

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY071420\
 Data File : VY003194.D
 Acq On : 14 Jul 2020 14:33
 Operator : SY/MD
 Sample : L3289-06
 Misc : 8.38G/5ML/MSVOA Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 IRON-2

Quant Time: Jul 15 04:14:08 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	392998	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	590755	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	522405	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	227380	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	189841	57.23	ug/l	0.00
Spiked Amount			Recovery	=	114.46%	
35) Dibromofluoromethane	7.72	113	185588	54.59	ug/l	0.00
Spiked Amount			Recovery	=	109.18%	
50) Toluene-d8	10.18	98	712547	56.38	ug/l	0.00
Spiked Amount			Recovery	=	112.76%	
62) 4-Bromofluorobenzene	12.48	95	212884	46.62	ug/l	0.00
Spiked Amount			Recovery	=	93.24%	

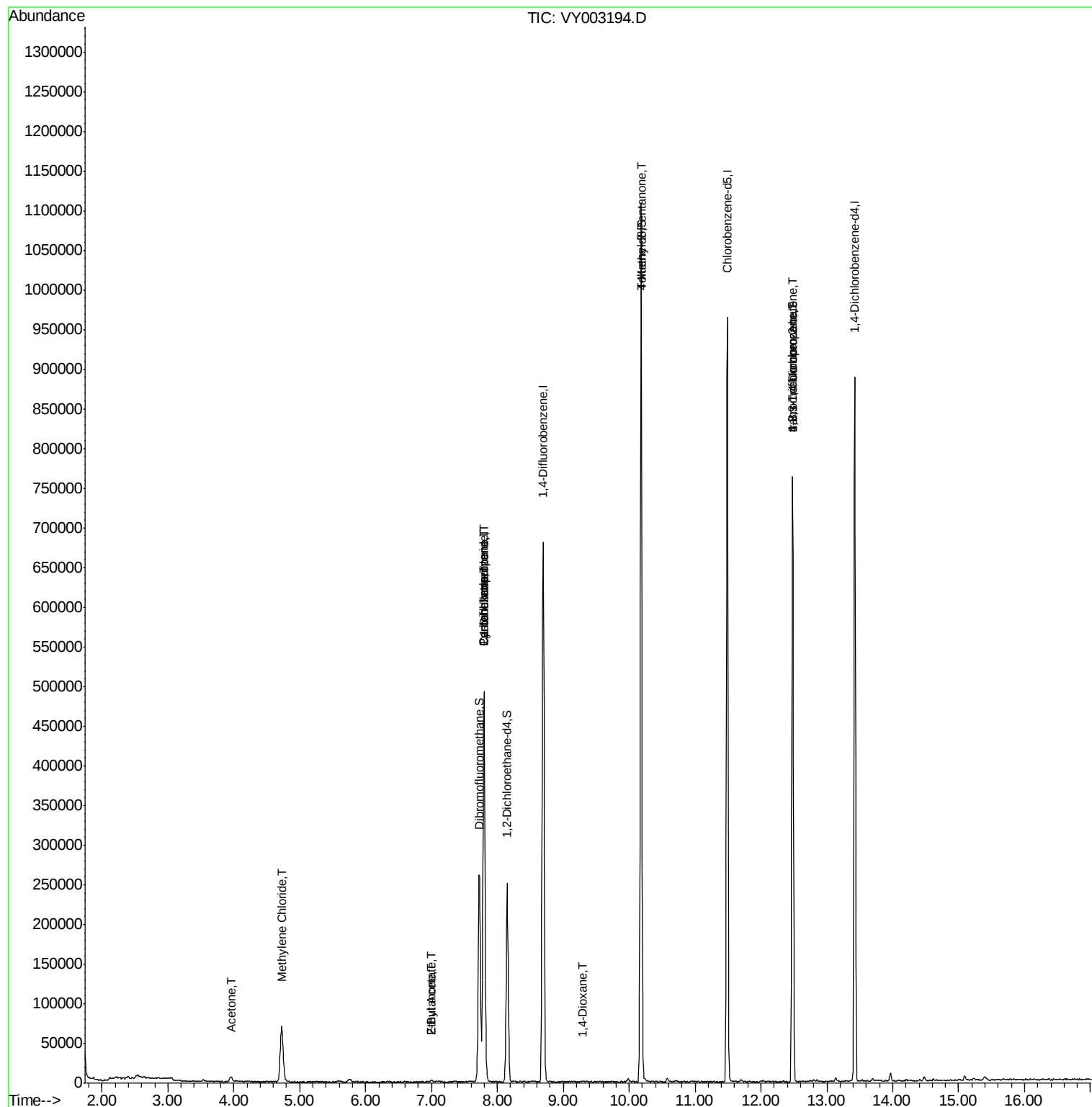
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.96	43	11497	15.517	ug/l	94
20) Methylene Chloride	4.72	84	54273	10.182	ug/l	97
25) 2-Butanone	6.99	43	3808	3.130	ug/l #	88
31) Cyclohexane	7.80	56	7172	1.189	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	26332	4.918	ug/l #	49
37) Ethyl Acetate	6.99	43	3808	1.321	ug/l #	68
38) Carbon Tetrachloride	7.80	117	34686	6.275	ug/l #	16
49) 1,4-Dioxane	9.30	88	370	13.085	ug/l #	50
51) 4-Methyl-2-Pentanone	10.17	43	3506	1.209	ug/l #	1
76) 1,2,3-Trichloropropane	12.48	75	109309	54.310	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	109309	105.697	ug/l #	13

