

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY071020\
 Data File : VY003168.D
 Acq On : 10 Jul 2020 17:07
 Operator : SY/MD
 Sample : L3255-03
 Misc : 5.86G/5ML/MSVOA Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CHRT-33

Quant Time: Jul 11 06:27:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y071020S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 10 13:18:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	378950	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	540555	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	437310	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	175196	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	168315	52.62	ug/l	0.00
Spiked Amount			Recovery	=	105.24%	
35) Dibromofluoromethane	7.72	113	163034	52.41	ug/l	0.00
Spiked Amount			Recovery	=	104.82%	
50) Toluene-d8	10.18	98	624262	53.98	ug/l	0.00
Spiked Amount			Recovery	=	107.96%	
62) 4-Bromofluorobenzene	12.48	95	172229	41.22	ug/l	0.00
Spiked Amount			Recovery	=	82.44%	

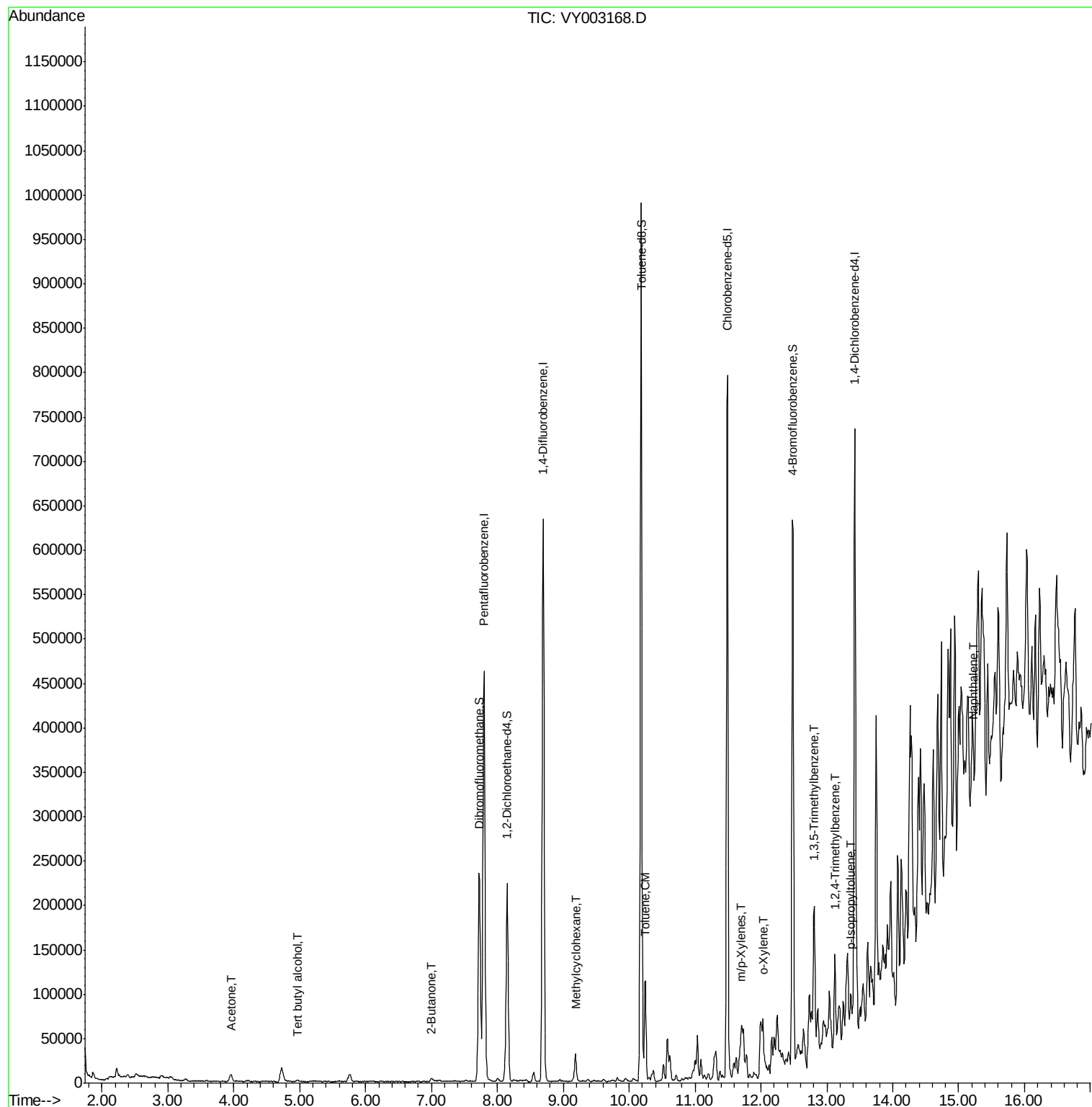
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.97	59	2776	8.026	ug/l	98
16) Acetone	3.95	43	14440	20.212	ug/l	91
25) 2-Butanone	7.00	43	4488	3.826	ug/l	98
39) Methylcyclohexane	9.19	83	12702	2.064	ug/l	94
52) Toluene	10.25	92	45378	5.263	ug/l	97
68) m/p-Xylenes	11.70	106	11466	2.009	ug/l	96
69) o-Xylene	12.03	106	10749	2.016	ug/l	98
80) 1,3,5-Trimethylbenzene	12.81	105	24304	2.612	ug/l	96
84) 1,2,4-Trimethylbenzene	13.12	105	51440	5.494	ug/l	97
86) p-Isopropyltoluene	13.37	119	12360	1.173	ug/l	96
95) Naphthalene	15.23	128	22527	4.057	ug/l #	88

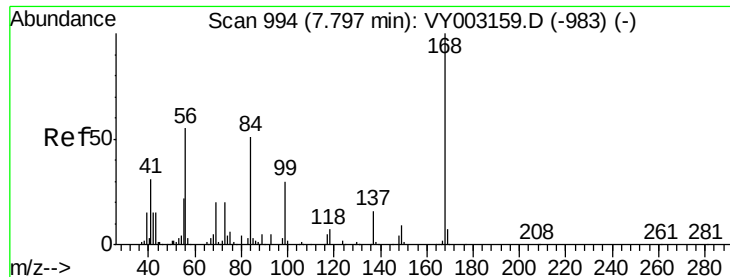
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.00 min

Lab File: VY003168.D

Acq: 10 Jul 2020 17:07

Instrument :

MSVOA_Y

ClientSampleId :

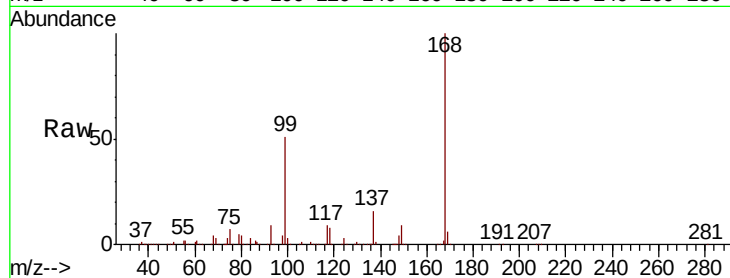
CHRT-33

Tot Ion:168 Resp: 378950

Ion Ratio Lower Upper

168 100

99 50.6 37.3 55.9



Abundance Ion 167.90 (167.60 to 168.60): VY003159.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY003159.D (-983) (-)

