

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY032020\
 Data File : VY002038.D
 Acq On : 20 Mar 2020 15:34
 Operator : SY/MD
 Sample : L1994-05
 Misc : 7.88G/5ML/MSVOA Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-3-(1-2)

Quant Time: Mar 23 07:41:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 04:05:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	138370	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.70	114	266777	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.49	117	241838	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.43	152	94106	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	87581	59.29	ug/l	-0.02
Spiked Amount			Recovery	=	118.58%	
35) Dibromofluoromethane	7.73	113	79032	54.25	ug/l	-0.02
Spiked Amount			Recovery	=	108.50%	
50) Toluene-d8	10.18	98	322347	52.48	ug/l	-0.01
Spiked Amount			Recovery	=	104.96%	
62) 4-Bromofluorobenzene	12.49	95	106025	49.64	ug/l	0.00
Spiked Amount			Recovery	=	99.28%	

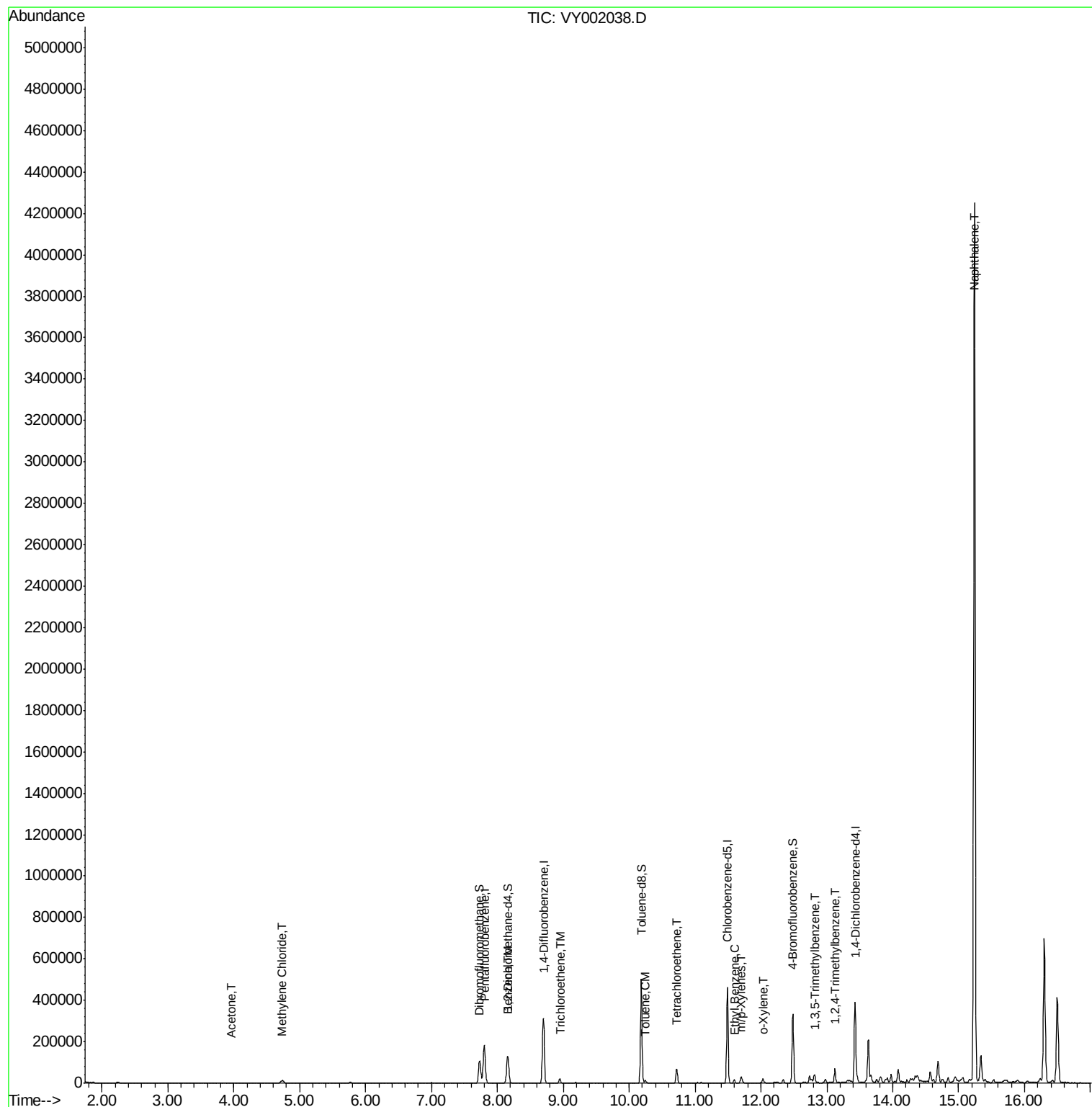
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.96	43	3541	8.230	ug/l #	82
20) Methylene Chloride	4.73	84	9521	5.163	ug/l	95
40) Benzene	8.17	78	28860	3.793	ug/l	100
44) Trichloroethene	8.95	130	7155	3.861	ug/l	87
52) Toluene	10.25	92	4975	1.076	ug/l	95
64) Tetrachloroethene	10.72	164	14600	9.627	ug/l	94
67) Ethyl Benzene	11.60	91	11119	1.237	ug/l	91
68) m/p-Xylenes	11.70	106	8632	2.598	ug/l	100
69) o-Xylene	12.03	106	5223	1.668	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	14383	2.432	ug/l	97
84) 1,2,4-Trimethylbenzene	13.12	105	35453	6.041	ug/l	99
95) Naphthalene	15.24	128	3329613	798.842	ug/l	99

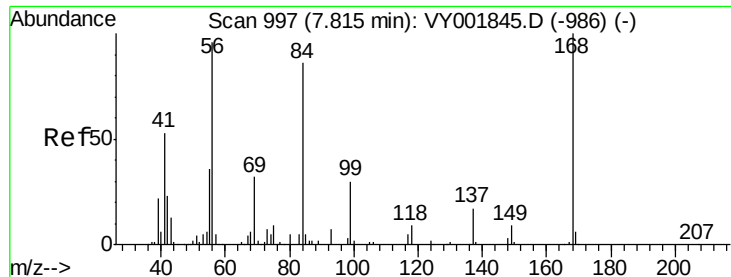
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.01 min

Lab File: VY002038.D

Acq: 20 Mar 2020 15:34

Instrument :

MSVOA_Y

ClientSampleId :

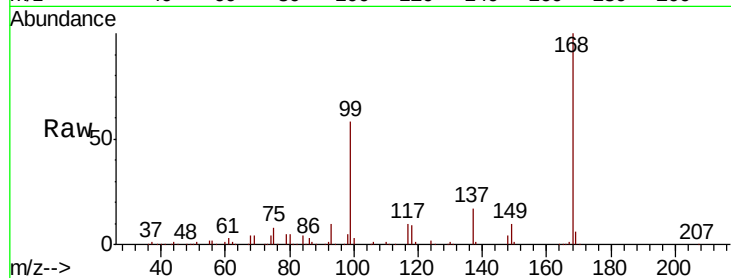
TP-3-(1-2)

