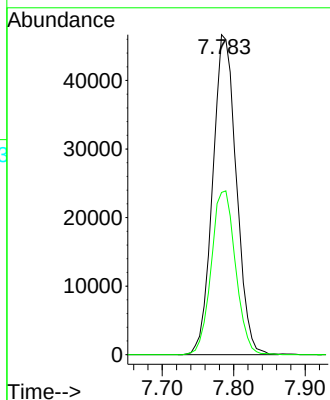
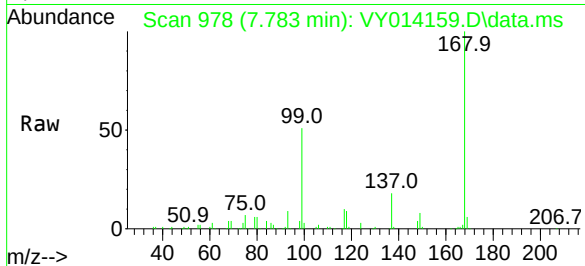




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY014159.D
Acq: 14 Jun 2023 17:26

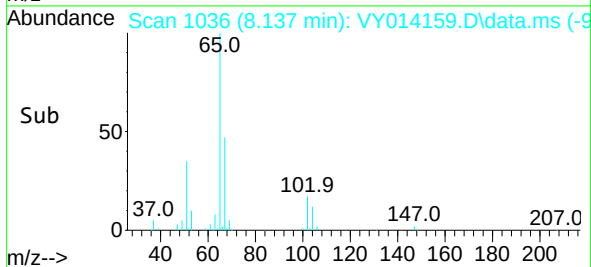
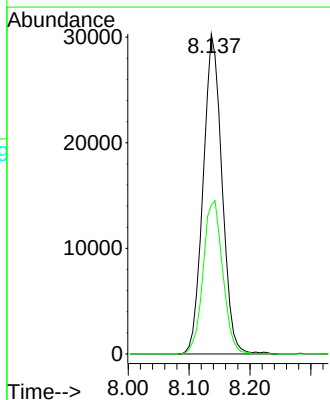
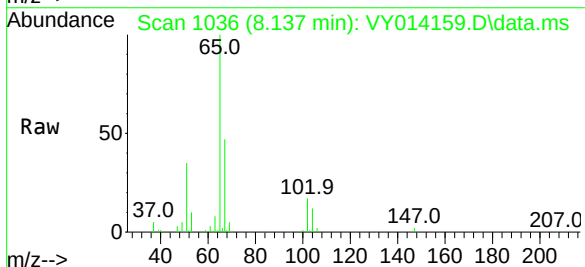
Instrument :
MSVOA_Y
ClientSampleId :
CHRT-24051RE

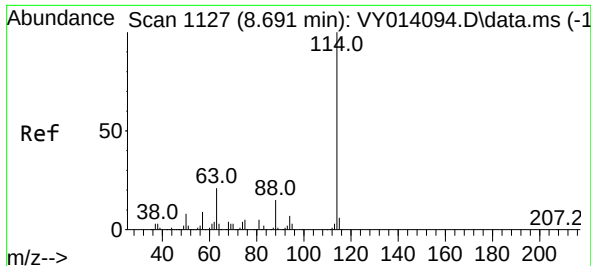
Tgt Ion:168 Resp: 107187
Ion Ratio Lower Upper
168 100
99 50.7 43.4 65.0



#33
1,2-Dichloroethane-d4
Concen: 43.678 ug/l
RT: 8.137 min Scan# 1036
Delta R.T. -0.005 min
Lab File: VY014159.D
Acq: 14 Jun 2023 17:26

Tgt Ion: 65 Resp: 65194
Ion Ratio Lower Upper
65 100
67 49.8 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY014159.D

Acq: 14 Jun 2023 17:26

Instrument :

MSVOA_Y

ClientSampleId :

