

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY021920\
 Data File : VY001693.D
 Acq On : 19 Feb 2020 12:03
 Operator : SY/MD
 Sample : L1362-01
 Misc : 6.87G/5ML/MSVOA Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BU-03-021820

Quant Time: Feb 19 13:59:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 17 12:19:53 2020
 Response via : Initial Calibration

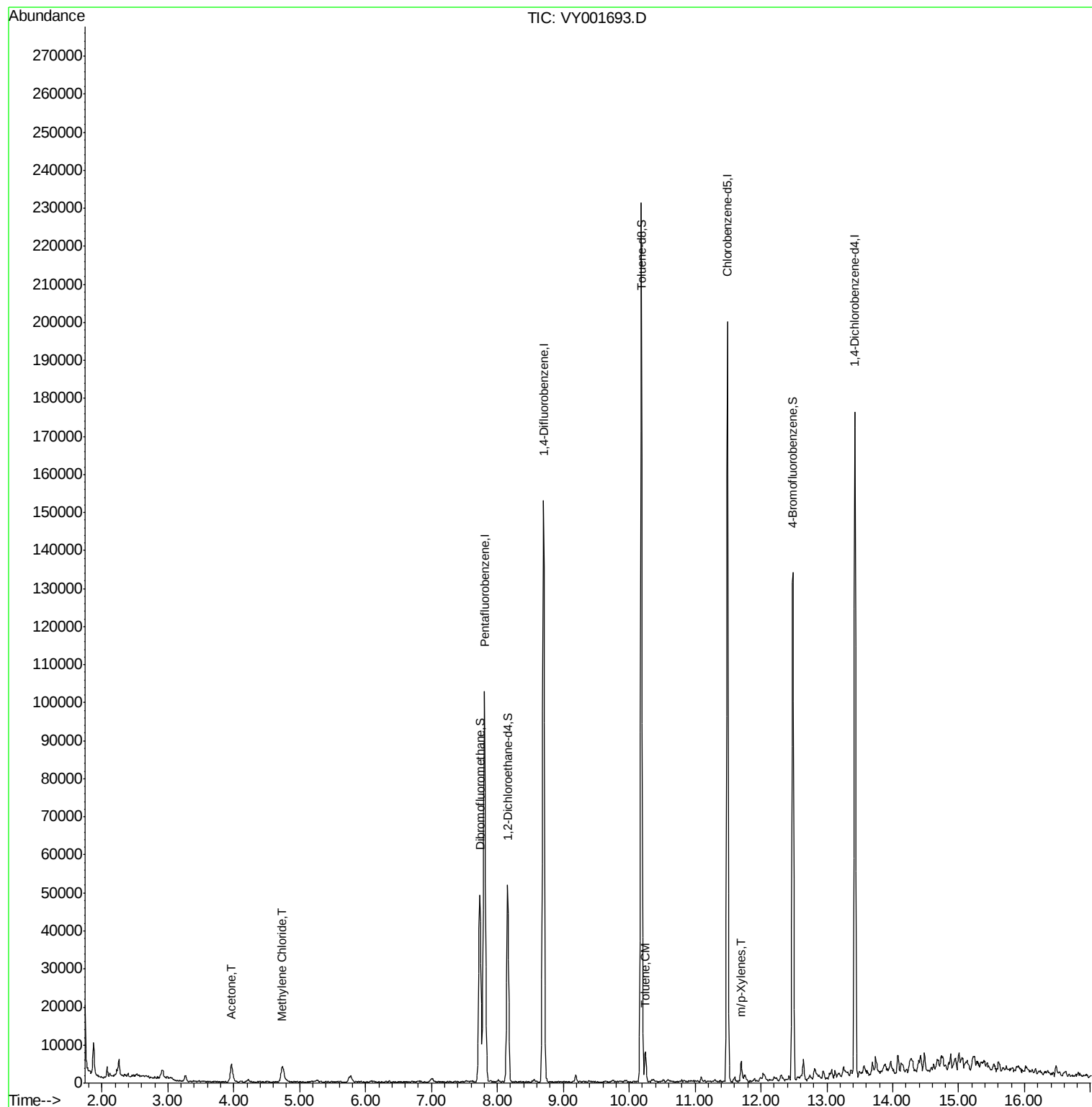
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	77417	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.70	114	128946	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.49	117	103469	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.42	152	42363	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.16	65	37234	44.71	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	89.42%	
35) Dibromofluoromethane	7.74	113	35072	47.49	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	94.98%	
50) Toluene-d8	10.18	98	148032	51.16	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	102.32%	
62) 4-Bromofluorobenzene	12.49	95	44560	39.64	ug/l	0.00
Spiked Amount 50.000			Recovery	=	79.28%	
Target Compounds						
16) Acetone	3.96	43	7872	27.321	ug/l	89
20) Methylene Chloride	4.74	84	3065	2.995	ug/l	87
52) Toluene	10.24	92	3398	1.504	ug/l	98
68) m/p-Xylenes	11.70	106	1568	1.095	ug/l	98