Tot Ion:168 Resp: 138370

Ion Ratio Lower Upper

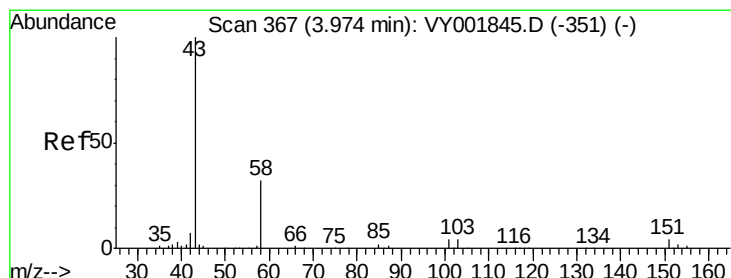
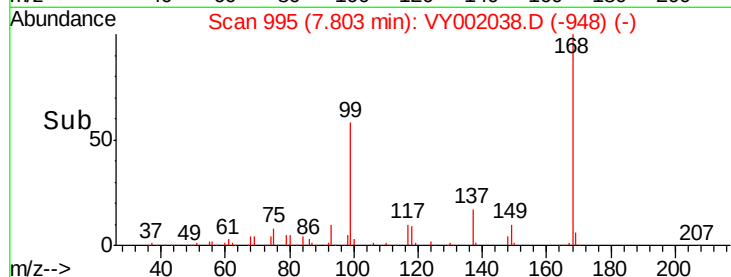
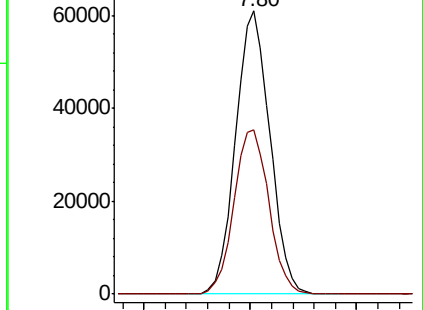
168 100

99 58.3 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): VY001845.D (-986) (-)

Ion 98.90 (98.60 to 99.60): VY001845.D (-986) (-)



#16

Acetone

Concen: 8.230 ug/l

RT: 3.96 min Scan# 365

Delta R.T. -0.01 min

Lab File: VY002038.D

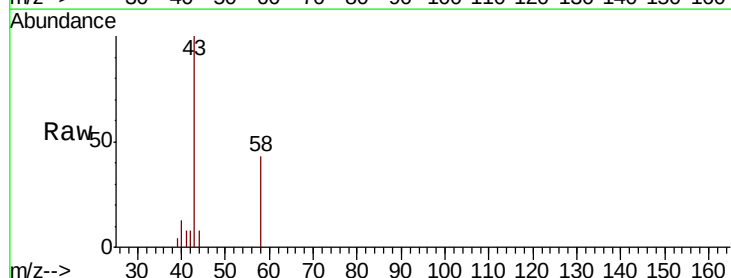
Acq: 20 Mar 2020 15:34

Tgt Ion: 43 Resp: 3541

Ion Ratio Lower Upper

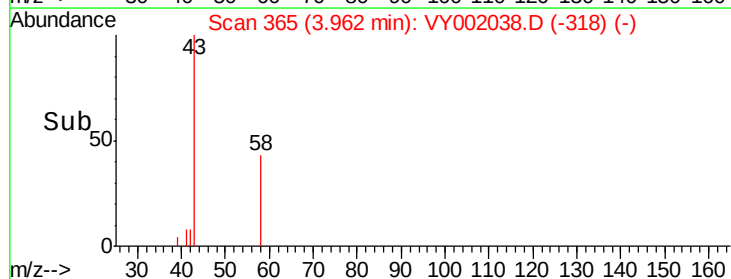
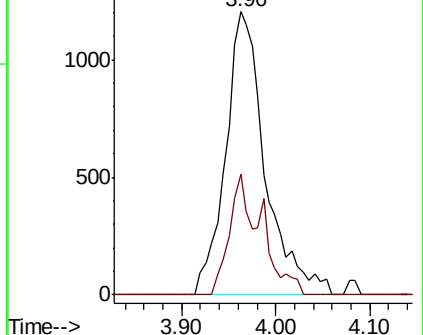
43 100

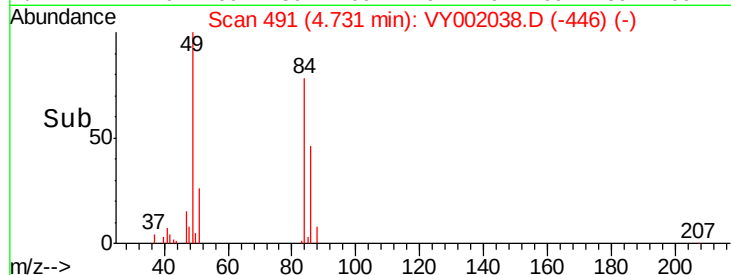
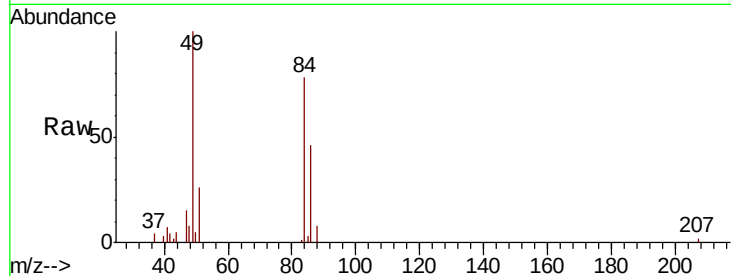
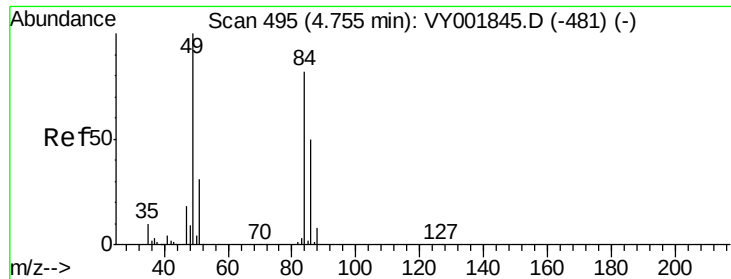
58 42.6 25.9 38.9#



Abundance Ion 43.00 (42.70 to 43.70): VY001845.D (-351) (-)

Ion 58.00 (57.70 to 58.70): VY001845.D (-351) (-)

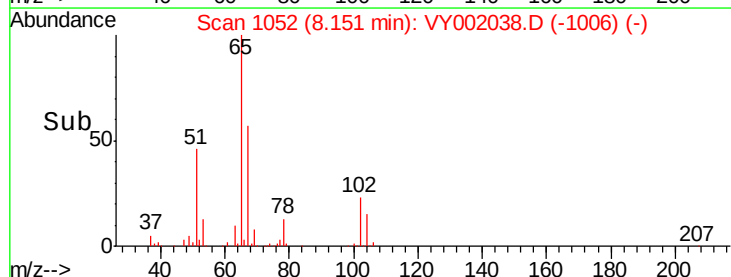
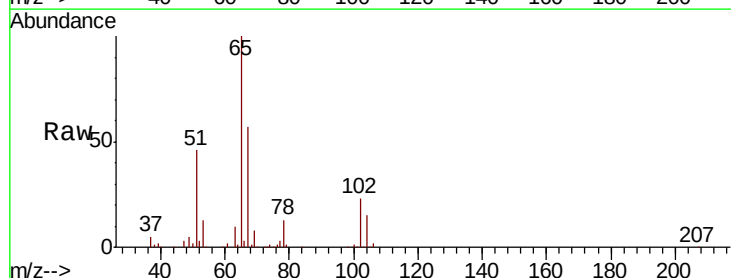
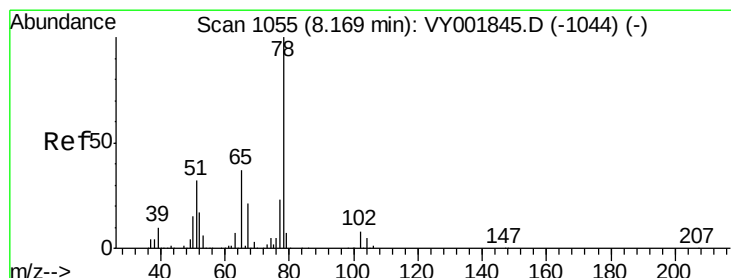
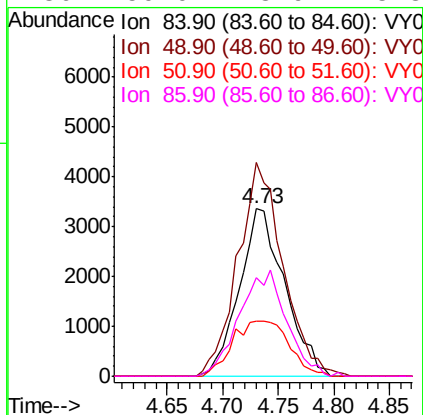