CHRT-24051RE

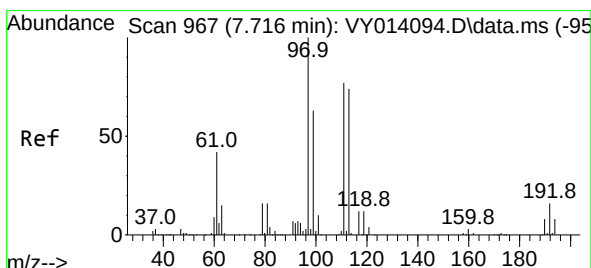
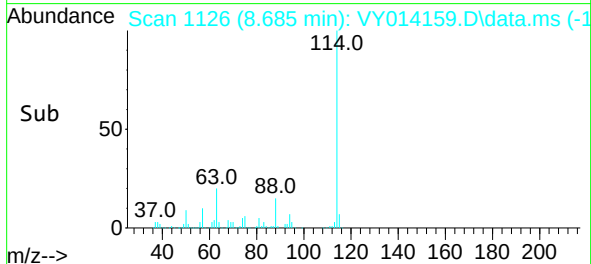
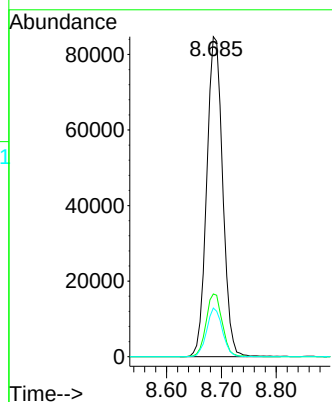
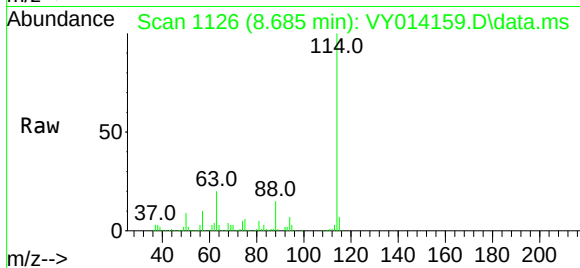
Tgt Ion:114 Resp: 170562

Ion Ratio Lower Upper

114 100

63 19.6 0.0 42.4

88 15.2 0.0 30.6



#35

Dibromofluoromethane

Concen: 45.555 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY014159.D

Acq: 14 Jun 2023 17:26

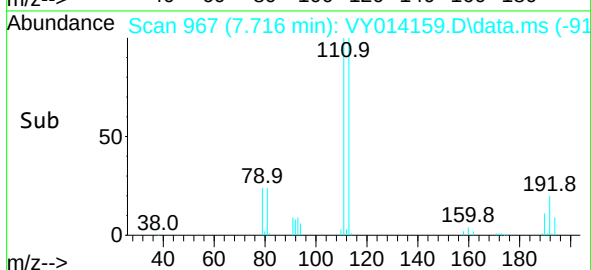
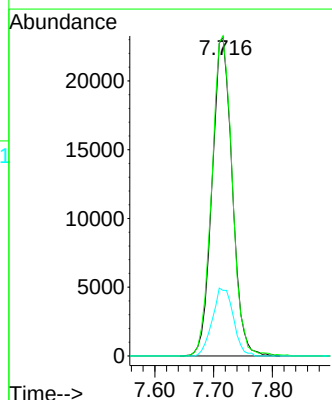
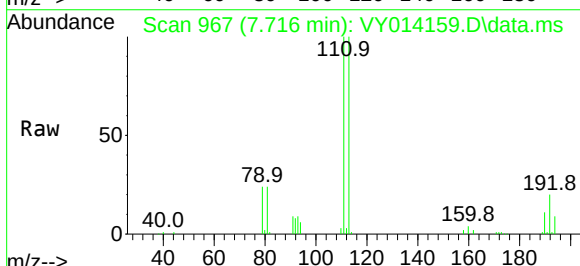
Tgt Ion:113 Resp: 55103