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.01 min

Lab File: VY001693.D

Acq: 19 Feb 2020 12:03

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MSVOA_Y

ClientSampleId :

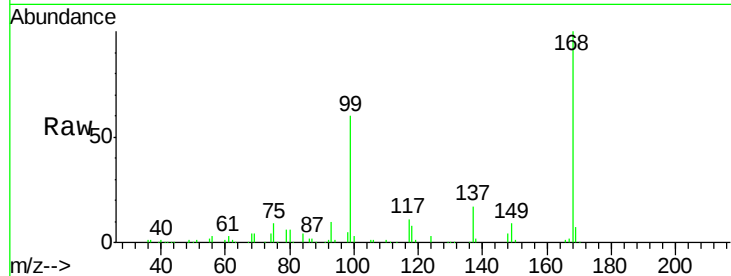
BU-03-021820

Tot Ion:168 Resp: 77417

Ion Ratio Lower Upper

168 100

99 59.5 47.5 71.3



Abundance Ion 167.90 (167.60 to 168.60): VY001693.D (-948) (-)

Ion 98.90 (98.60 to 99.60): VY001693.D (-948) (-)

7.80

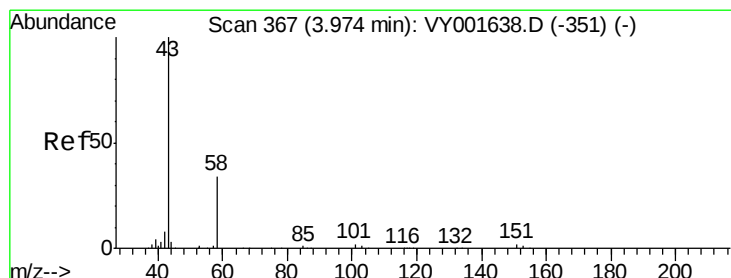
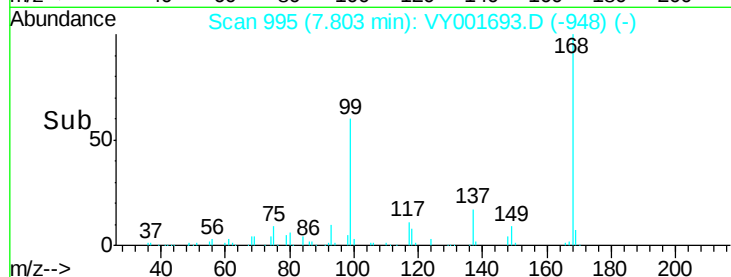
30000

20000

10000

0

Time--> 7.70 7.75 7.80 7.85 7.90



#16

Acetone

Concen: 27.321 ug/l

RT: 3.96 min Scan# 365

Delta R.T. -0.01 min

Lab File: VY001693.D

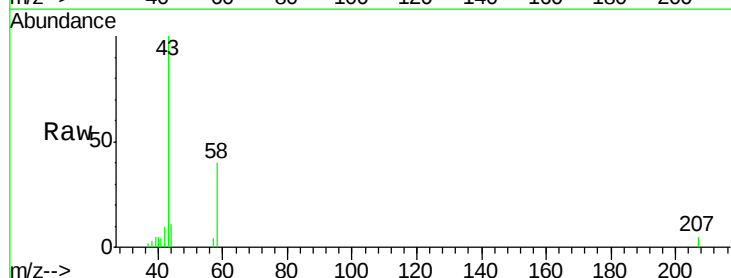
Acq: 19 Feb 2020 12:03

Tgt Ion: 43 Resp: 7872

Ion Ratio Lower Upper

43 100

58 40.5 27.3 40.9



Abundance Ion 43.00 (42.70 to 43.70): VY001693.D (-318) (-)

Ion 58.00 (57.70 to 58.70): VY001693.D (-318) (-)