#20
Methylene Chloride
Concen: 5.163 ug/l
RT: 4.73 min Scan# 491
Delta R.T. -0.02 min
Lab File: VY002038.D
Acq: 20 Mar 2020 15:34

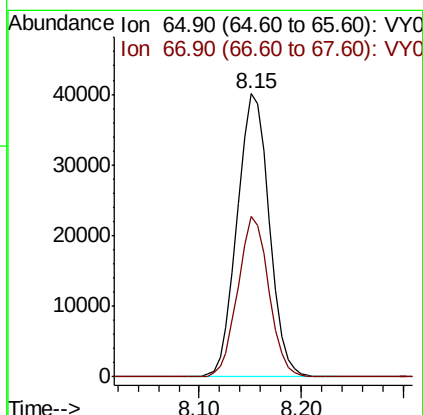
Instrument :
MSVOA_Y
ClientSampleId :
TP-3-(1-2)

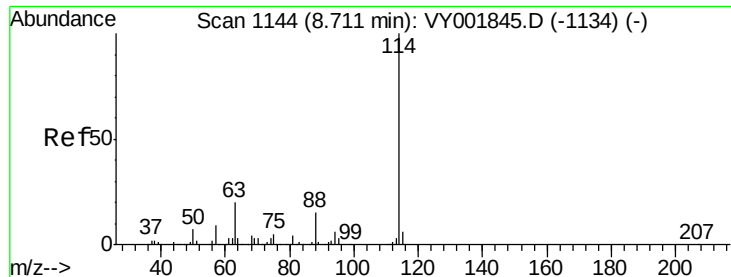
Tot Ion: 84 Resp: 9521
Ion Ratio Lower Upper
84 100
49 127.7 98.2 147.2
51 32.9 30.2 45.2
86 59.0 48.9 73.3



#33
1,2-Dichloroethane-d4
Concen: 59.289 ug/l
RT: 8.15 min Scan# 1052
Delta R.T. -0.02 min
Lab File: VY002038.D
Acq: 20 Mar 2020 15:34

Tgt Ion: 65 Resp: 87581
Ion Ratio Lower Upper
65 100
67 54.6 0.0 110.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.70 min Scan# 1142

Delta R.T. -0.01 min

Lab File: VY002038.D

Acq: 20 Mar 2020 15:34

Instrument :

MSVOA_Y

ClientSampleId :

TP-3-(1-2)

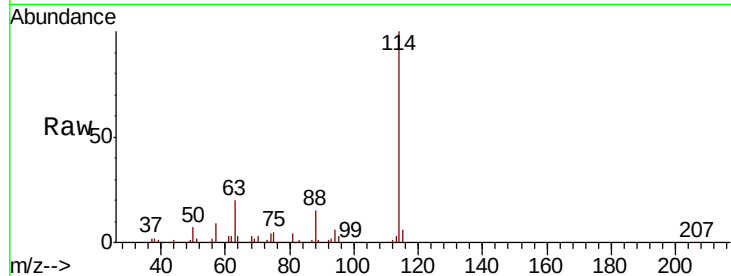
Tot Ion:114 Resp: 266777

Ion Ratio Lower Upper

114 100

63 20.3 0.0 39.4

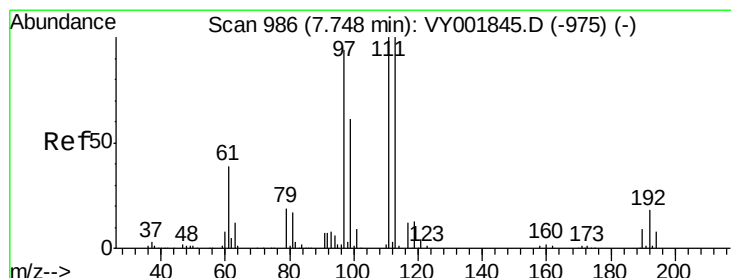
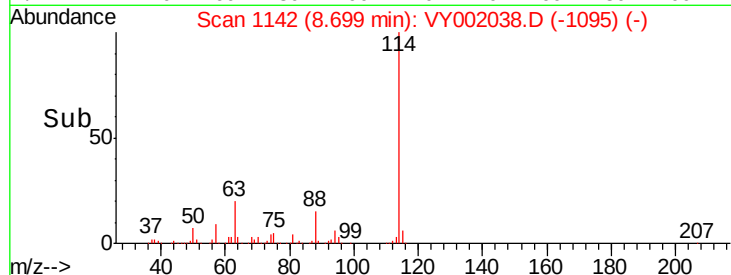
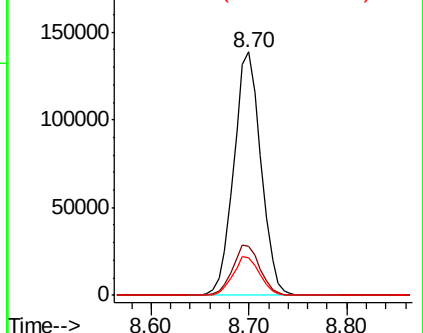
88 15.2 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0



#35

Dibromofluoromethane

Concen: 54.253 ug/l

RT: 7.73 min Scan# 983

Delta R.T. -0.02 min

Lab File: VY002038.D

Acq: 20 Mar 2020 15:34

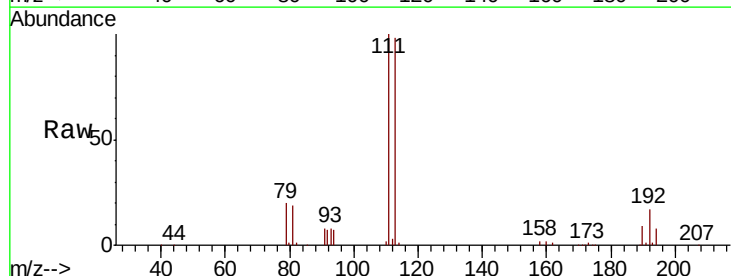
Tgt Ion:113 Resp: 79032

Ion Ratio Lower Upper

113 100

111 103.2 81.8 122.8

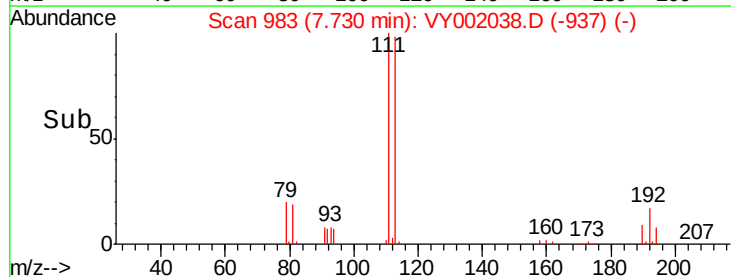
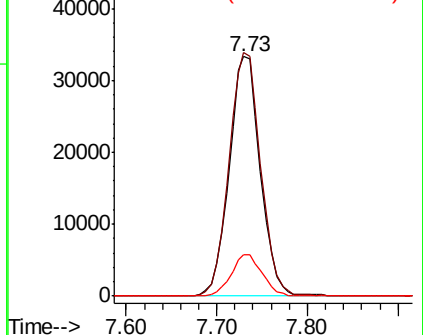
192 17.5 14.2 21.2