7.80

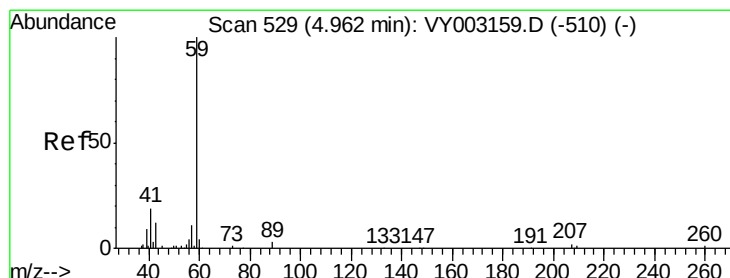
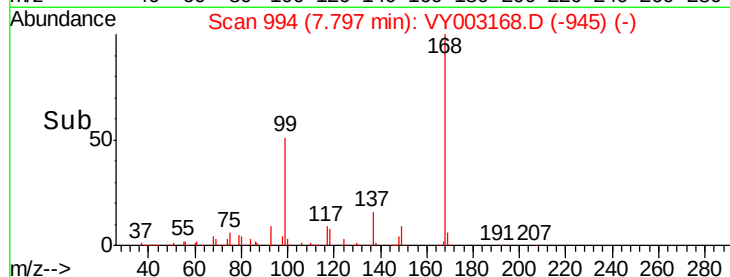
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 8.026 ug/l

RT: 4.97 min Scan# 530

Delta R.T. 0.01 min

Lab File: VY003168.D

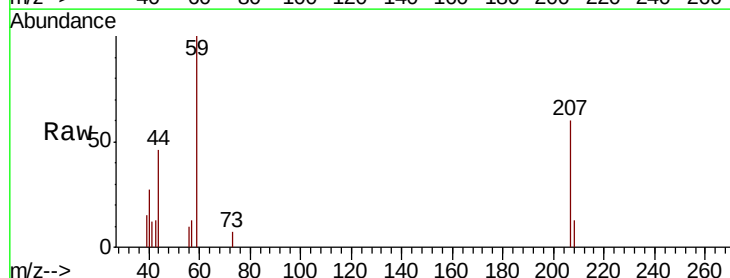
Acq: 10 Jul 2020 17:07

Tgt Ion: 59 Resp: 2776

Ion Ratio Lower Upper

59 100

57 11.3 8.4 12.6



Abundance Ion 59.00 (58.70 to 59.70): VY003159.D (-510) (-)

Ion 57.00 (56.70 to 57.70): VY003159.D (-510) (-)

4.97

1000

800

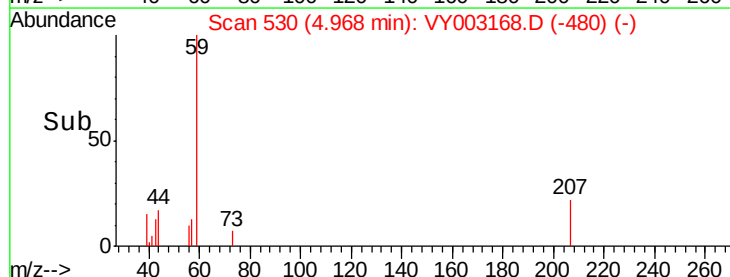
600

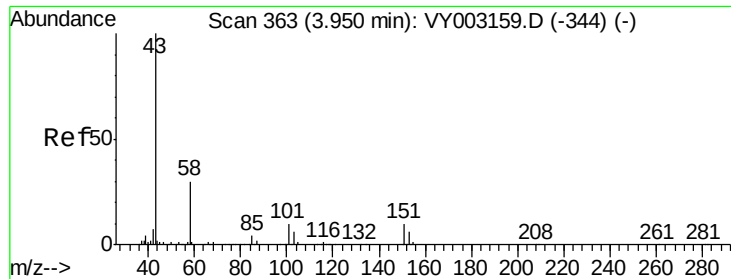
400

200

0

Time-->

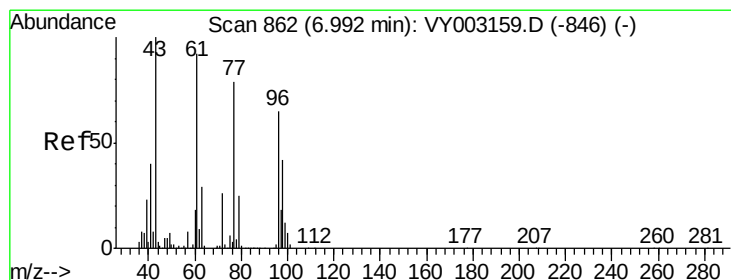
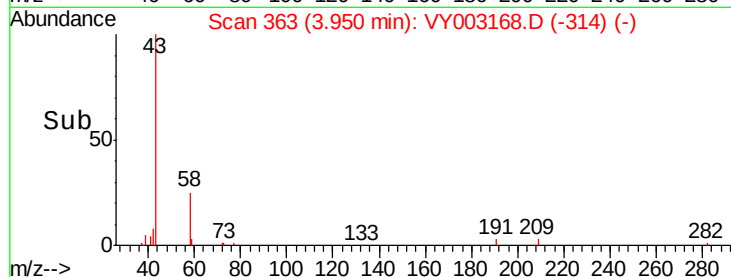
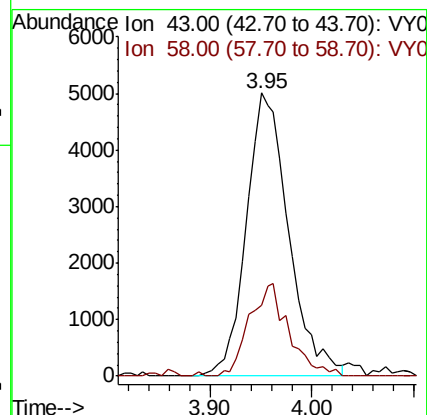
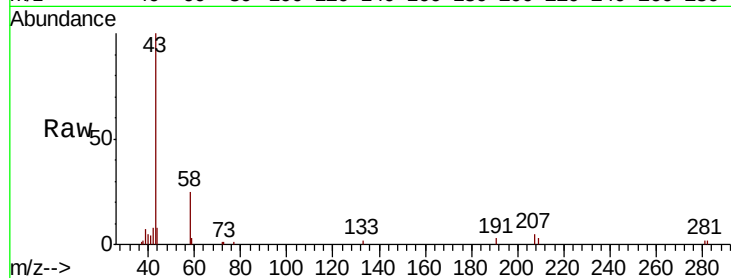




#16
Acetone
Concen: 20.212 ug/l
RT: 3.95 min Scan# 363
Delta R.T. -0.00 min
Lab File: VY003168.D
Acq: 10 Jul 2020 17:07