3.96

3000

2500

2000

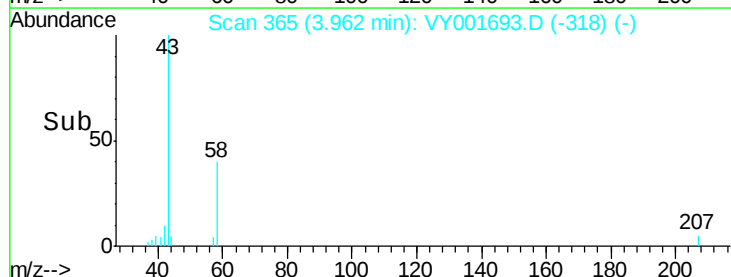
1500

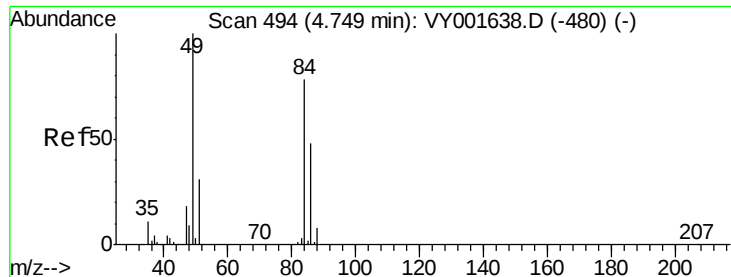
1000

500

0

Time--> 3.90 4.00 4.10

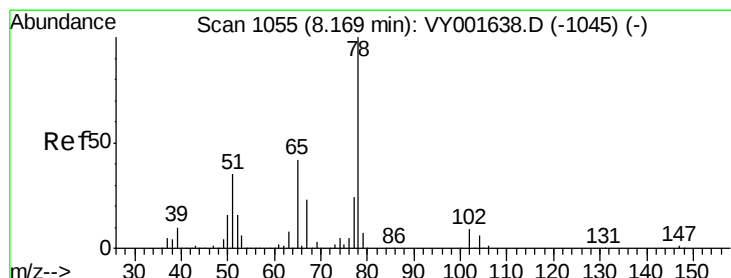
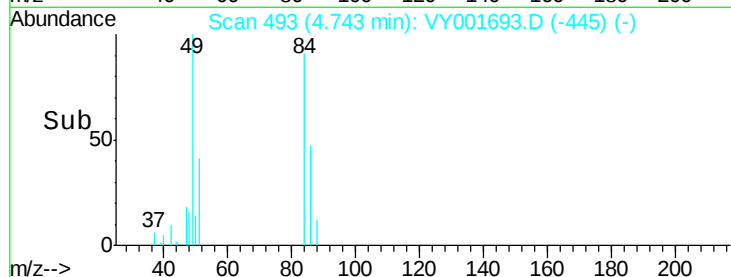
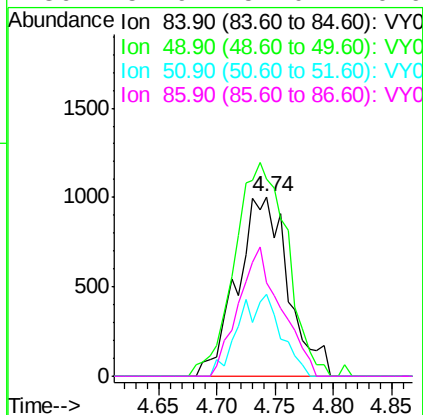
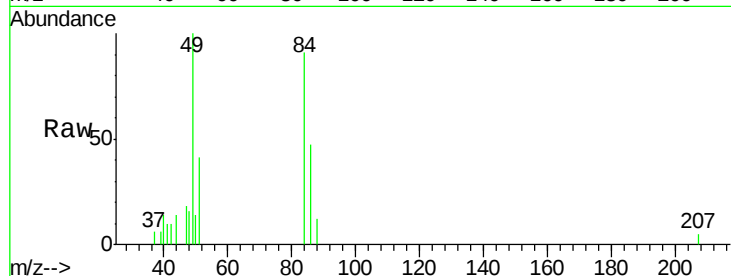




#20
Methvlene Chloride
Concen: 2.995 ug/l
RT: 4.74 min Scan# 493
Delta R.T. -0.01 min
Lab File: VY001693.D
Acq: 19 Feb 2020 12:03

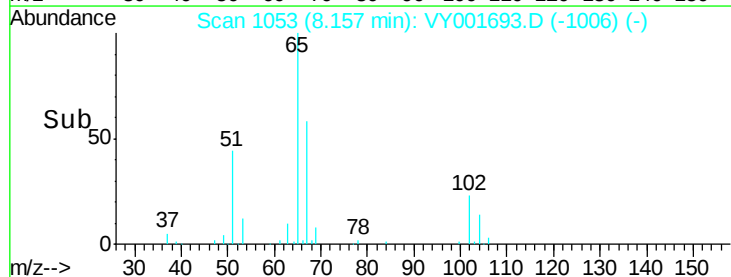
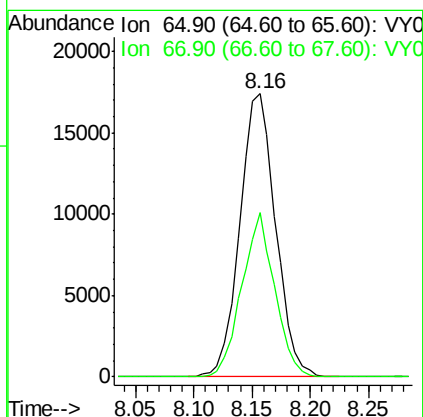
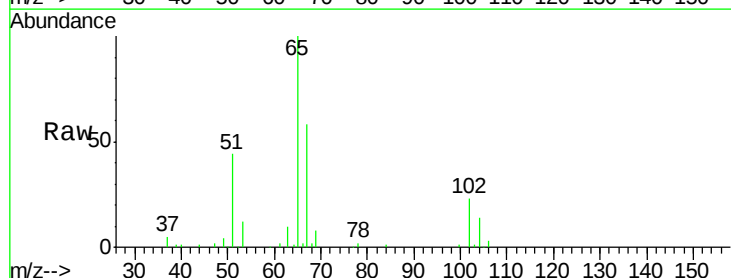
Instrument :
MSVOA_Y
ClientSampleId :
BU-03-021820