(#) = 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# 994

Delta R.T. 0.00 min

Lab File: VY003194.D

Acq: 14 Jul 2020 14:33

Instrument :

MSVOA_Y

ClientSampleId :

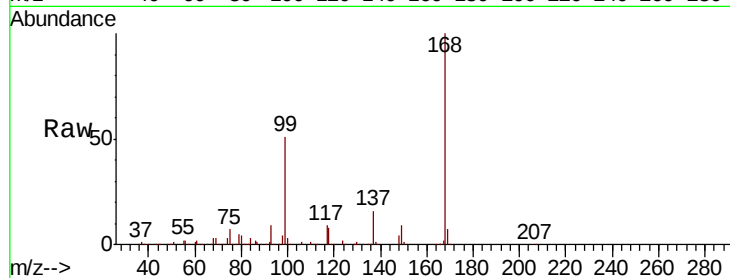
IRON-2

Tot Ion:168 Resp: 392998

Ion Ratio Lower Upper

168 100

99 51.3 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

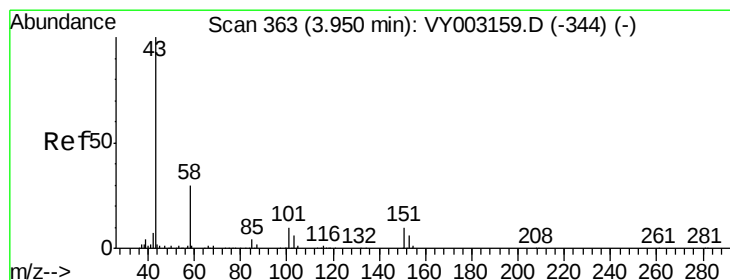
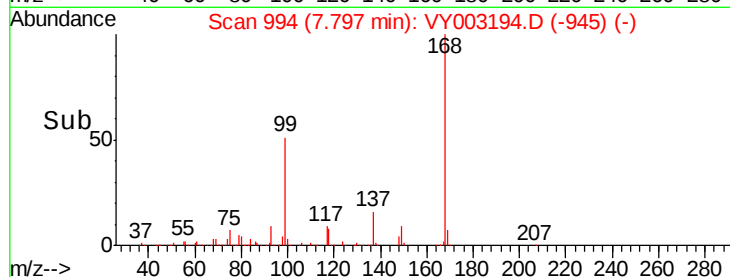
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 15.517 ug/l

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VY003194.D

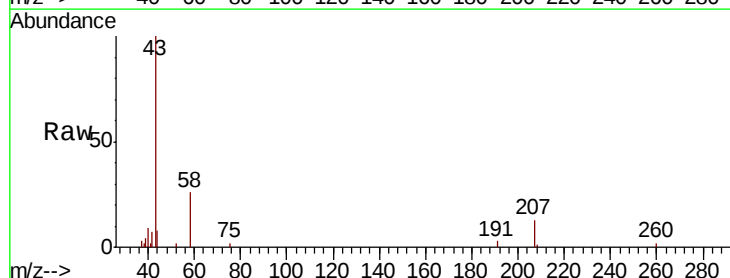
Acq: 14 Jul 2020 14:33

Tgt Ion: 43 Resp: 11497

Ion Ratio Lower Upper

43 100

58 26.4 23.8 35.6



Abundance Ion 43.00 (42.70 to 43.70): VY003159.D (-344) (-)

Ion 58.00 (57.70 to 58.70): VY003159.D (-344) (-)