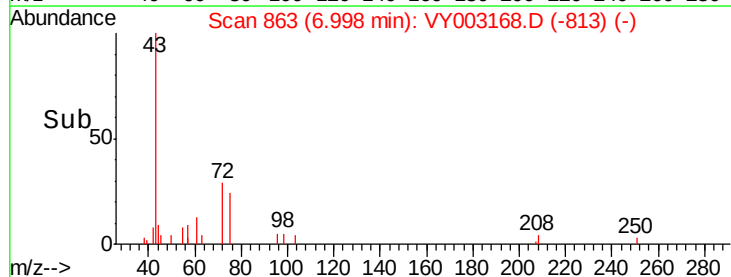
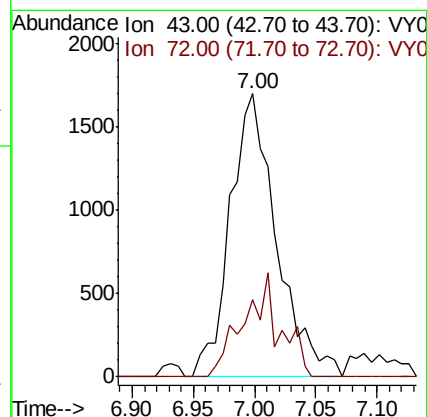
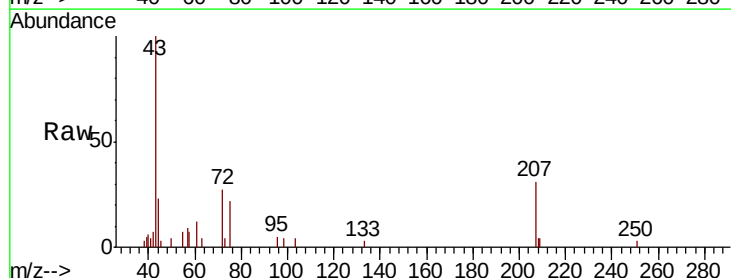
Instrument :
MSVOA_Y
ClientSampled :
CHRT-33

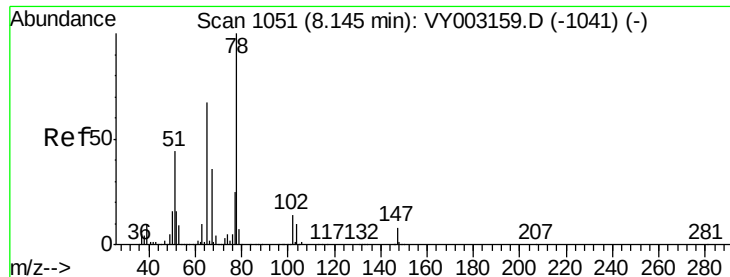
Tot Ion: 43 Resp: 14440
Ion Ratio Lower Upper
43 100
58 25.0 23.8 35.6



#25
2-Butanone
Concen: 3.826 ug/l
RT: 7.00 min Scan# 863
Delta R.T. 0.01 min
Lab File: VY003168.D
Acq: 10 Jul 2020 17:07

Tgt Ion: 43 Resp: 4488
Ion Ratio Lower Upper
43 100
72 27.2 20.9 31.3

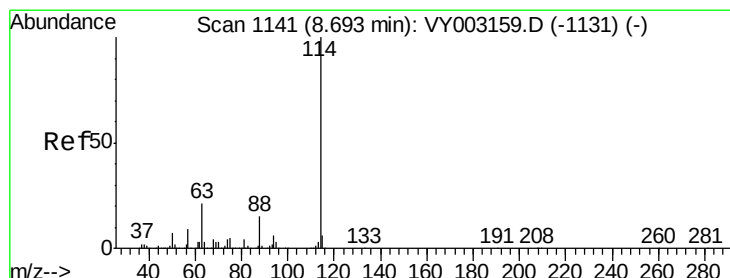
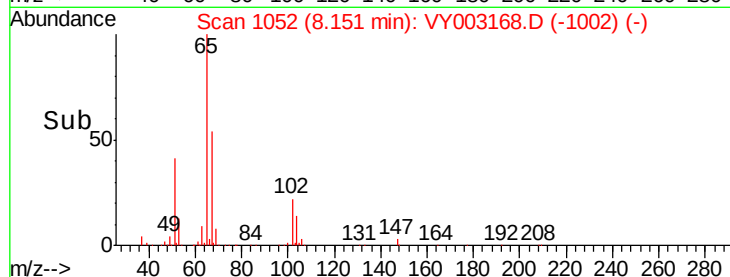
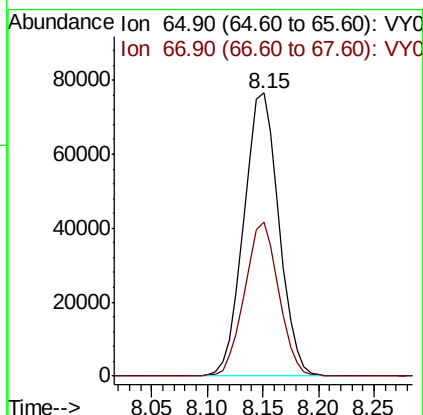
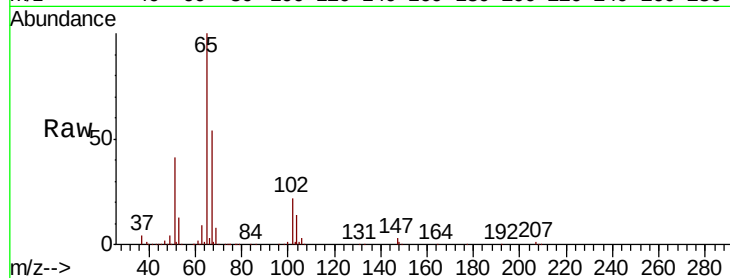




#33
 1,2-Dichloroethane-d4
 Concen: 52.624 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. 0.01 min
 Lab File: VY003168.D
 Acq: 10 Jul 2020 17:07

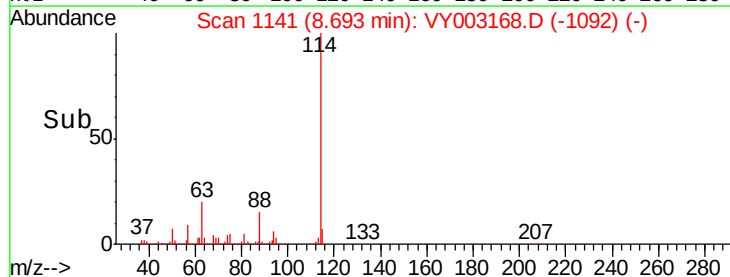
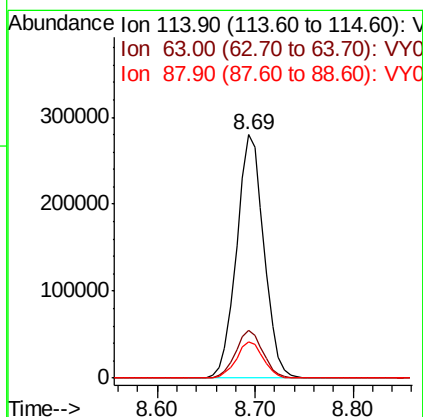
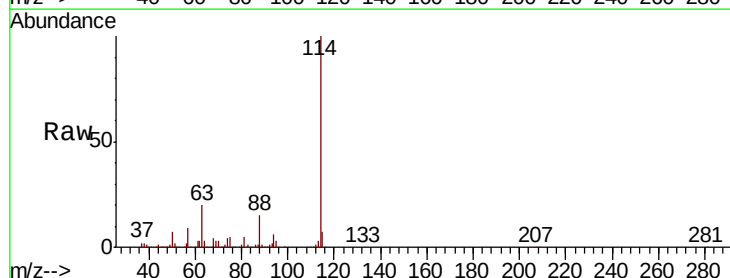
Instrument :
 MSVOA_Y
 ClientSampleId :
 CHRT-33