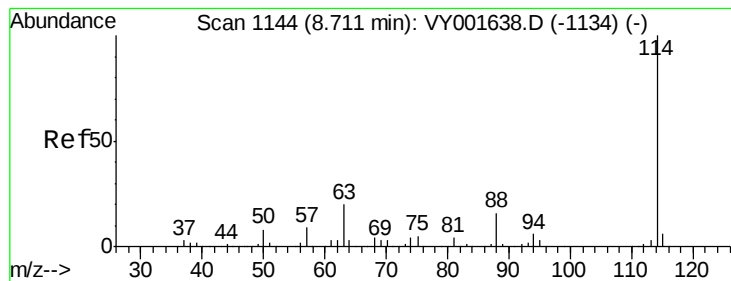
Tot Ion: 84 Resp: 3065
Ion Ratio Lower Upper
84 100
49 109.9 99.2 148.8
51 45.4 31.5 47.3
86 51.9 51.0 76.6



#33
1,2-Dichloroethane-d4
Concen: 44.713 ug/l
RT: 8.16 min Scan# 1053
Delta R.T. -0.01 min
Lab File: VY001693.D
Acq: 19 Feb 2020 12:03

Tgt Ion: 65 Resp: 37234
Ion Ratio Lower Upper
65 100
67 53.4 0.0 111.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.70 min Scan# 1142

Delta R.T. -0.01 min

Lab File: VY001693.D

Acq: 19 Feb 2020 12:03

Instrument :

MSVOA_Y

ClientSampleId :

BU-03-021820

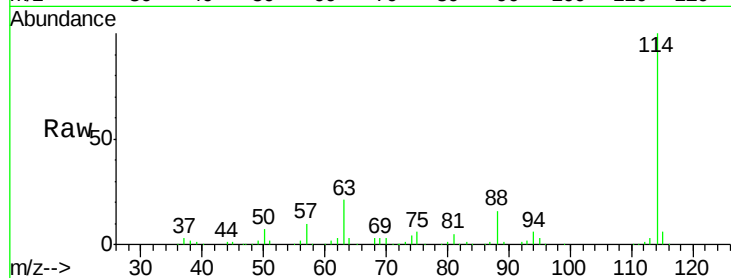
Tot Ion:114 Resp: 128946

Ion Ratio Lower Upper

114 100

63 20.7 0.0 41.4

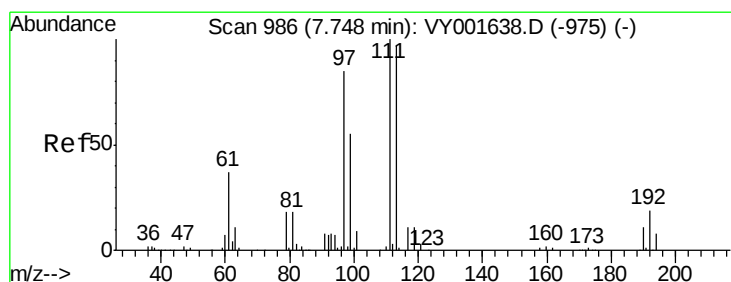
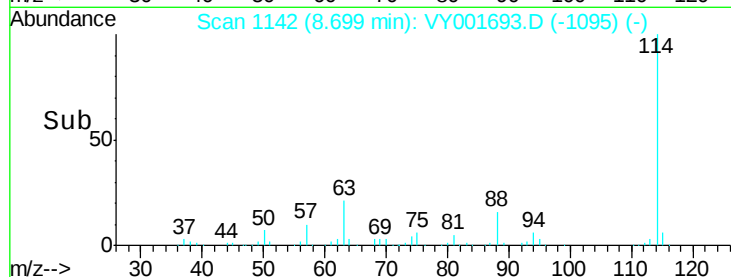
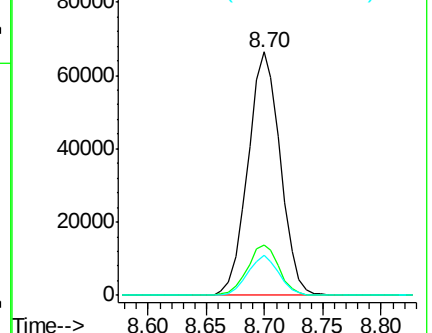
88 16.3 0.0 32.8