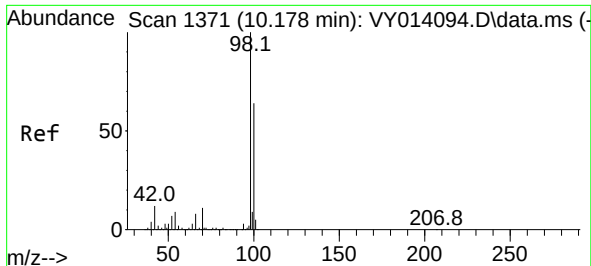
Ion Ratio Lower Upper

113 100

111 102.4 81.3 121.9

192 22.2 16.9 25.3





#50

Toluene-d8

Concen: 42.180 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. 0.001 min

Lab File: VY014159.D

Acq: 14 Jun 2023 17:26

Instrument :

MSVOA_Y

ClientSampleId :

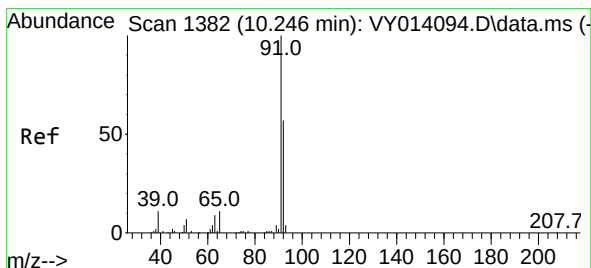
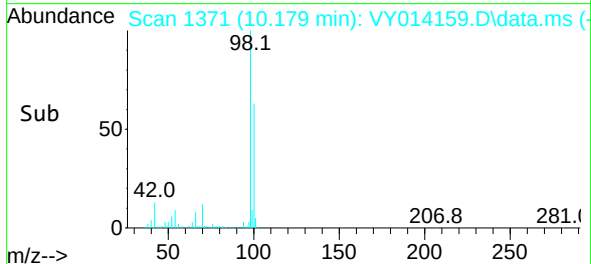
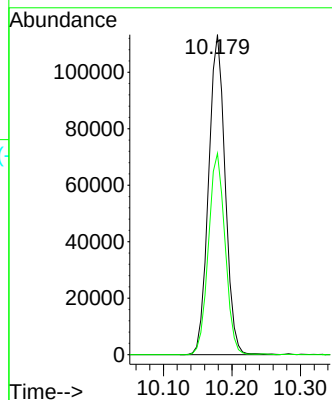
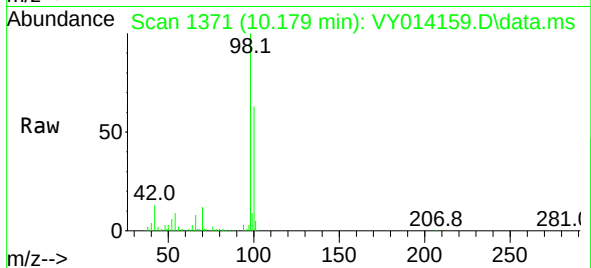
CHRT-24051RE