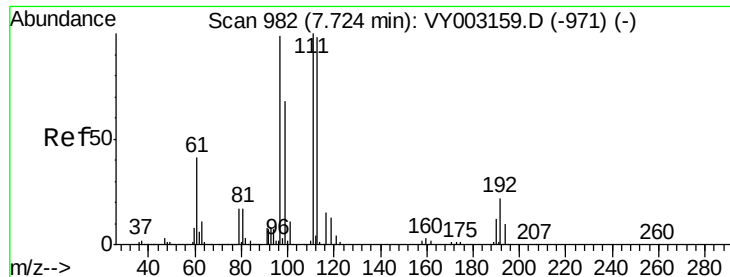
Tot Ion: 65 Resp: 168315
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.00 min
 Lab File: VY003168.D
 Acq: 10 Jul 2020 17:07

Tgt Ion: 114 Resp: 540555
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 41.2
 88 14.9 0.0 30.2





#35

Dibromofluoromethane

Concen: 52.410 ug/l

RT: 7.72 min Scan# 982

Delta R.T. -0.00 min

Lab File: VY003168.D

Acq: 10 Jul 2020 17:07

Instrument :

MSVOA_Y

ClientSampleId :

CHRT-33

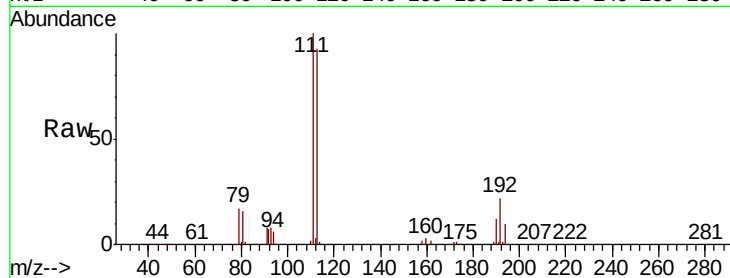
Tot Ion:113 Resp: 163034

Ion Ratio Lower Upper

113 100

111 103.2 82.1 123.1

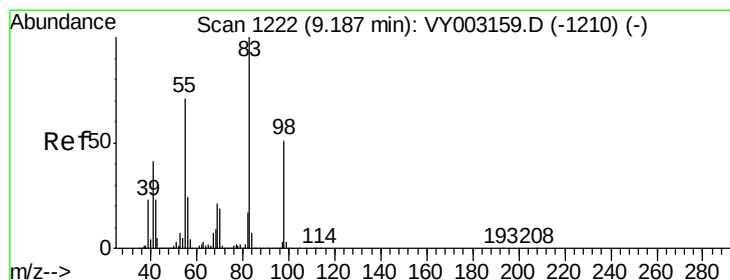
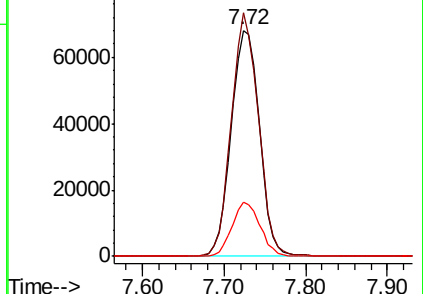
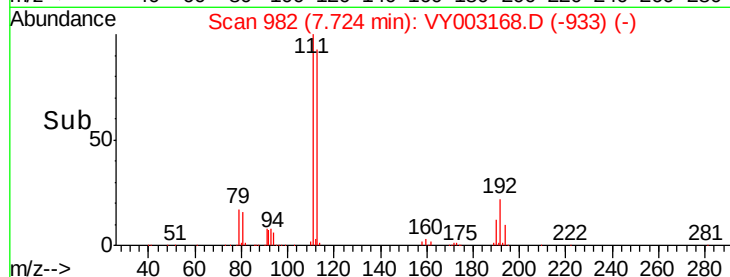
192 23.7 18.8 28.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#39

Methylcyclohexane

Concen: 2.064 ug/l

RT: 9.19 min Scan# 1222

Delta R.T. -0.00 min

Lab File: VY003168.D

Acq: 10 Jul 2020 17:07

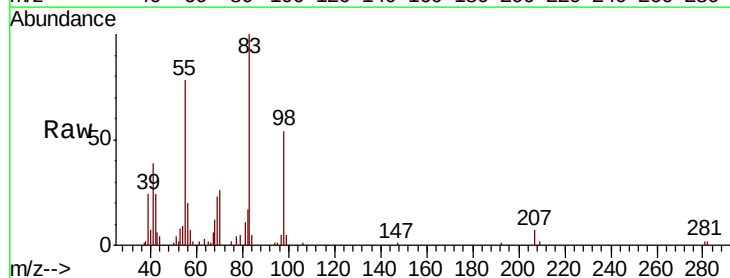
Tgt Ion: 83 Resp: 12702

Ion Ratio Lower Upper

83 100

55 78.1 57.2 85.8

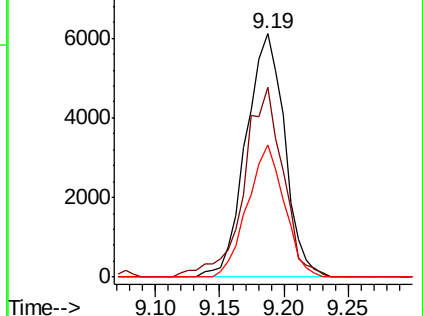
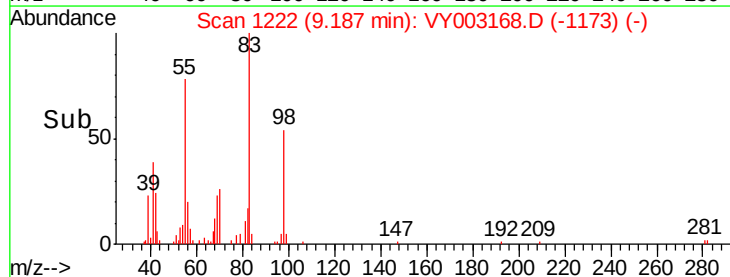
98 54.1 41.0 61.6

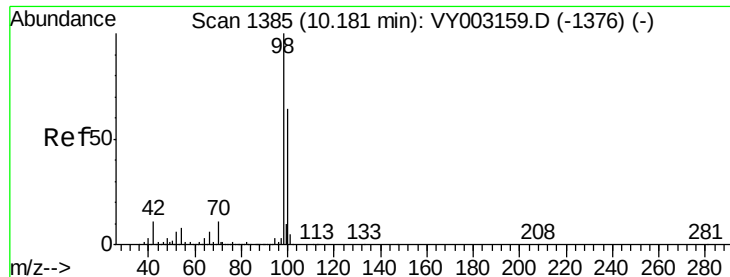


Abundance Ion 83.00 (82.70 to 83.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 98.00 (97.70 to 98.70): VY0