3.96

4000

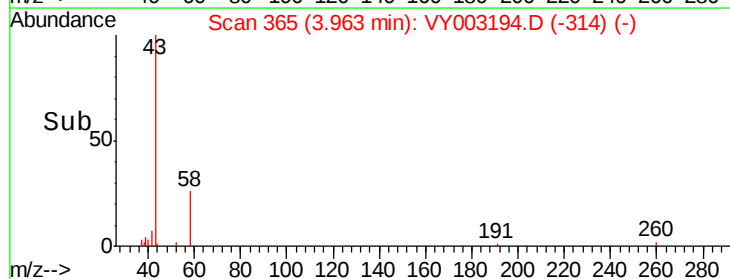
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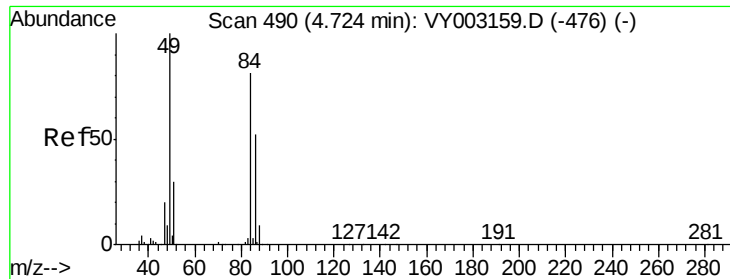
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1000

0

Time-->

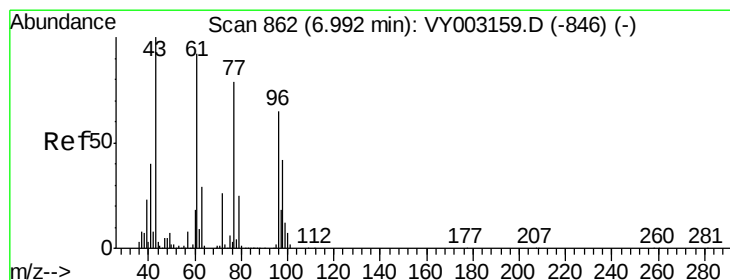
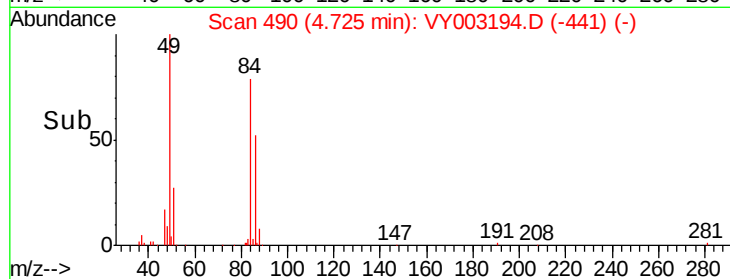
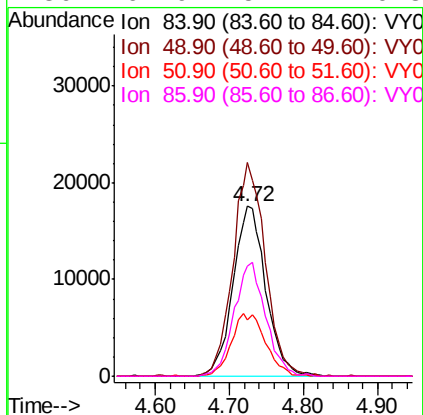
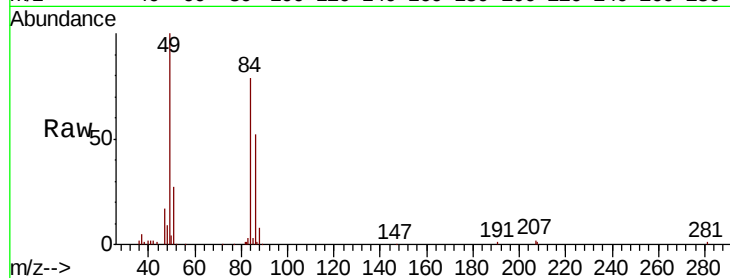




#20
Methvlene Chloride
Concen: 10.182 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.00 min
Lab File: VY003194.D
Acq: 14 Jul 2020 14:33

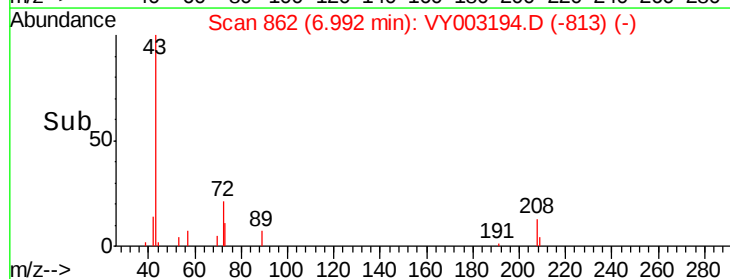
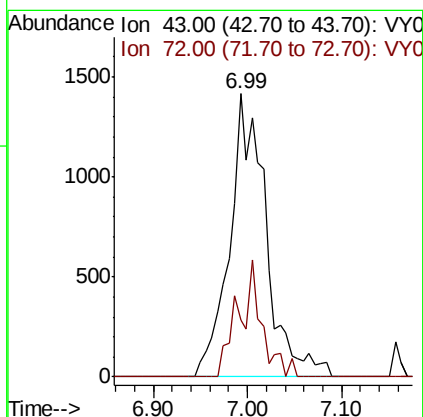
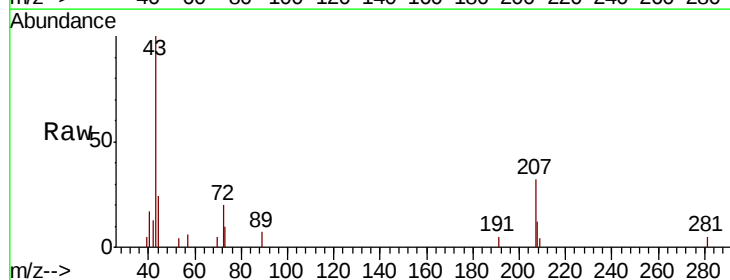
Instrument :
MSVOA_Y
ClientSampleId :
IRON-2