Tgt Ion: 98 Resp: 190743

Ion Ratio Lower Upper

98 100

100 63.1 50.1 75.1



#52

Toluene

Concen: 1.923 ug/l

RT: 10.246 min Scan# 1382

Delta R.T. -0.000 min

Lab File: VY014159.D

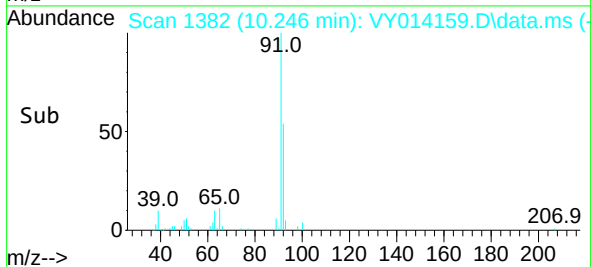
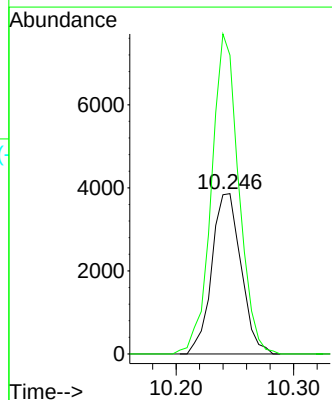
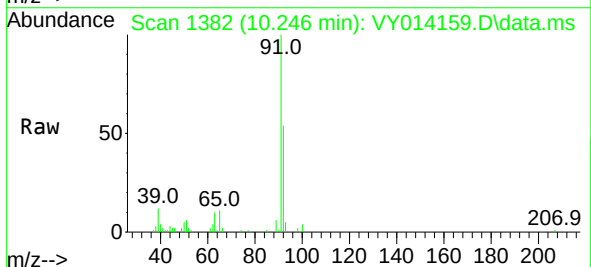
Acq: 14 Jun 2023 17:26

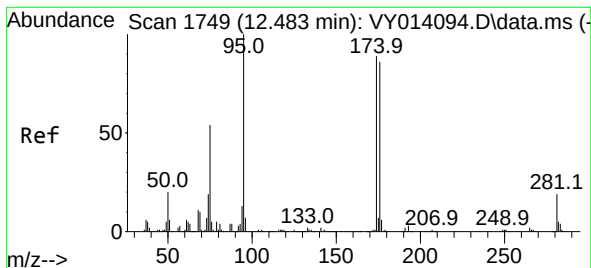
Tgt Ion: 92 Resp: 6684

Ion Ratio Lower Upper

92 100

91 186.3 143.8 215.6

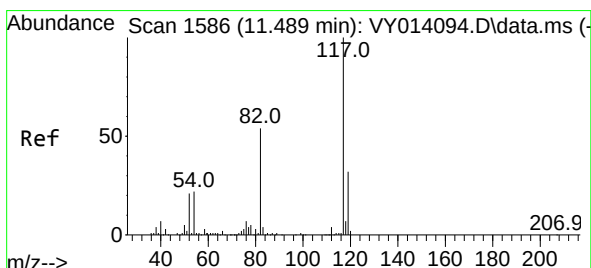
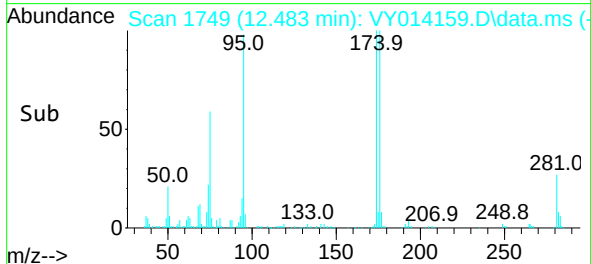
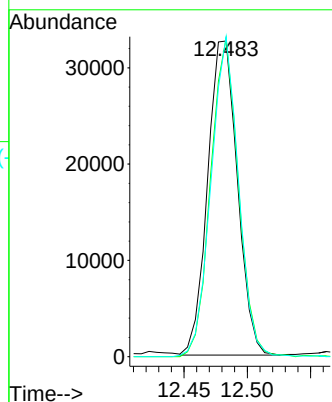
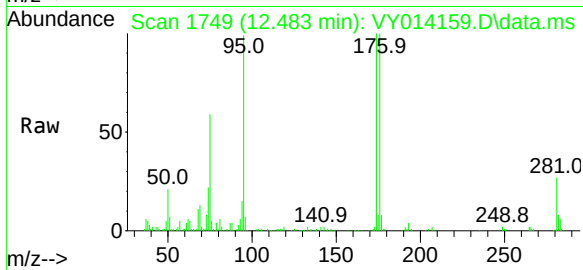




#62
4-Bromofluorobenzene
Concen: 33.210 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY014159.D
Acq: 14 Jun 2023 17:26