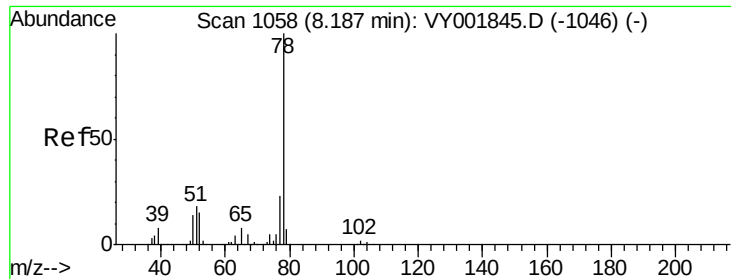


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#40

Benzene

Concen: 3.793 ug/l

RT: 8.17 min Scan# 1055

Delta R.T. -0.02 min

Lab File: VY002038.D

Acq: 20 Mar 2020 15:34

Instrument :

MSVOA_Y

ClientSampleId :

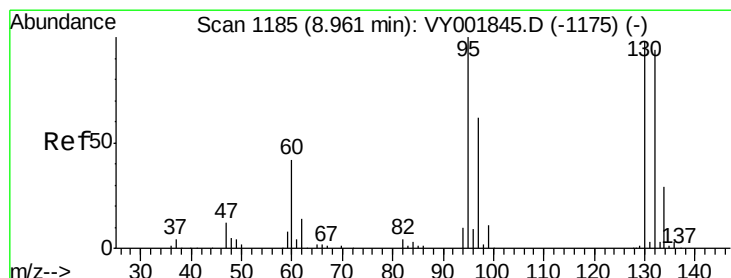
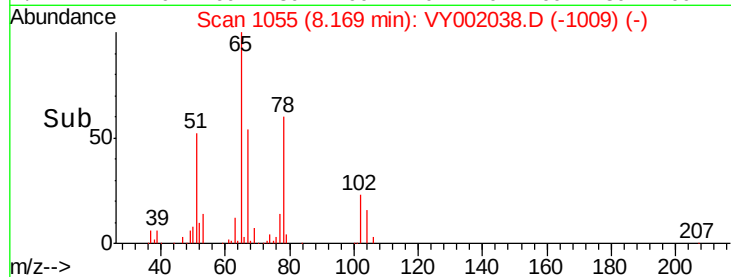
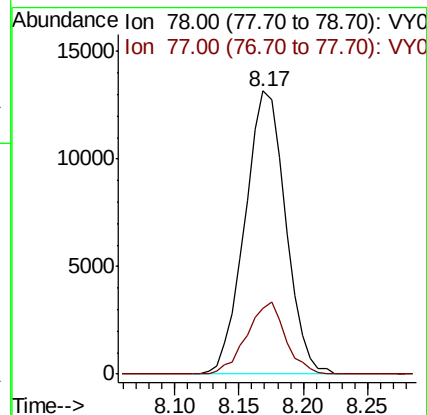
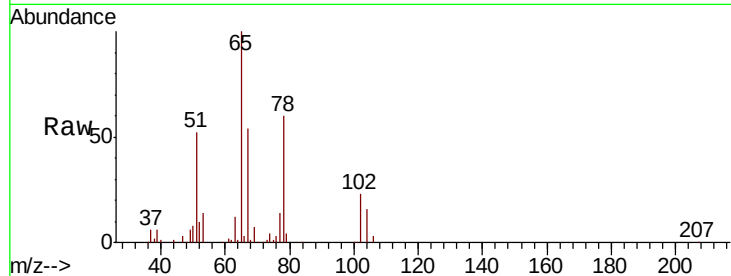
TP-3-(1-2)

Tot Ion: 78 Resp: 28860

Ion Ratio Lower Upper

78 100

77 23.4 18.7 28.1



#44

Trichloroethene

Concen: 3.861 ug/l

RT: 8.95 min Scan# 1183

Delta R.T. -0.01 min

Lab File: VY002038.D

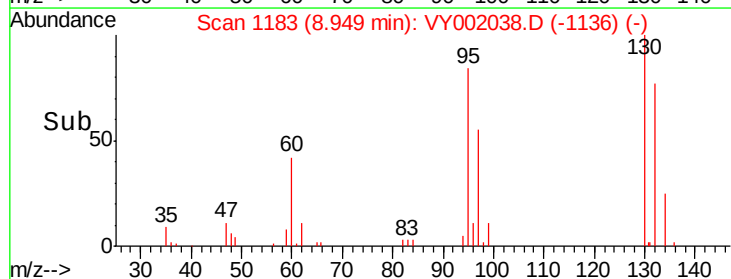
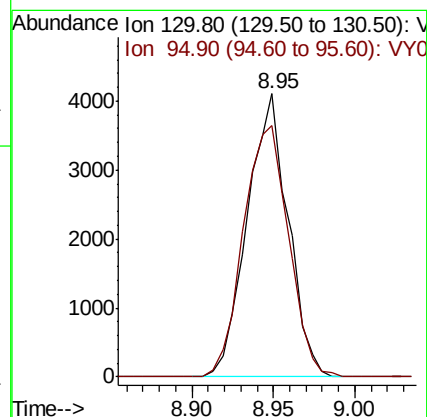
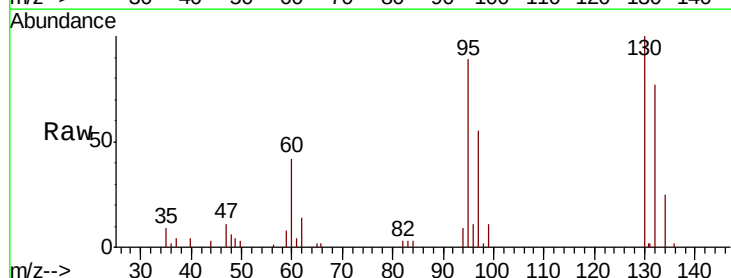
Acq: 20 Mar 2020 15:34

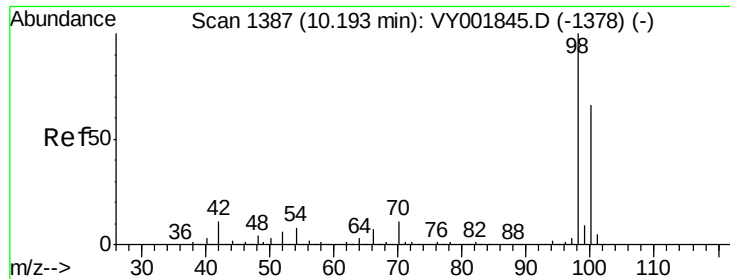
Tgt Ion:130 Resp: 7155

Ion Ratio Lower Upper

130 100

95 88.8 0.0 204.6





#50

Toluene-d8

Concen: 52.476 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.01 min

Lab File: VY002038.D

Acq: 20 Mar 2020 15:34

Instrument :

MSVOA_Y

ClientSampleId :

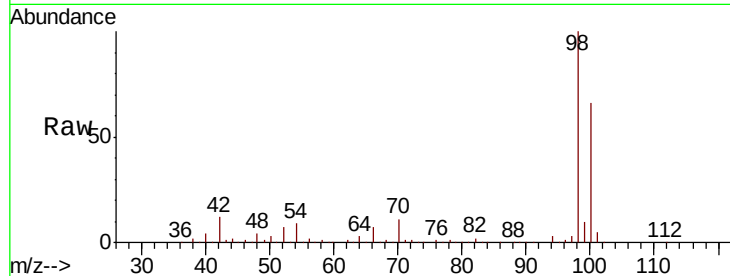
TP-3-(1-2)