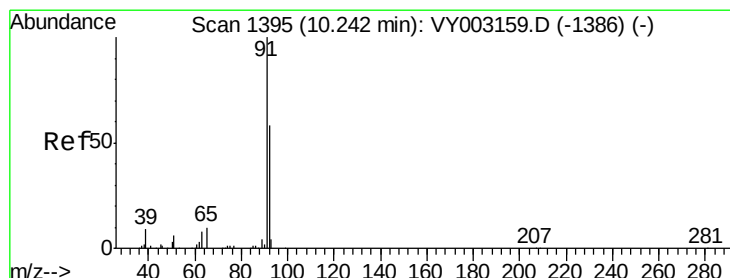
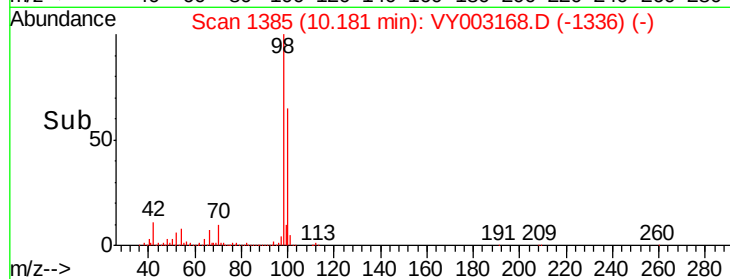
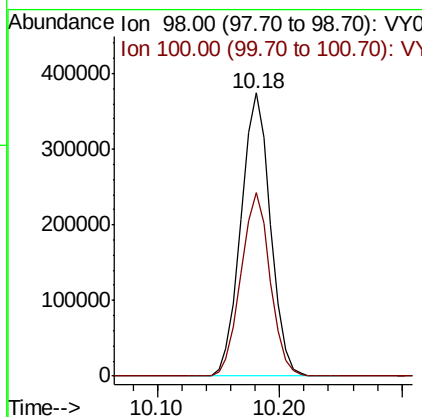
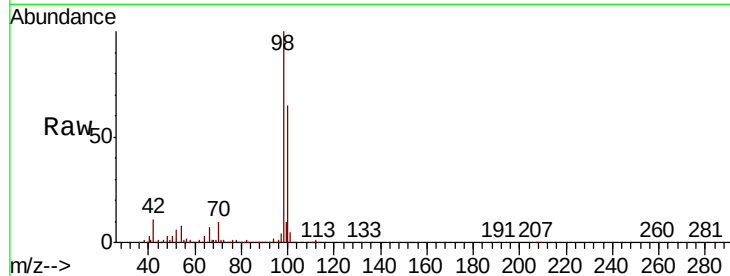




#50
Toluene-d8
Concen: 53.977 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VY003168.D
Acq: 10 Jul 2020 17:07

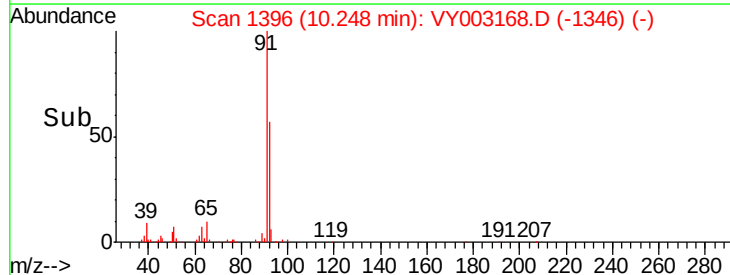
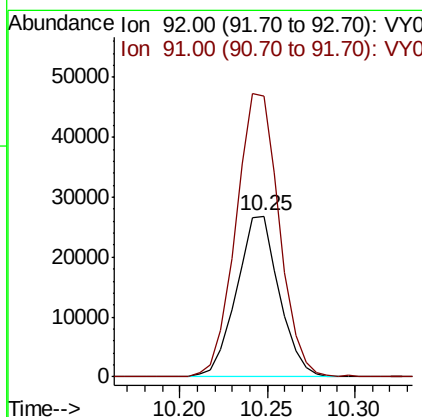
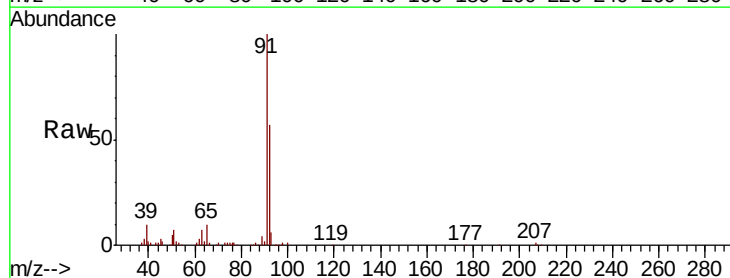
Instrument :
MSVOA_Y
ClientSampleId :
CHRT-33

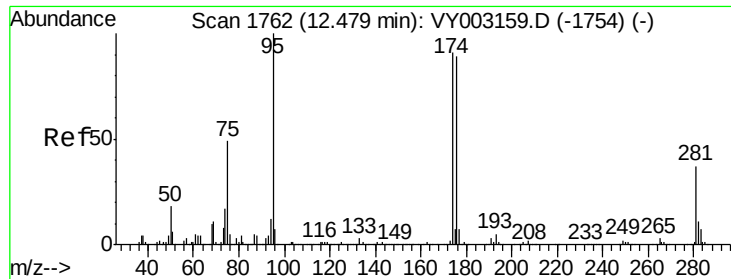
Tot Ion: 98 Resp: 624262
Ion Ratio Lower Upper
98 100
100 64.4 50.7 76.1



#52
Toluene
Concen: 5.263 ug/l
RT: 10.25 min Scan# 1396
Delta R.T. 0.01 min
Lab File: VY003168.D
Acq: 10 Jul 2020 17:07

Tgt Ion: 92 Resp: 45378
Ion Ratio Lower Upper
92 100
91 179.1 139.7 209.5

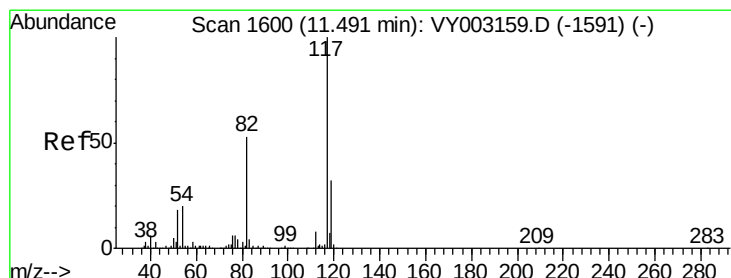
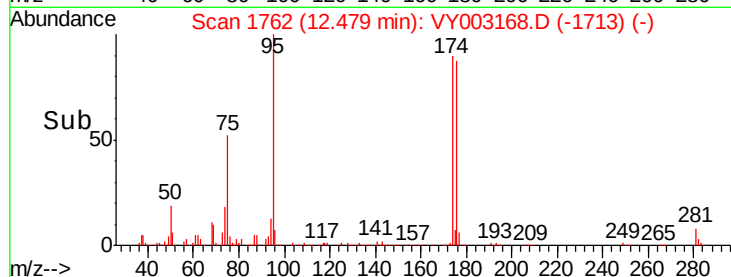
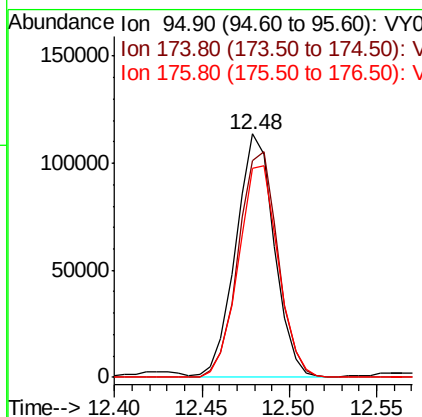
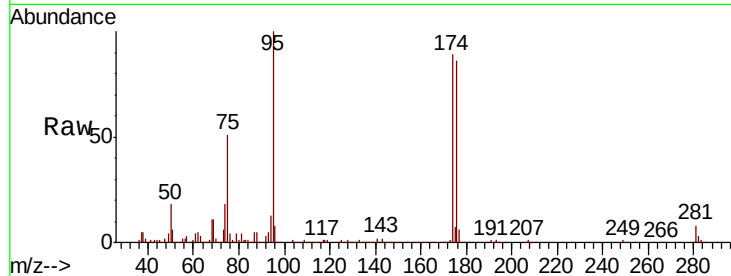