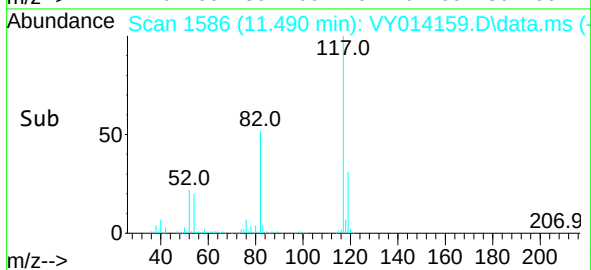
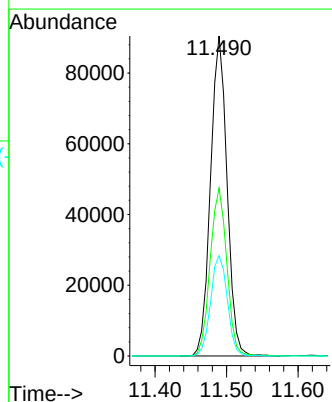
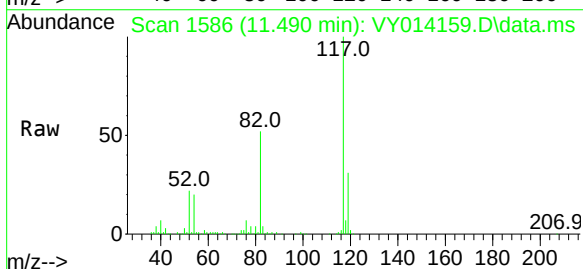
Instrument :
MSVOA_Y
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CHRT-24051RE

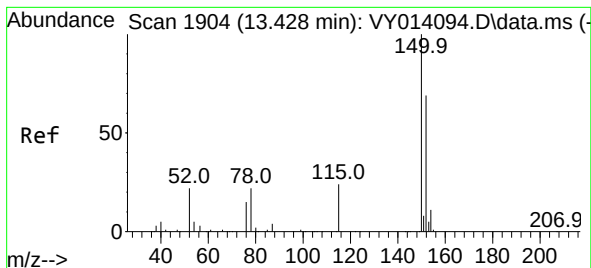
Tgt Ion: 95 Resp: 53349
Ion Ratio Lower Upper
95 100
174 94.5 0.0 178.2
176 94.1 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.001 min
Lab File: VY014159.D
Acq: 14 Jun 2023 17:26

Tgt Ion: 117 Resp: 145039
Ion Ratio Lower Upper
117 100
82 52.4 43.4 65.0
119 31.3 26.3 39.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VY014159.D

Acq: 14 Jun 2023 17:26

Instrument :

MSVOA_Y

ClientSampleId :

CHRT-24051RE

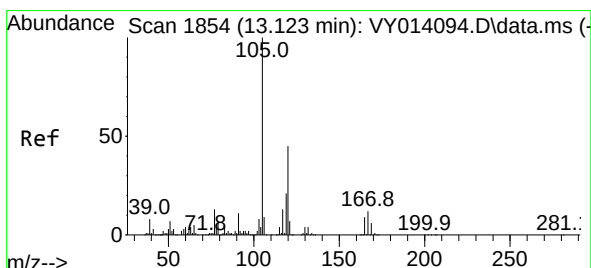
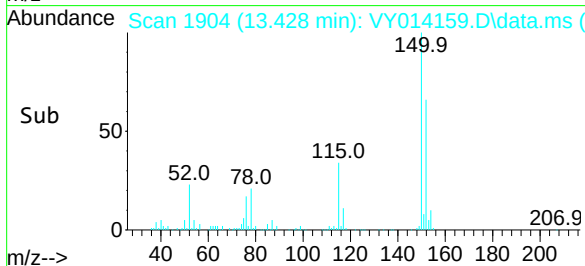
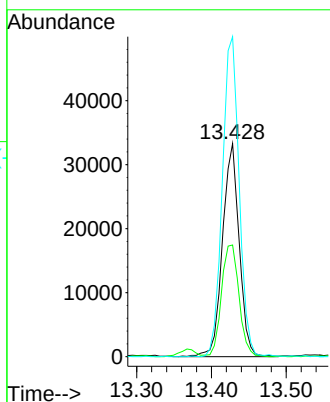
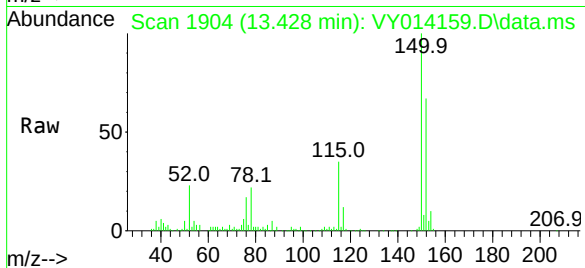
Tgt Ion:152 Resp: 51691