Tot Ion: 98 Resp: 322347

Ion Ratio Lower Upper

98 100

100 65.5 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY0

10.18

200000

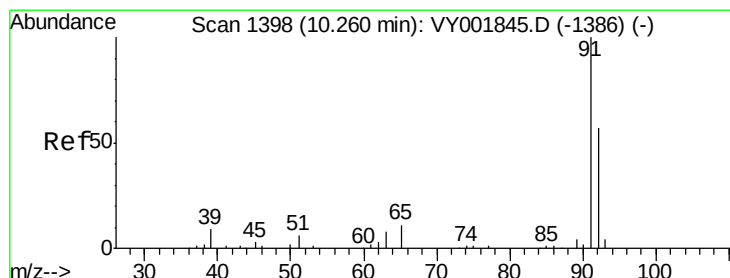
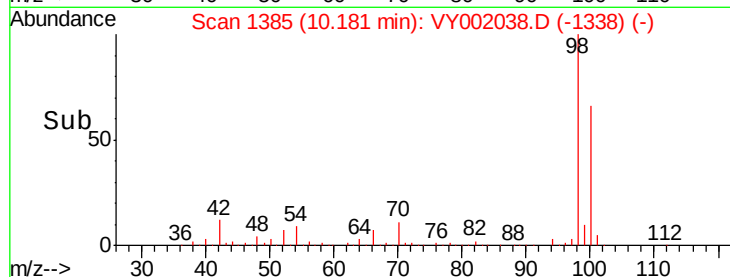
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 1.076 ug/l

RT: 10.25 min Scan# 1396

Delta R.T. -0.01 min

Lab File: VY002038.D

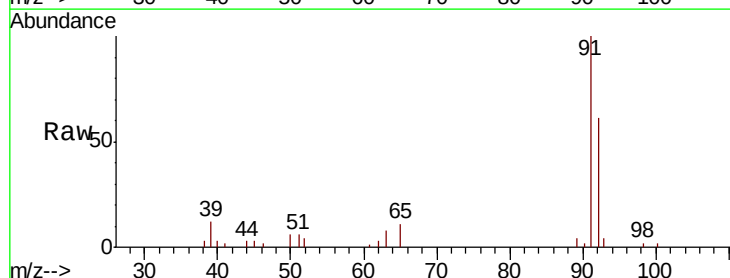
Acq: 20 Mar 2020 15:34

Tgt Ion: 92 Resp: 4975

Ion Ratio Lower Upper

92 100

91 165.8 138.6 208.0



Abundance Ion 92.00 (91.70 to 92.70): VY0

Ion 91.00 (90.70 to 91.70): VY0

5000

4000

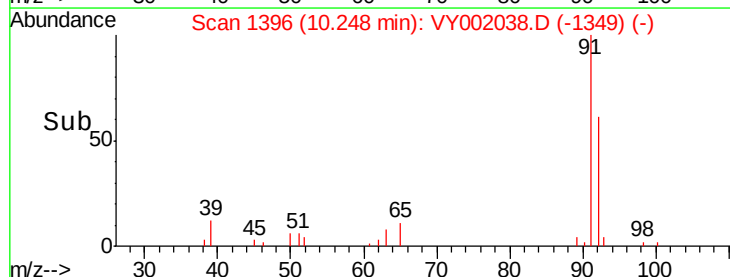
3000

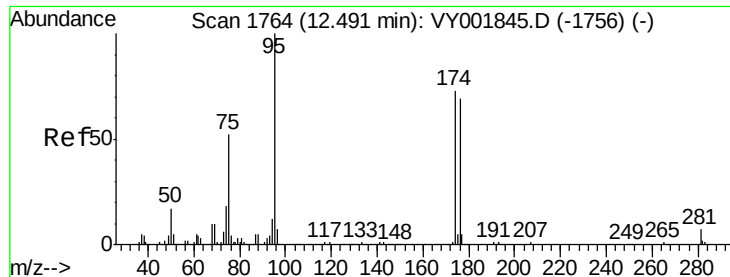
2000

1000

0

Time-->

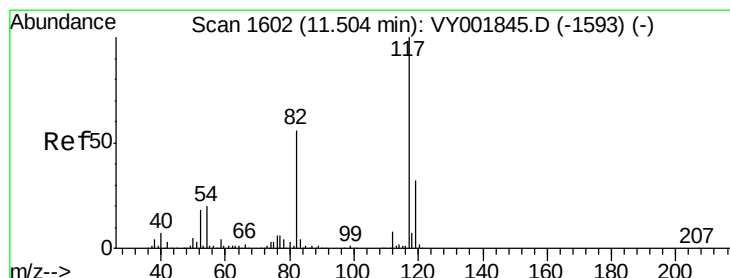
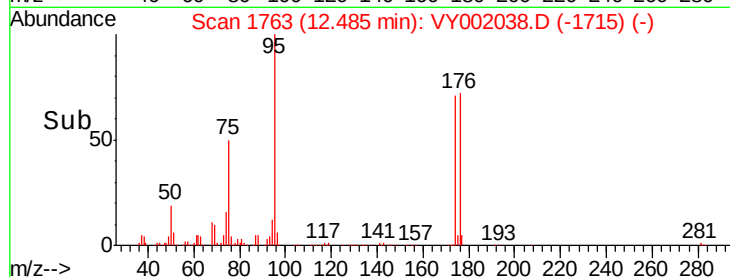
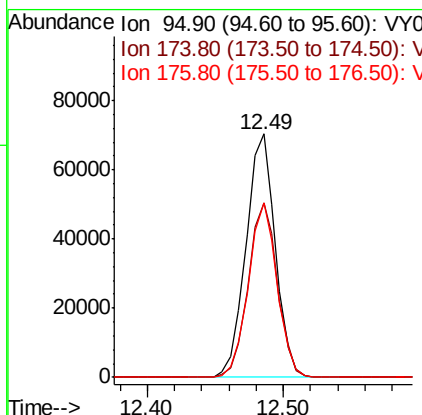
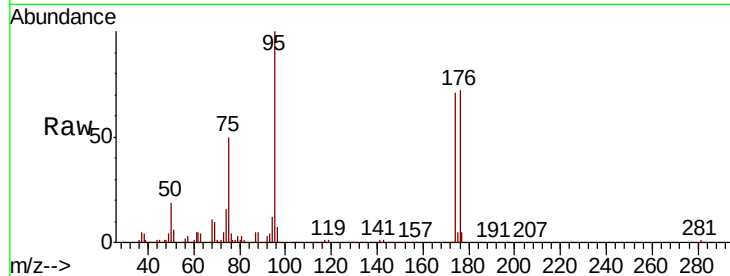




#62
4-Bromofluorobenzene
Concen: 49.639 ug/l
RT: 12.49 min Scan# 1763
Delta R.T. -0.01 min
Lab File: VY002038.D
Acq: 20 Mar 2020 15:34