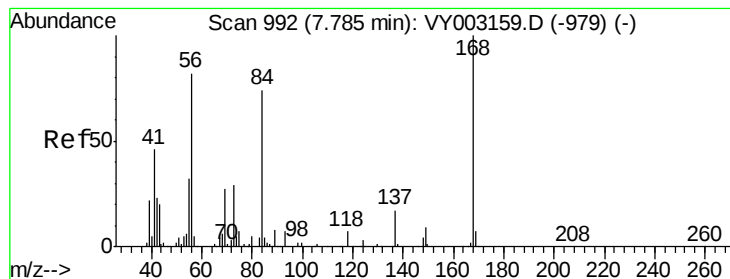
Tot Ion: 84 Resp: 54273
Ion Ratio Lower Upper
84 100
49 125.8 98.2 147.4
51 33.5 29.8 44.6
86 64.9 51.2 76.8



#25
2-Butanone
Concen: 3.130 ug/l
RT: 6.99 min Scan# 862
Delta R.T. 0.00 min
Lab File: VY003194.D
Acq: 14 Jul 2020 14:33

Tgt Ion: 43 Resp: 3808
Ion Ratio Lower Upper
43 100
72 20.1 20.9 31.3#





#31

Cyclohexane

Concen: 1.189 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.01 min

Lab File: VY003194.D

Acq: 14 Jul 2020 14:33

Instrument :

MSVOA_Y

ClientSampleId :

IRON-2

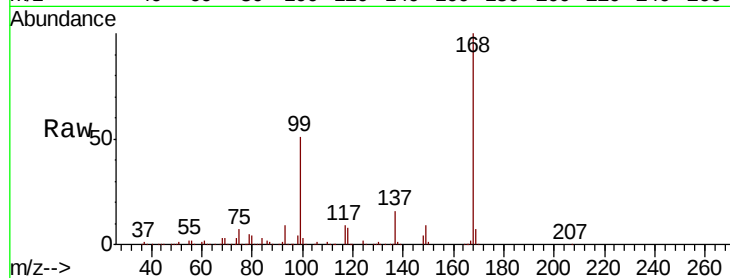
Tot Ion: 56 Resp: 7172

Ion Ratio Lower Upper

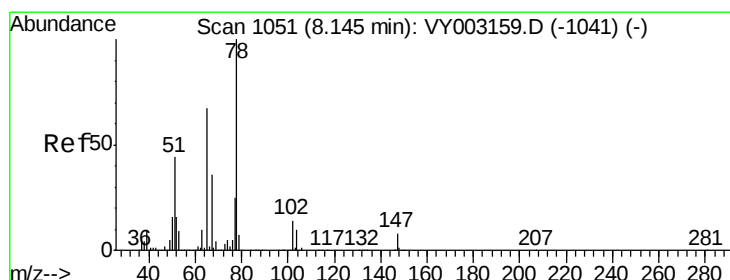
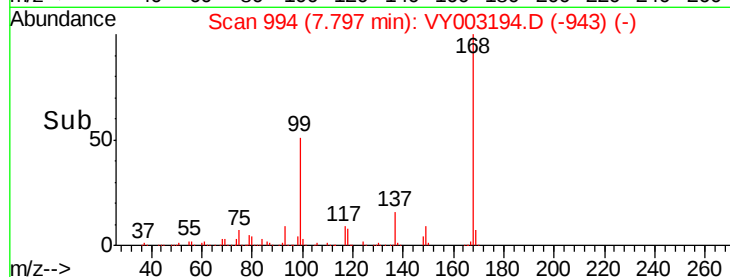
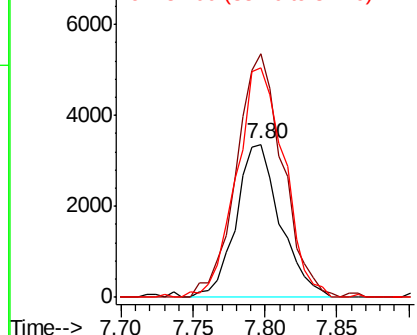
56 100