#62
4-Bromofluorobenzene
Concen: 41.222 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.00 min
Lab File: VY003168.D
Acq: 10 Jul 2020 17:07

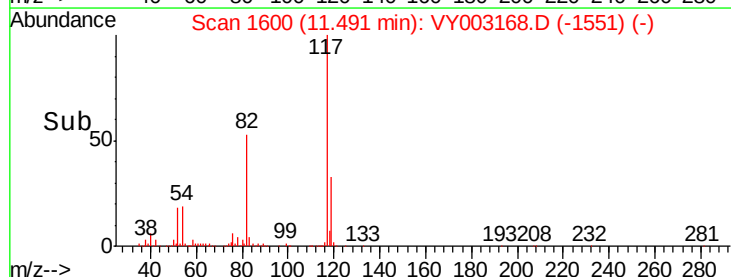
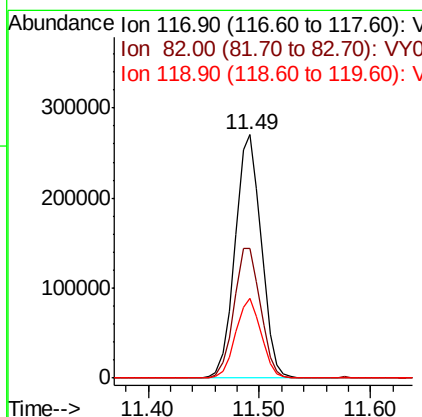
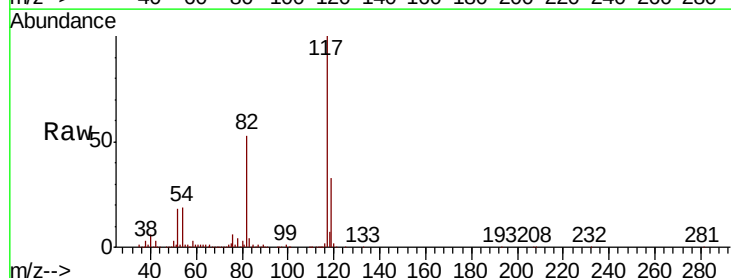
Instrument :
MSVOA_Y
ClientSampled :
CHRT-33

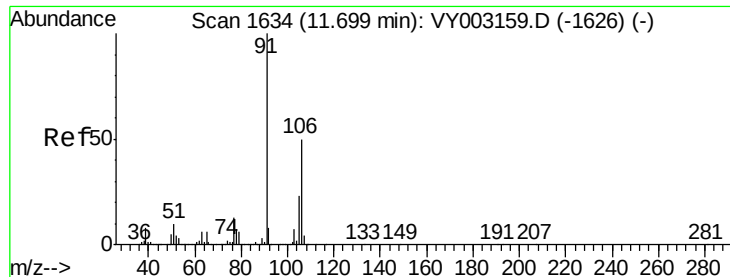
Tot Ion: 95 Resp: 172229
Ion Ratio Lower Upper
95 100
174 96.3 0.0 190.6
176 91.2 0.0 186.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY003168.D
Acq: 10 Jul 2020 17:07

Tgt Ion: 117 Resp: 437310
Ion Ratio Lower Upper
117 100
82 52.8 42.0 63.0
119 33.0 25.5 38.3

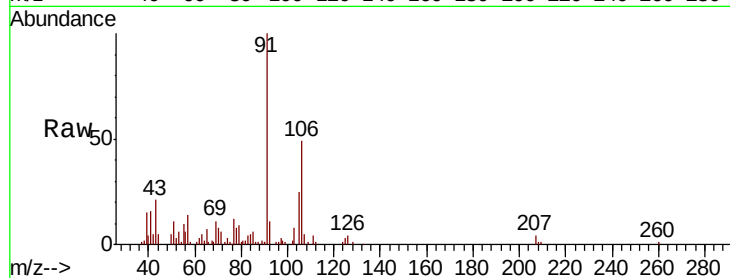




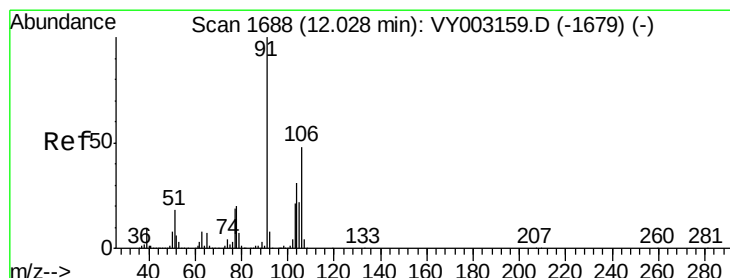
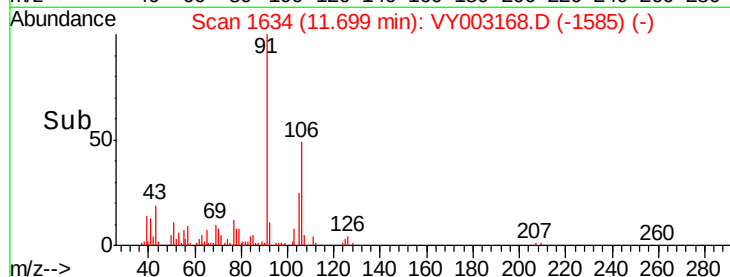
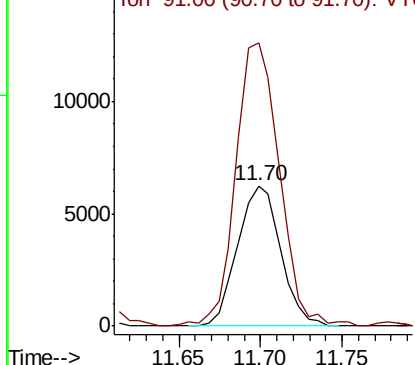
#68
m/p-Xylenes
Concen: 2.009 ug/l
RT: 11.70 min Scan# 1634
Delta R.T. -0.00 min
Lab File: VY003168.D
Acq: 10 Jul 2020 17:07

Instrument :
MSVOA_Y
ClientSampleId :
CHRT-33

Tot Ion:106 Resp: 11466
Ion Ratio Lower Upper
106 100
91 204.6 159.0 238.6

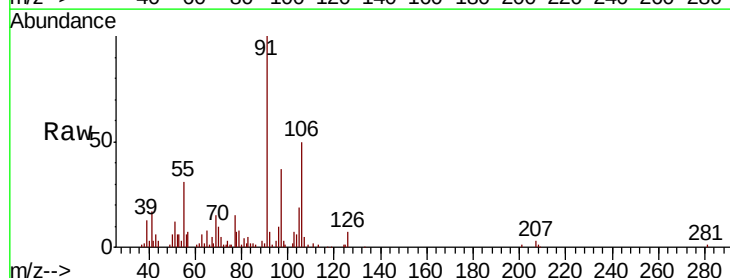


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VY0

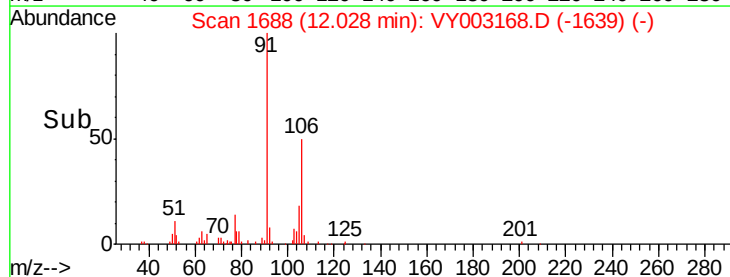
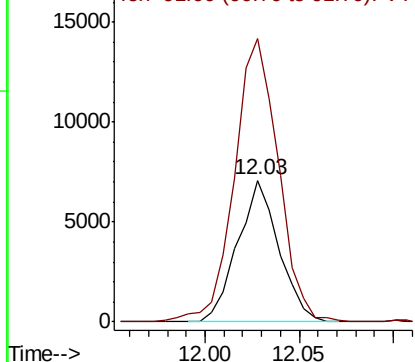