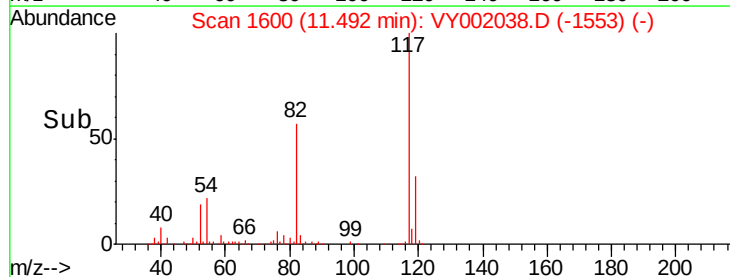
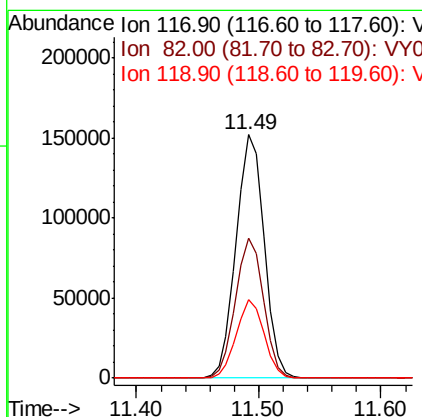
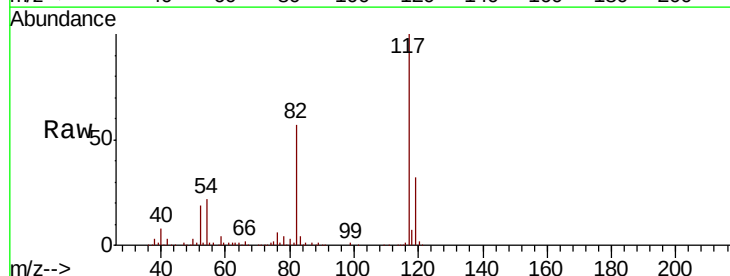
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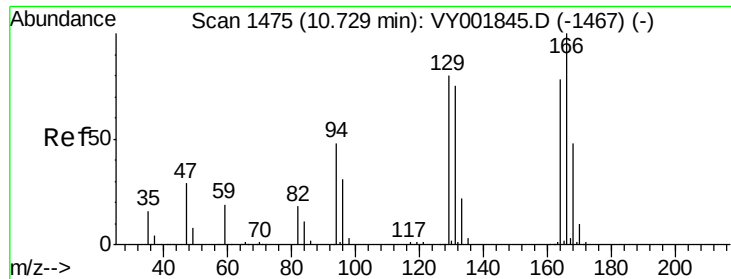
Tot Ion: 95 Resp: 106025
Ion Ratio Lower Upper
95 100
174 71.6 0.0 145.0
176 70.4 0.0 137.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY002038.D
Acq: 20 Mar 2020 15:34

Tgt Ion: 117 Resp: 241838
Ion Ratio Lower Upper
117 100
82 57.3 44.5 66.7
119 32.4 25.7 38.5

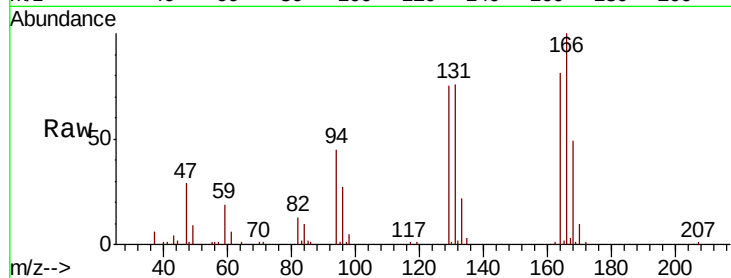




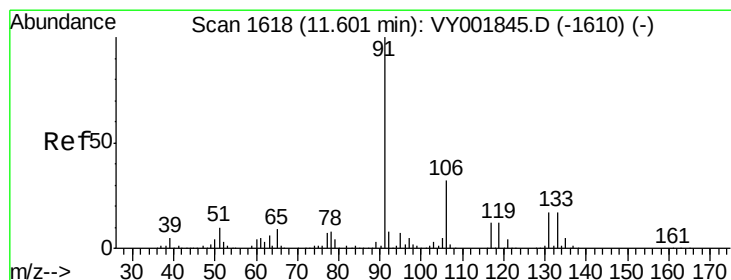
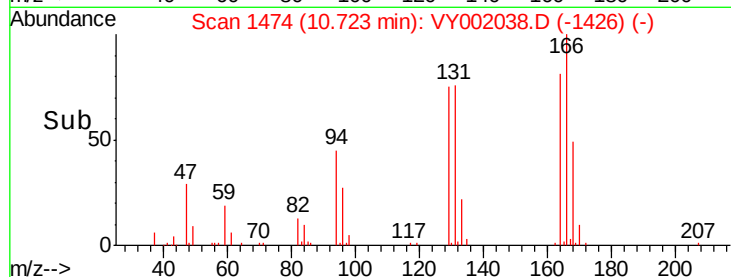
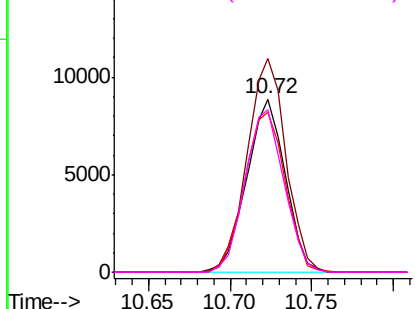
#64
Tetrachloroethene
Concen: 9.627 ug/l
RT: 10.72 min Scan# 1474
Delta R.T. -0.01 min
Lab File: VY002038.D
Acq: 20 Mar 2020 15:34

Instrument :
MSVOA_Y
ClientSampleId :
TP-3-(1-2)

Tot Ion:164 Resp: 14600
Ion Ratio Lower Upper
164 100
166 123.3 102.6 154.0
129 92.6 82.3 123.5
131 93.6 77.4 116.0

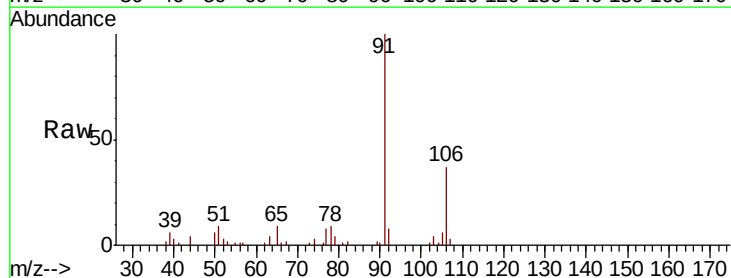


Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

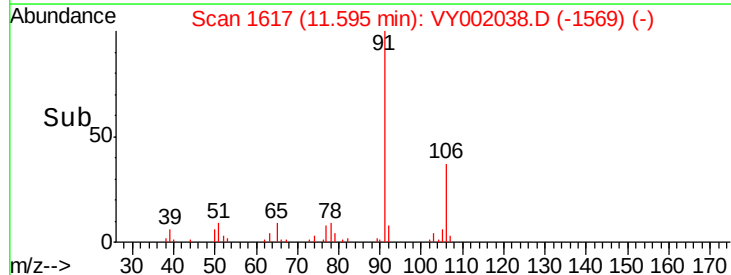
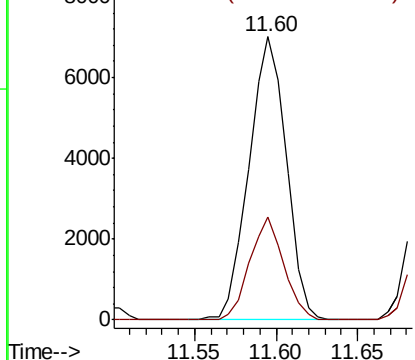


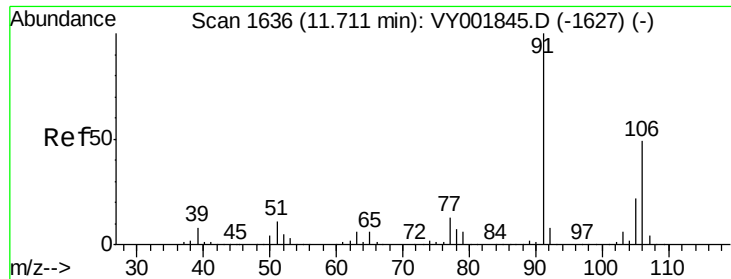
#67
Ethyl Benzene
Concen: 1.237 ug/l
RT: 11.60 min Scan# 1617
Delta R.T. -0.01 min
Lab File: VY002038.D
Acq: 20 Mar 2020 15:34