69 159.2 26.7 40.1#

84 150.2 72.3 108.5#



Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0



#33

1,2-Dichloroethane-d4

Concen: 57.232 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. 0.01 min

Lab File: VY003194.D

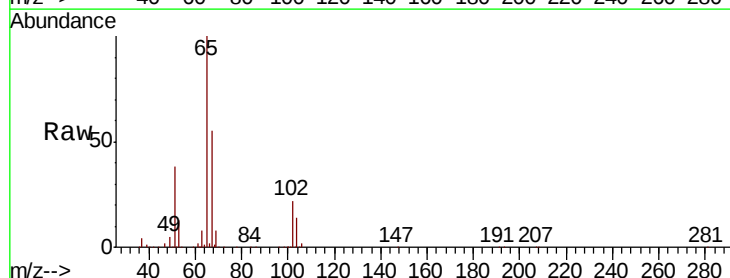
Acq: 14 Jul 2020 14:33

Tgt Ion: 65 Resp: 189841

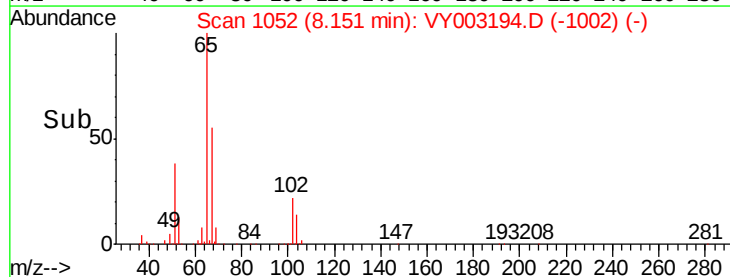
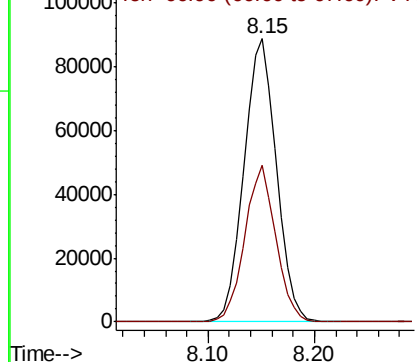
Ion Ratio Lower Upper

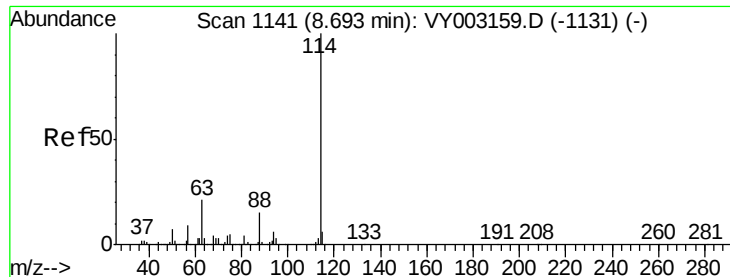
65 100

67 53.1 0.0 105.2



Abundance Ion 64.90 (64.60 to 65.60): VY0
Ion 66.90 (66.60 to 67.60): VY0

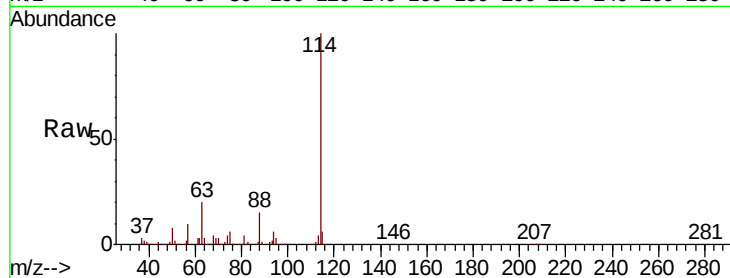




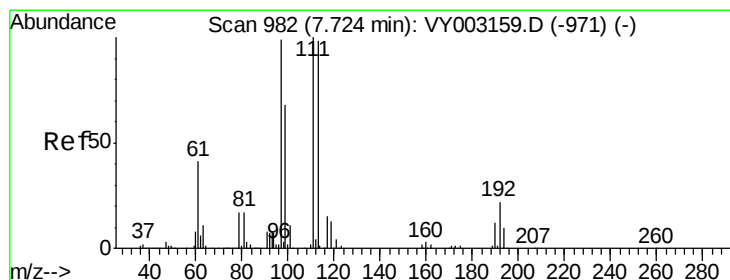
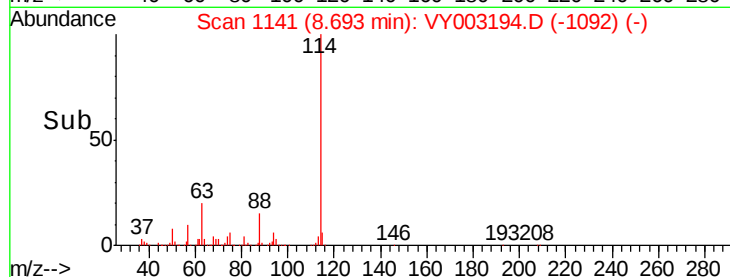
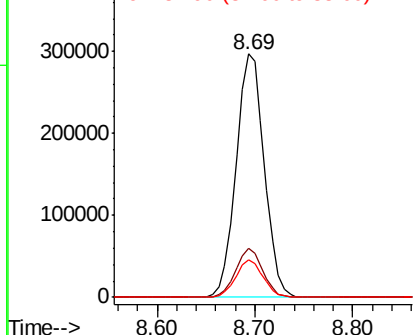
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. 0.00 min
 Lab File: VY003194.D
 Acq: 14 Jul 2020 14:33