Ion Ratio Lower Upper

152 100

115 55.1 28.8 86.5

150 151.0 0.0 348.8



#84

1,2,4-Trimethylbenzene

Concen: 1.391 ug/l

RT: 13.117 min Scan# 1853

Delta R.T. -0.006 min

Lab File: VY014159.D

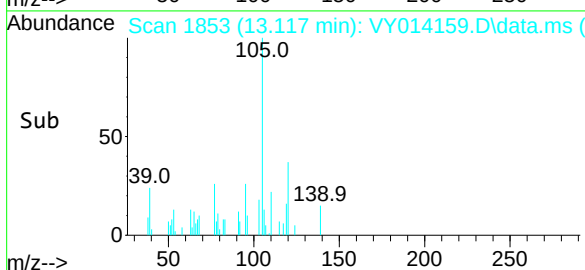
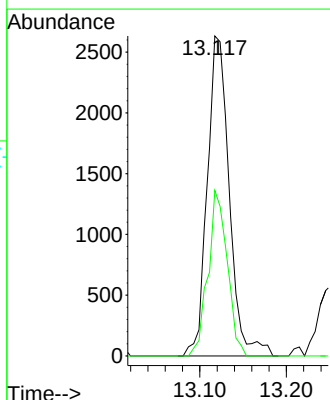
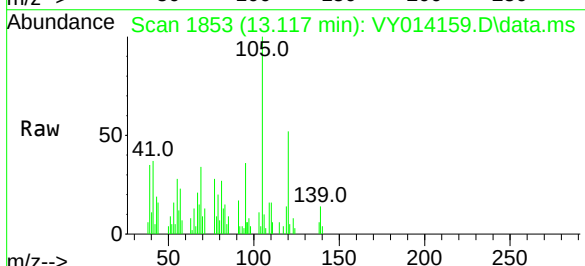
Acq: 14 Jun 2023 17:26

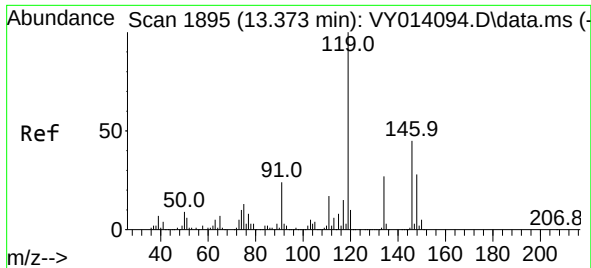
Tgt Ion:105 Resp: 4650

Ion Ratio Lower Upper

105 100

120 45.0 22.2 66.6





#86
 p-Isopropyltoluene
 Concen: 5.195 ug/l
 RT: 13.367 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: VY014159.D
 Acq: 14 Jun 2023 17:26

Instrument :
 MSVOA_Y
 ClientSampleId :
 CHRT-24051RE

Tgt Ion:119 Resp: 18546
 Ion Ratio Lower Upper
 119 100
 134 26.5 13.3 39.8
 91 33.4 12.4 37.4