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: 47.488 ug/l

RT: 7.74 min Scan# 984

Delta R.T. -0.01 min

Lab File: VY001693.D

Acq: 19 Feb 2020 12:03

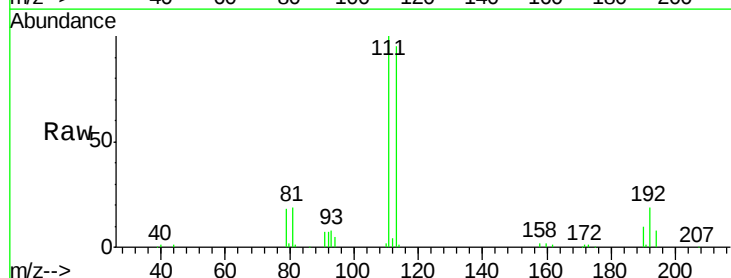
Tgt Ion:113 Resp: 35072

Ion Ratio Lower Upper

113 100

111 103.1 81.9 122.9

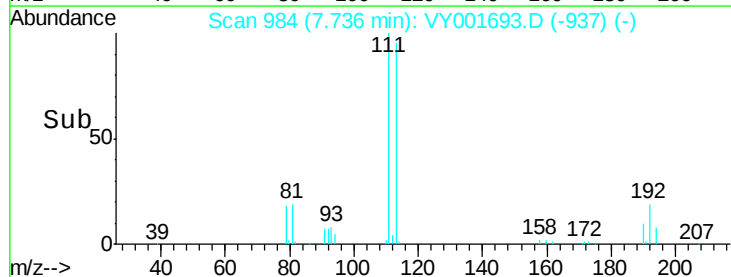
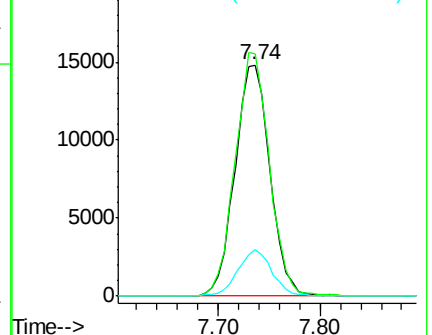
192 19.4 14.3 21.5

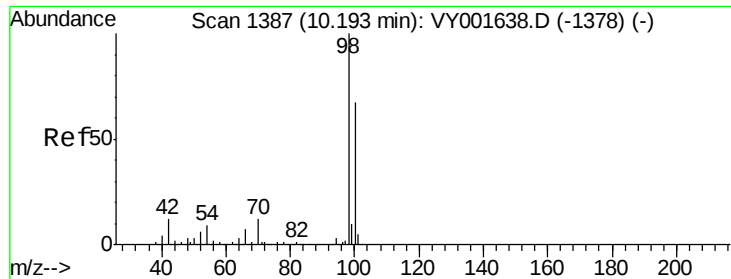


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 51.162 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.01 min

Lab File: VY001693.D

Acq: 19 Feb 2020 12:03

Instrument :

MSVOA_Y

ClientSampleId :

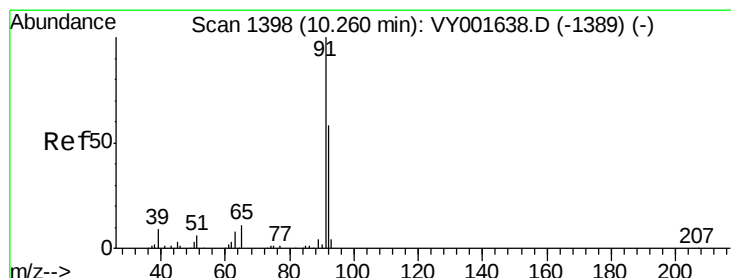
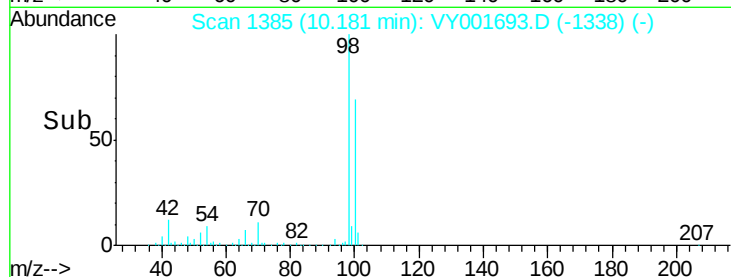
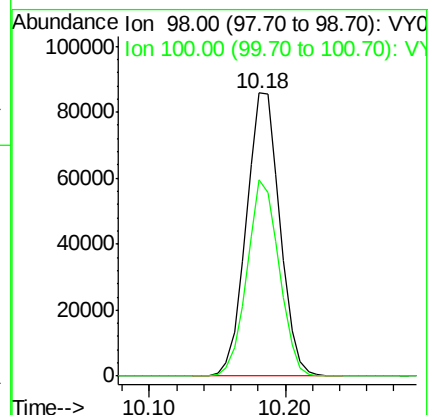
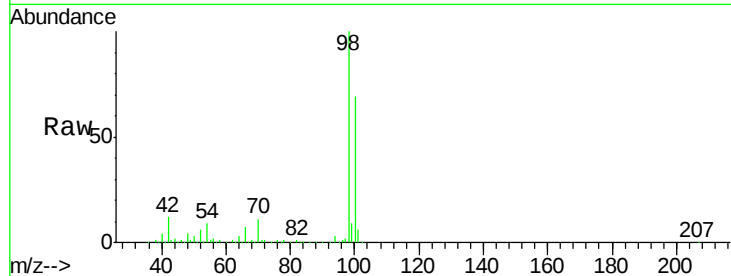
BU-03-021820