Instrument :
 MSVOA_Y
 ClientSampleId :
 IRON-2

Tot Ion:114	Resp:	590755
Ion Ratio	Lower	Upper
114	100	
63	20.0	0.0 41.2
88	15.3	0.0 30.2

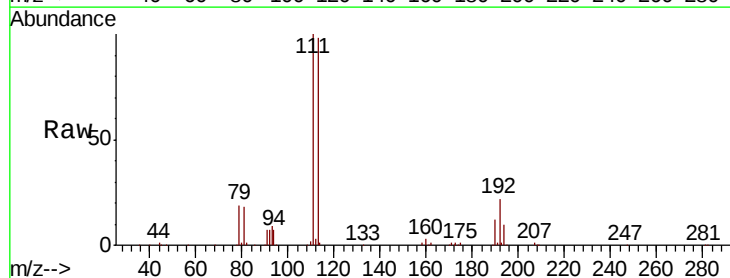


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VY0
 Ion 87.90 (87.60 to 88.60): VY0

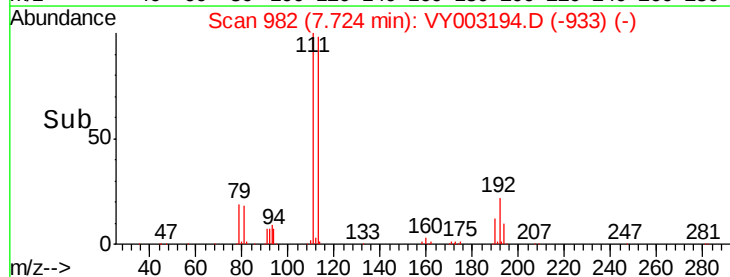
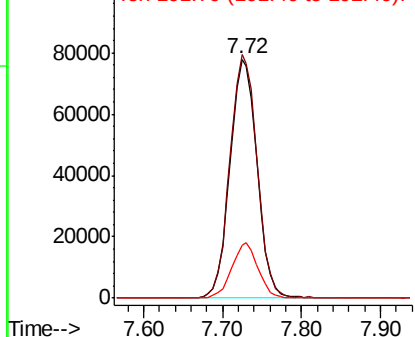


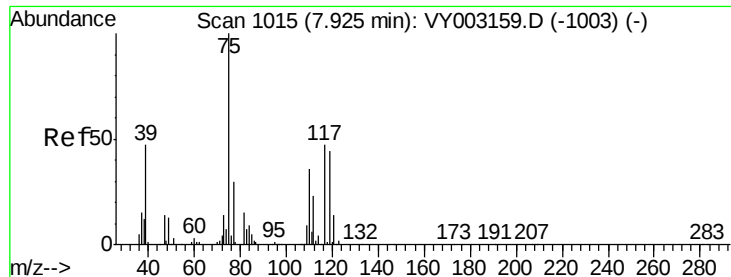
#35
 Dibromofluoromethane
 Concen: 54.590 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. 0.00 min
 Lab File: VY003194.D
 Acq: 14 Jul 2020 14:33

Tgt Ion:113	Resp:	185588
Ion Ratio	Lower	Upper
113	100	
111	102.1	82.1 123.1
192	22.5	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