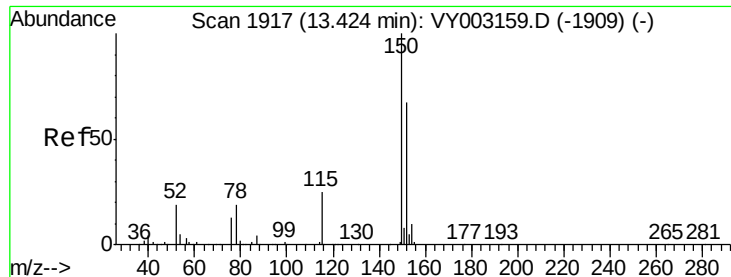
#69
o-Xylene
Concen: 2.016 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VY003168.D
Acq: 10 Jul 2020 17:07

Tgt Ion:106 Resp: 10749
Ion Ratio Lower Upper
106 100
91 212.6 105.1 315.1



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VY0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. -0.00 min

Lab File: VY003168.D

Acq: 10 Jul 2020 17:07

Instrument :

MSVOA_Y

ClientSampleId :

CHRT-33

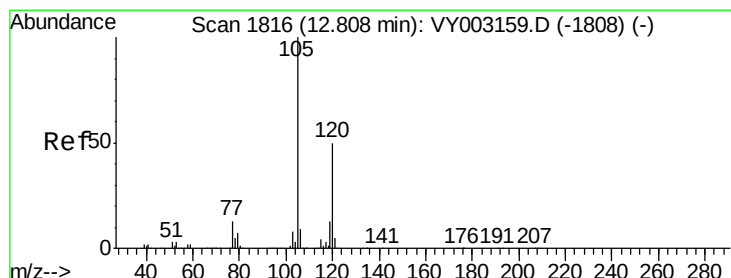
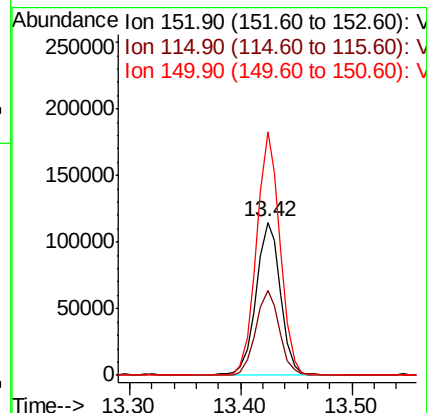
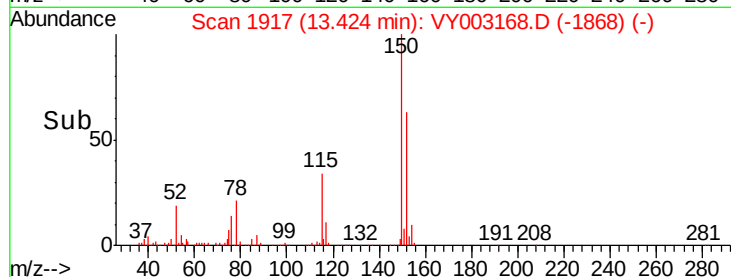
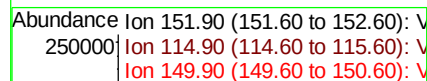
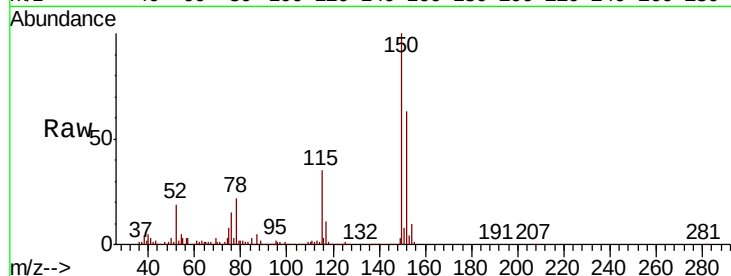
Tot Ion:152 Resp: 175196

Ion Ratio Lower Upper

152 100

115 54.4 26.9 80.7

150 152.6 0.0 338.0



#80

1,3,5-Trimethylbenzene

Concen: 2.612 ug/l

RT: 12.81 min Scan# 1817

Delta R.T. 0.01 min

Lab File: VY003168.D

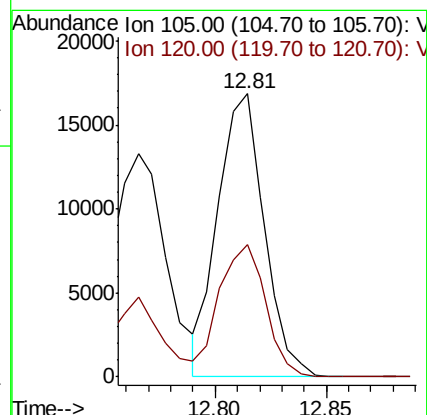
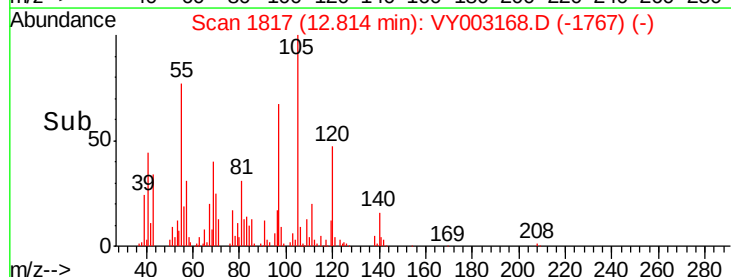
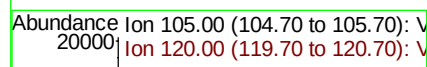
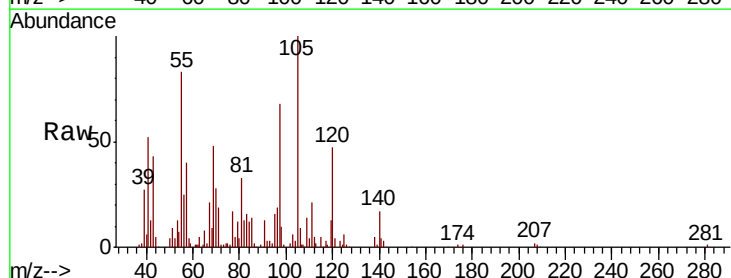
Acq: 10 Jul 2020 17:07