Tot Ion: 98 Resp: 148032

Ion Ratio Lower Upper

98 100

100 66.3 53.0 79.4



#52

Toluene

Concen: 1.504 ug/l

RT: 10.24 min Scan# 1395

Delta R.T. -0.02 min

Lab File: VY001693.D

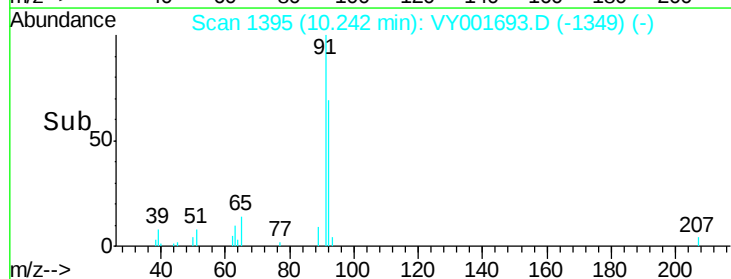
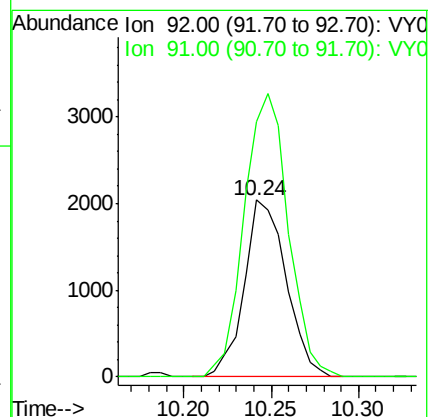
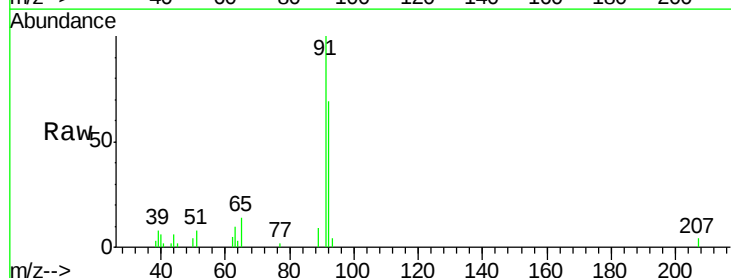
Acq: 19 Feb 2020 12:03