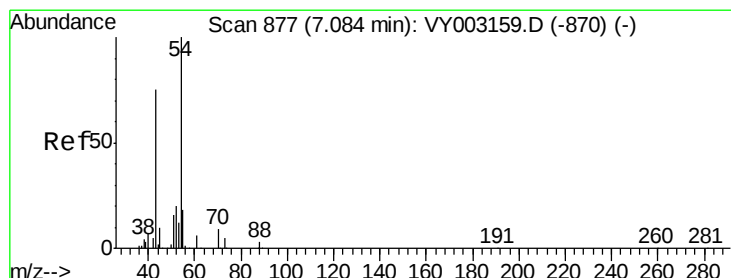
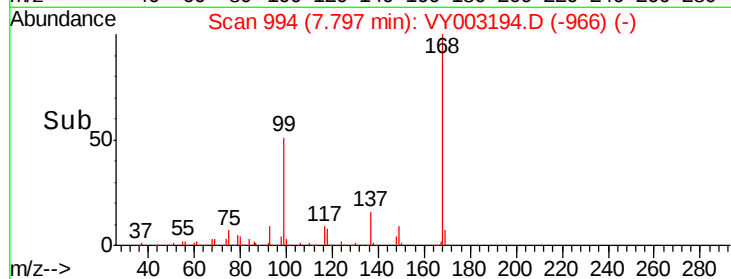
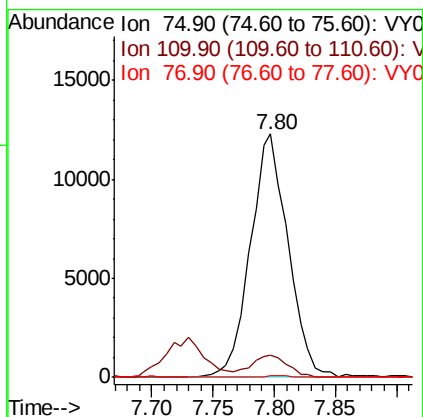
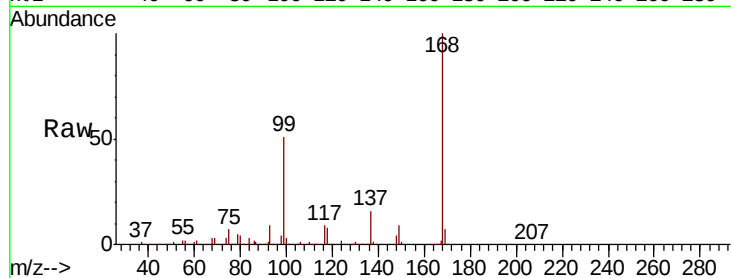




#36
 1,1-Dichloropropene
 Concen: 4.918 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY003194.D
 Acq: 14 Jul 2020 14:33

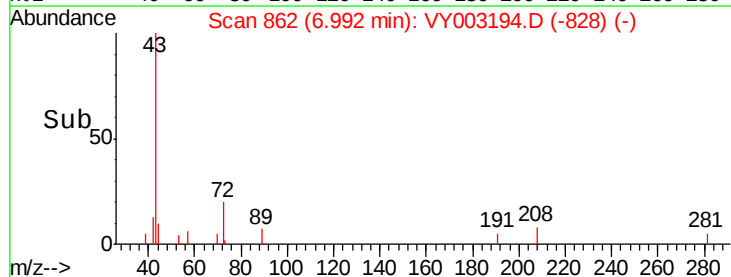
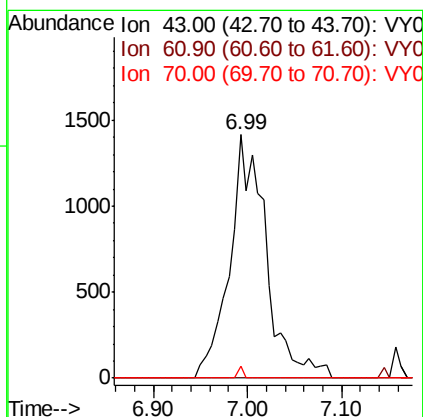
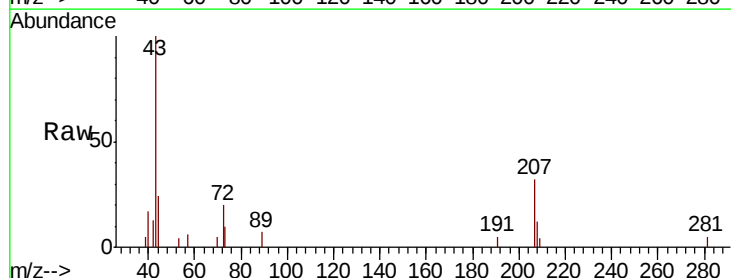
Instrument :
 MSVOA_Y
 ClientSampleId :
 IRON-2

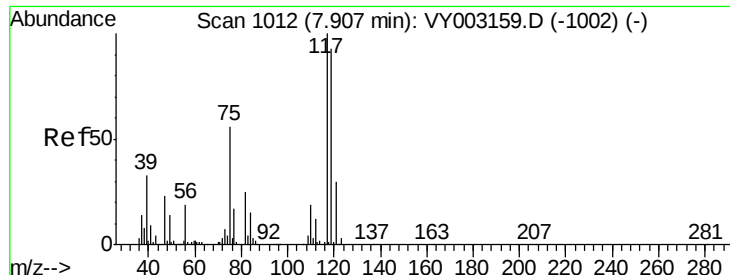
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.9	18.1	54.1#
77	0.3	24.8	37.2#