Tgt Ion: 91 Resp: 11119
Ion Ratio Lower Upper
91 100
106 36.6 25.4 38.2



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

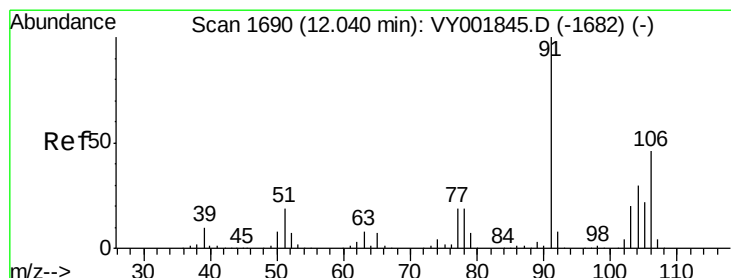
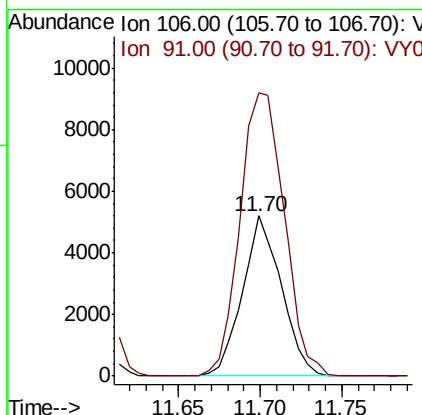
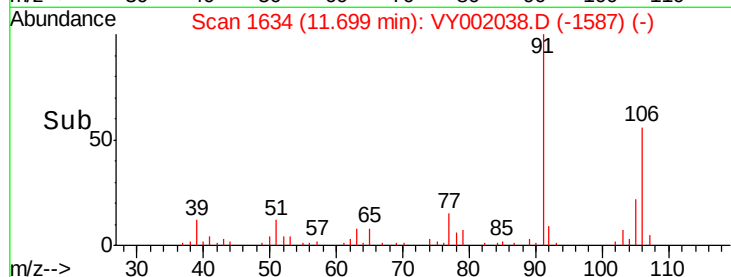
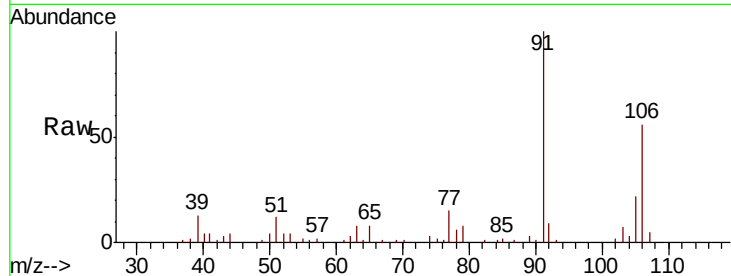




#68
m/p-Xylenes
Concen: 2.598 ug/l
RT: 11.70 min Scan# 1634
Delta R.T. -0.01 min
Lab File: VY002038.D
Acq: 20 Mar 2020 15:34

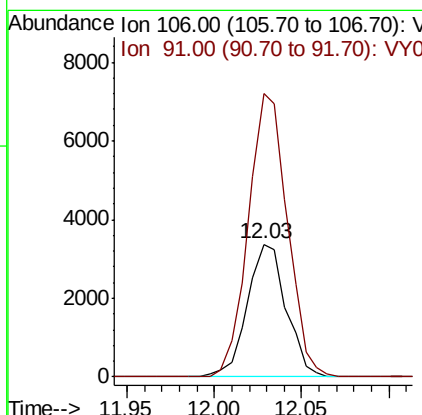
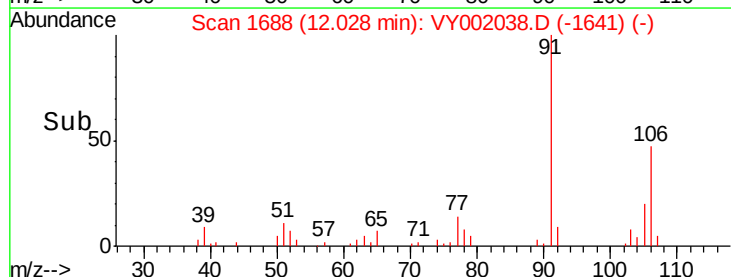
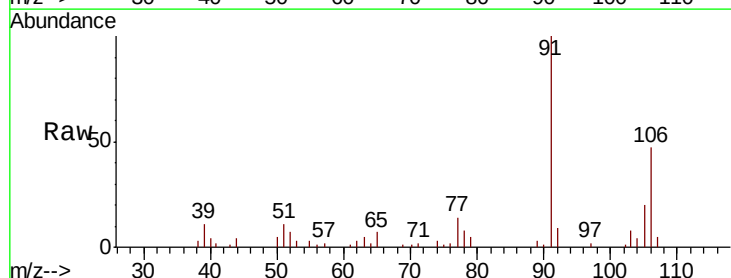
Instrument :
MSVOA_Y
ClientSampled :
TP-3-(1-2)

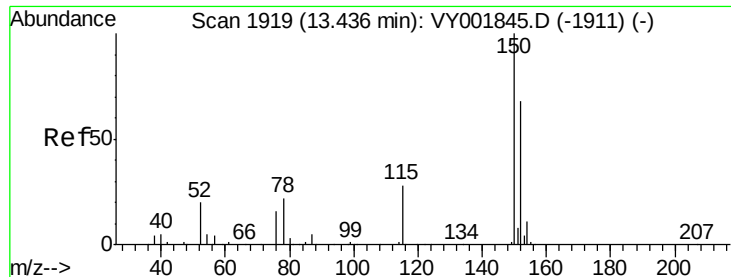
Tot Ion:106 Resp: 8632
Ion Ratio Lower Upper
106 100
91 201.8 161.3 241.9



#69
o-Xylene
Concen: 1.668 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. -0.01 min
Lab File: VY002038.D
Acq: 20 Mar 2020 15:34

Tgt Ion:106 Resp: 5223
Ion Ratio Lower Upper
106 100
91 214.2 106.8 320.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.43 min Scan# 1918

Delta R.T. -0.01 min

Lab File: VY002038.D

Acq: 20 Mar 2020 15:34

Instrument :

MSVOA_Y

ClientSampleId :

TP-3-(1-2)

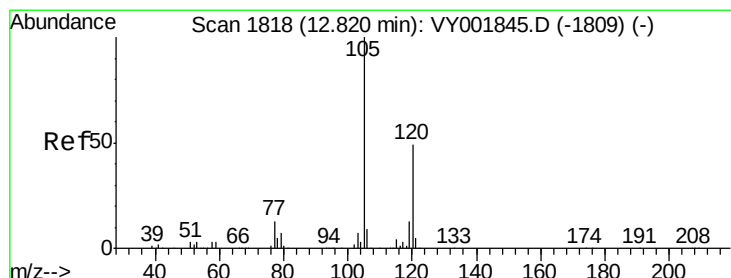
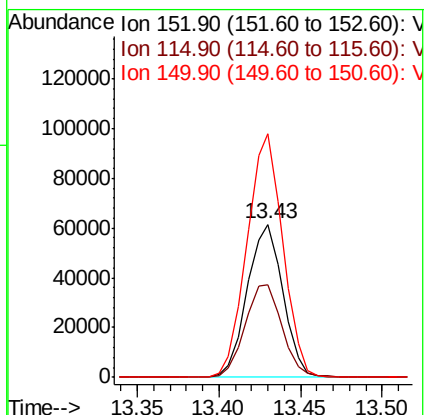
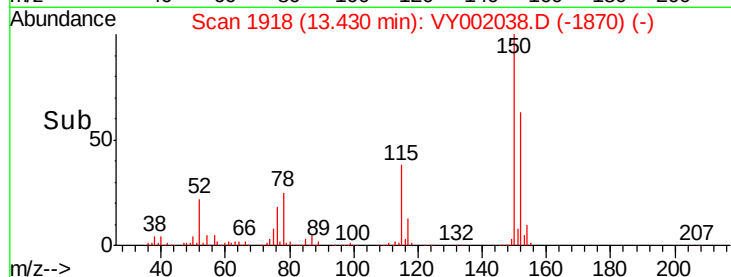
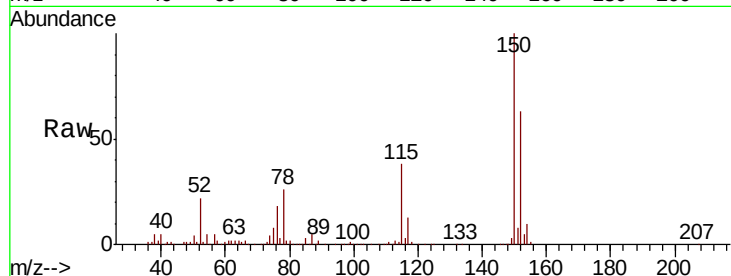
Tot Ion:152 Resp: 94106