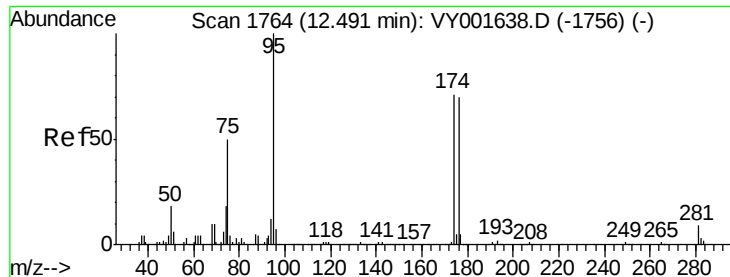
Tgt Ion: 92 Resp: 3398

Ion Ratio Lower Upper

92 100

91 168.7 137.0 205.6

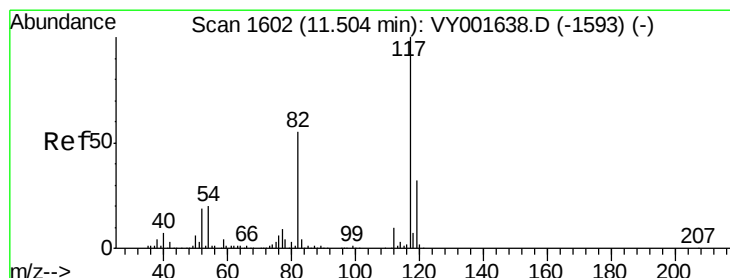
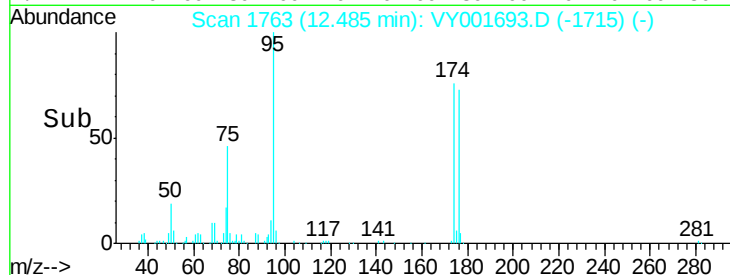
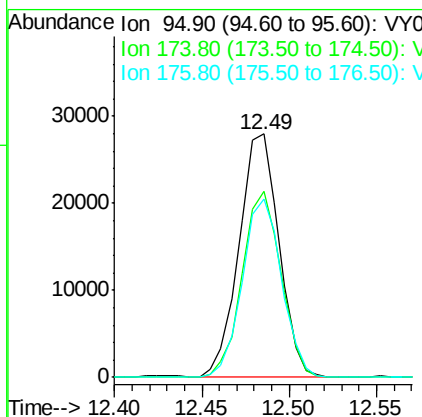
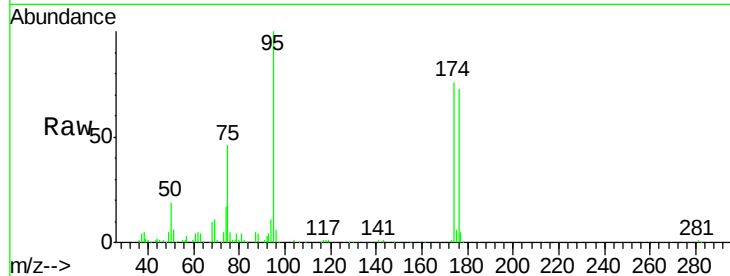




#62
4-Bromofluorobenzene
Concen: 39.642 ug/l
RT: 12.49 min Scan# 1763
Delta R.T. -0.01 min
Lab File: VY001693.D
Acq: 19 Feb 2020 12:03

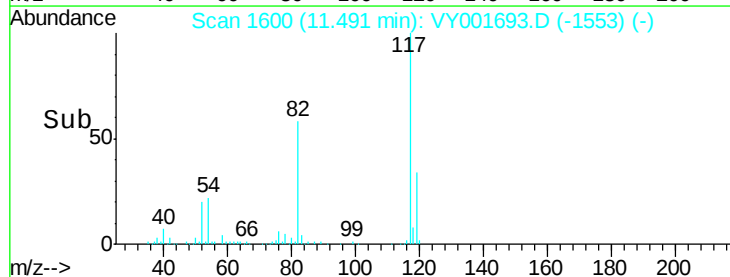
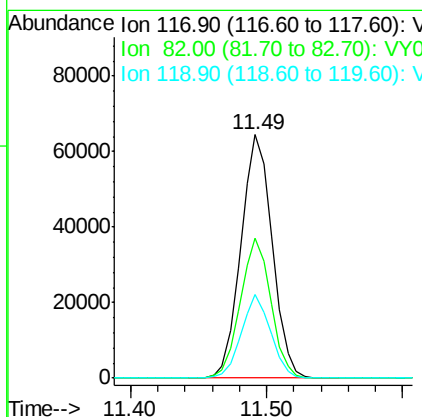
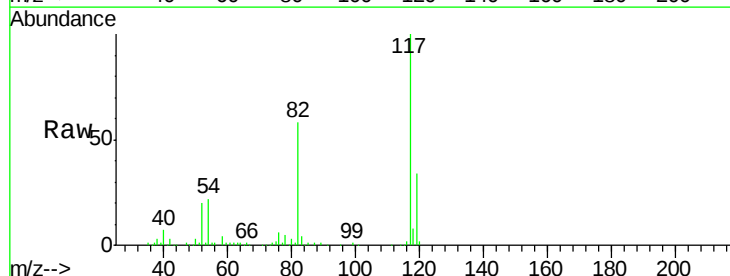
Instrument :
MSVOA_Y
ClientSampleId :
BU-03-021820