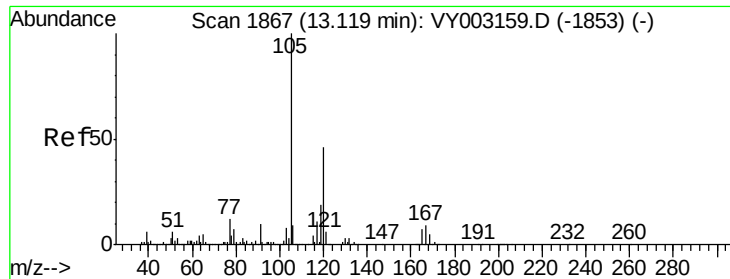
Tgt Ion:105 Resp: 24304

Ion Ratio Lower Upper

105 100

120 46.8 24.9 74.6

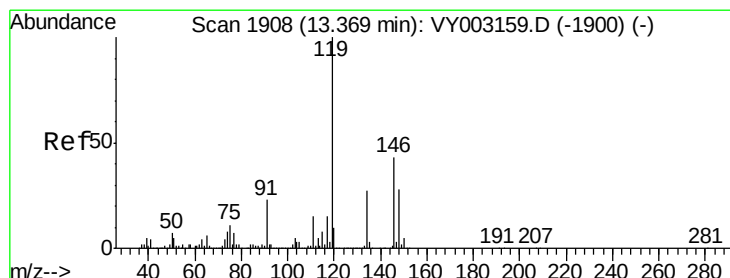
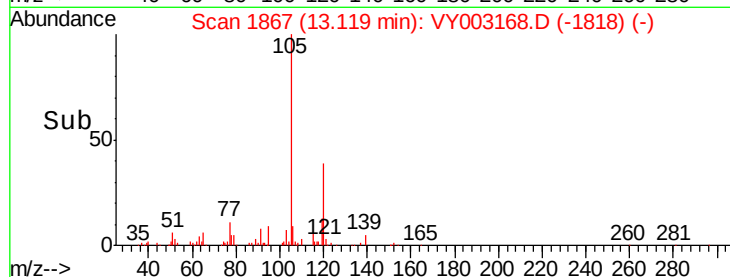
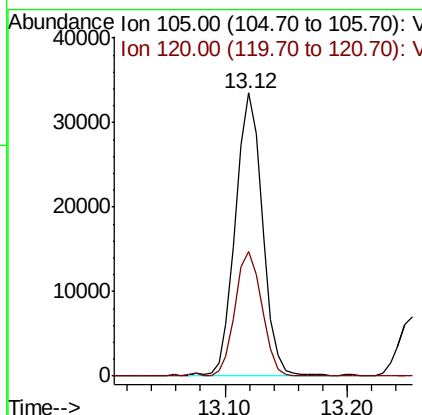
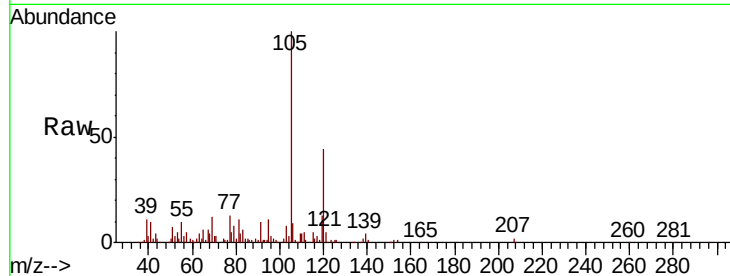




#84
 1,2,4-Trimethylbenzene
 Concen: 5.494 ug/l
 RT: 13.12 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VY003168.D
 Acq: 10 Jul 2020 17:07

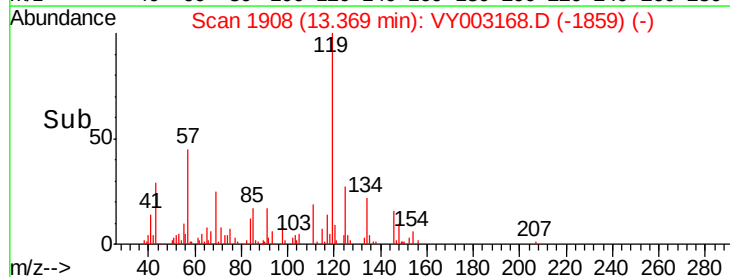
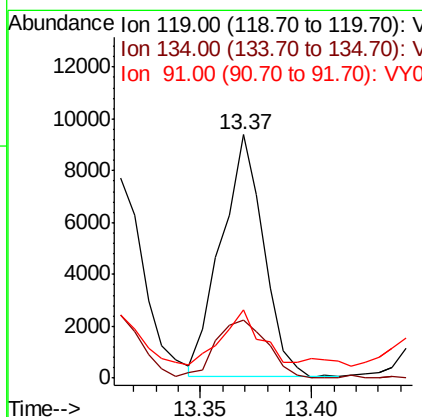
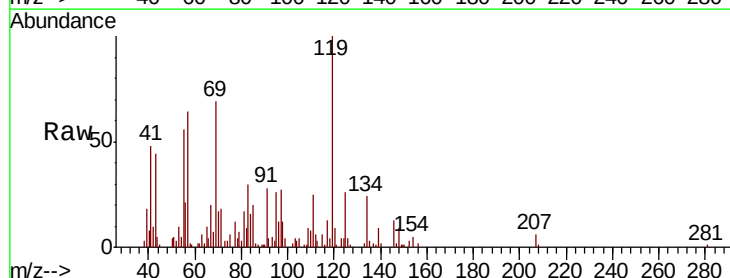
Instrument :
 MSVOA_Y
 ClientSampleId :
 CHRT-33

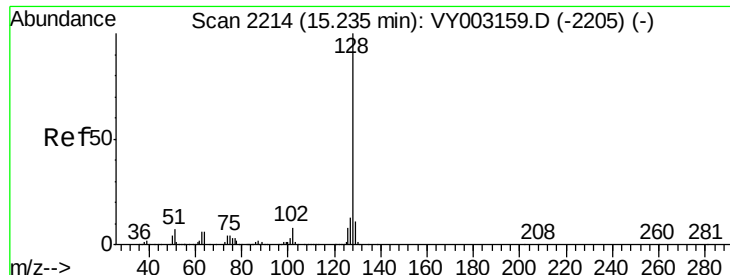
Tot Ion:105 Resp: 51440
 Ion Ratio Lower Upper
 105 100
 120 43.1 22.5 67.5



#86
 p-Isopropyltoluene
 Concen: 1.173 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. -0.00 min
 Lab File: VY003168.D
 Acq: 10 Jul 2020 17:07

Tgt Ion:119 Resp: 12360
 Ion Ratio Lower Upper
 119 100
 134 29.2 13.4 40.2
 91 20.3 11.2 33.6

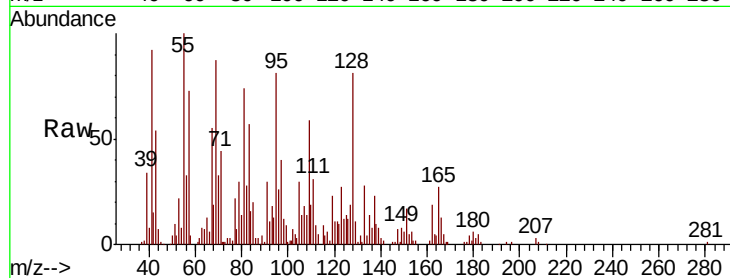




#95
Naphthalene
Concen: 4.057 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. -0.00 min
Lab File: VY003168.D
Acq: 10 Jul 2020 17:07

Instrument :
MSVOA_Y
ClientSampleId :
CHRT-33

Tot Ion	Ratio	Lower	Upper
128	100		
127	21.7	10.9	16.3#
129	10.4	9.0	13.6



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