Ion Ratio Lower Upper

152 100

115 62.8 29.9 89.7

150 158.8 0.0 340.6



#80

1,3,5-Trimethylbenzene

Concen: 2.432 ug/l

RT: 12.81 min Scan# 1817

Delta R.T. -0.01 min

Lab File: VY002038.D

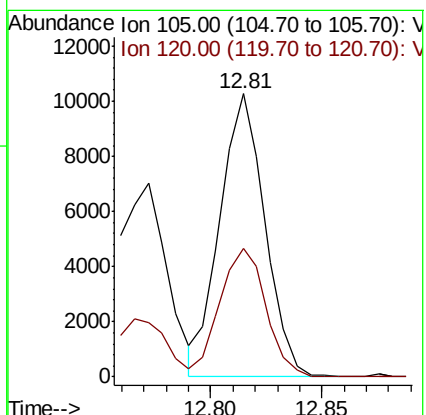
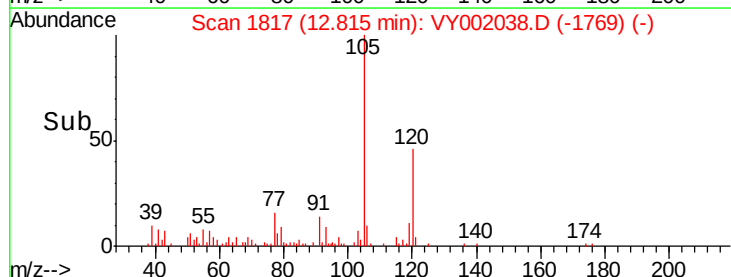
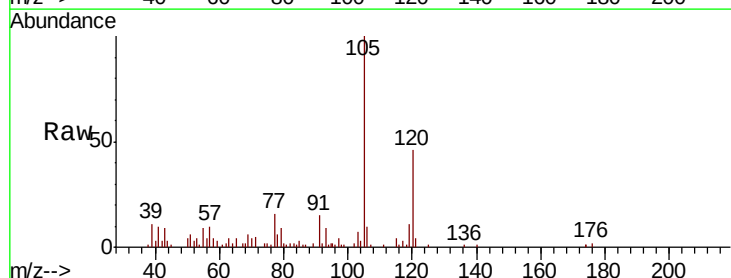
Acq: 20 Mar 2020 15:34

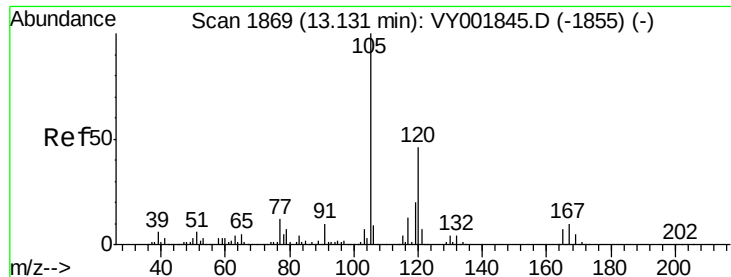
Tgt Ion:105 Resp: 14383

Ion Ratio Lower Upper

105 100

120 46.8 24.4 73.2

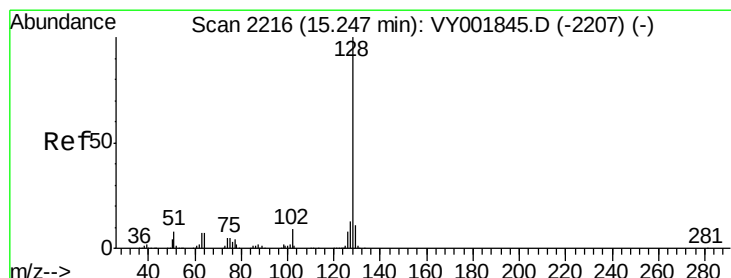
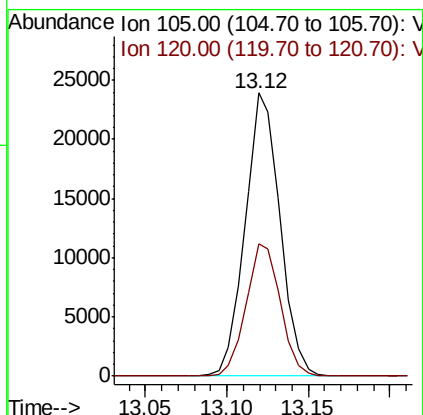
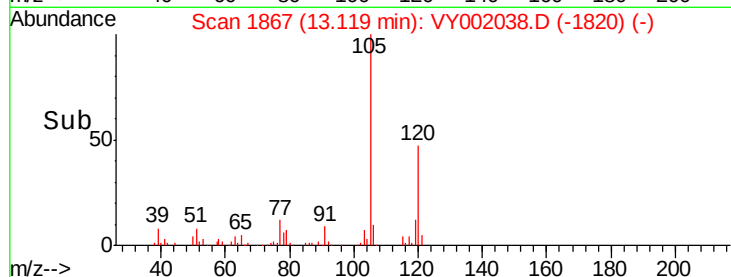
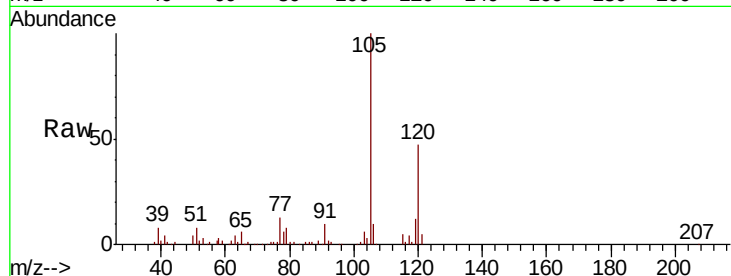




#84
 1,2,4-Trimethylbenzene
 Concen: 6.041 ug/l
 RT: 13.12 min Scan# 1867
 Delta R.T. -0.01 min
 Lab File: VY002038.D
 Acq: 20 Mar 2020 15:34

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-3-(1-2)

Tot Ion:105 Resp: 35453
 Ion Ratio Lower Upper
 105 100
 120 45.8 22.6 67.7



#95
 Naphthalene
 Concen: 798.842 ug/l
 RT: 15.24 min Scan# 2215
 Delta R.T. -0.01 min
 Lab File: VY002038.D
 Acq: 20 Mar 2020 15:34

Tgt Ion:128 Resp: 3329613
 Ion Ratio Lower Upper
 128 100
 127 12.7 10.1 15.1
 129 11.1 8.6 13.0