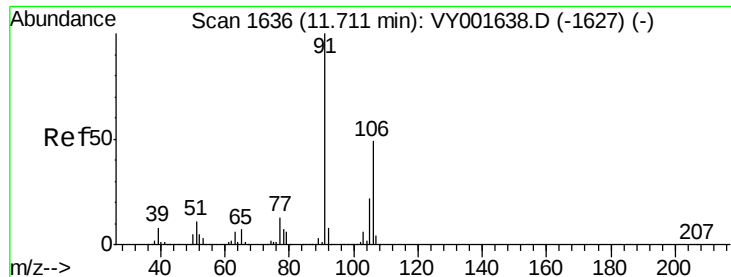
Tot Ion: 95 Resp: 44560
Ion Ratio Lower Upper
95 100
174 74.3 0.0 138.4
176 72.0 0.0 131.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY001693.D
Acq: 19 Feb 2020 12:03

Tgt Ion: 117 Resp: 103469
Ion Ratio Lower Upper
117 100
82 57.7 45.5 68.3
119 34.3 25.8 38.6





#68

m/p-Xvlenes

Concen: 1.095 ug/l

RT: 11.70 min Scan# 1634

Delta R.T. -0.01 min

Lab File: VY001693.D

Acq: 19 Feb 2020 12:03

Instrument :

MSVOA_Y

ClientSampleId :

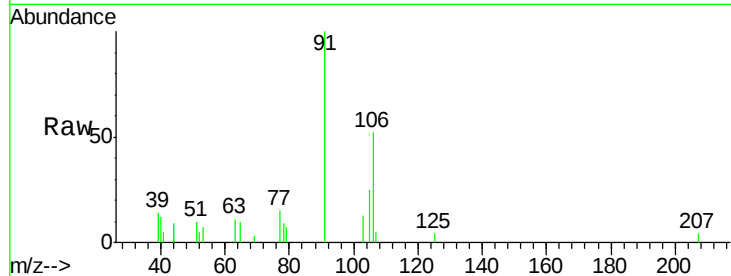
BU-03-021820

Tot Ion:106 Resp: 1568

Ion Ratio Lower Upper

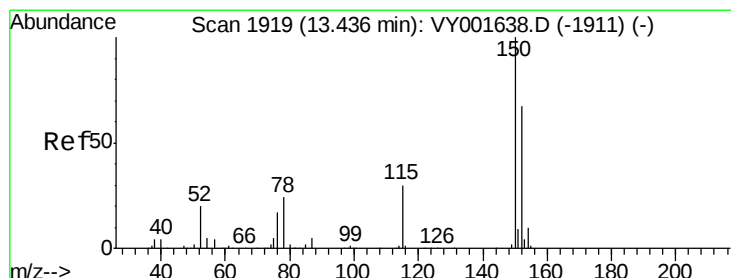
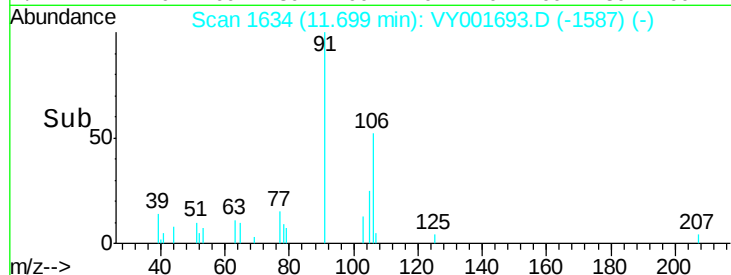
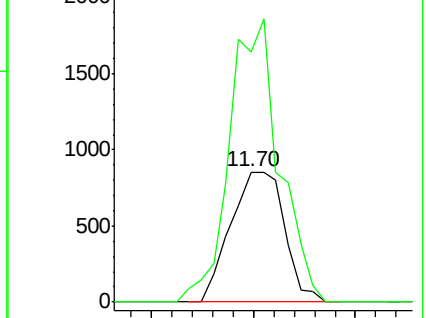
106 100

91 201.1 163.3 244.9



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. -0.01 min

Lab File: VY001693.D

Acq: 19 Feb 2020 12:03

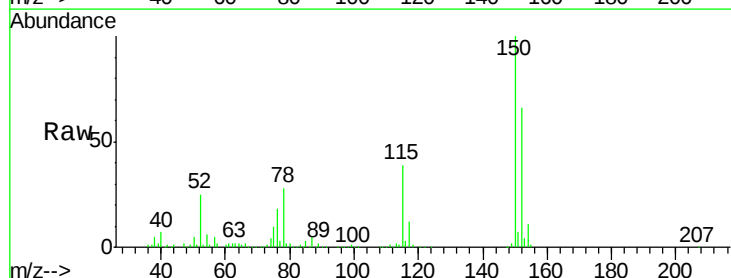
Tgt Ion:152 Resp: 42363

Ion Ratio Lower Upper

152 100

115 60.4 31.4 94.2

150 157.7 0.0 407.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