#37
 Ethyl Acetate
 Concen: 1.321 ug/l
 RT: 6.99 min Scan# 862
 Delta R.T. -0.09 min
 Lab File: VY003194.D
 Acq: 14 Jul 2020 14:33

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.8	17.6#
70	0.7	8.6	13.0#





#38

Carbon Tetrachloride

Concen: 6.275 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.11 min

Lab File: VY003194.D

Acq: 14 Jul 2020 14:33

Instrument :

MSVOA_Y

ClientSampleId :

IRON-2

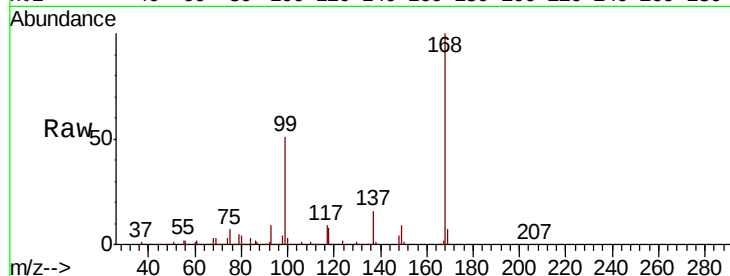
Tot Ion:117 Resp: 34686

Ion Ratio Lower Upper

117 100

119 3.7 74.5 111.7#

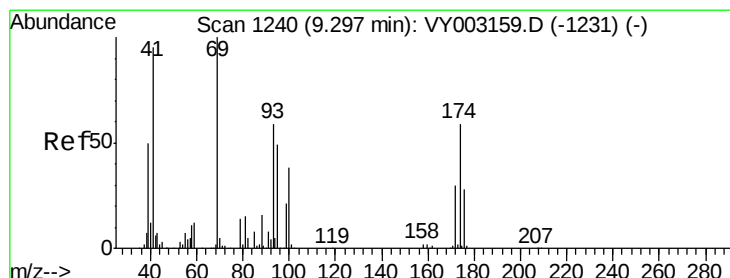
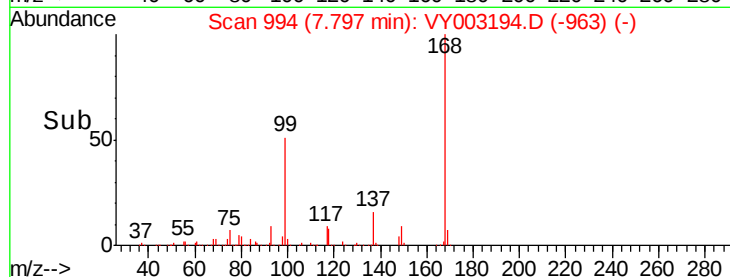
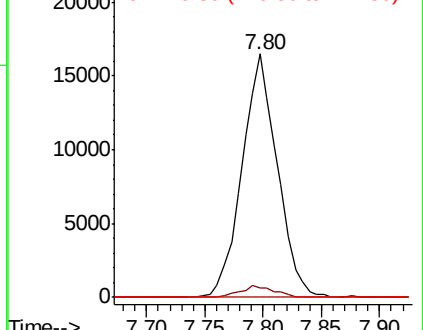
121 0.0 24.2 36.2#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#49

1,4-Dioxane

Concen: 13.085 ug/l

RT: 9.30 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VY003194.D

Acq: 14 Jul 2020 14:33

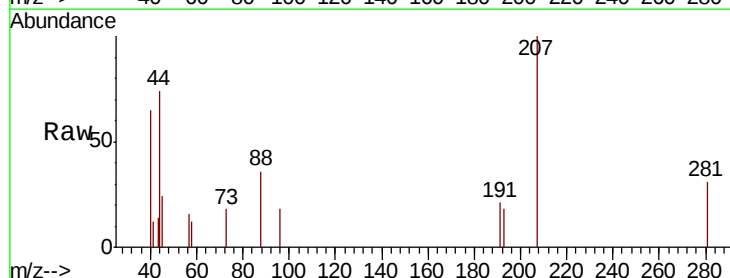
Tgt Ion: 88 Resp: 370

Ion Ratio Lower Upper

88 100

43 0.0 25.6 38.4#

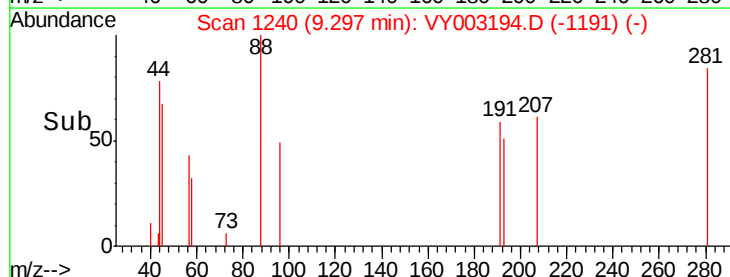
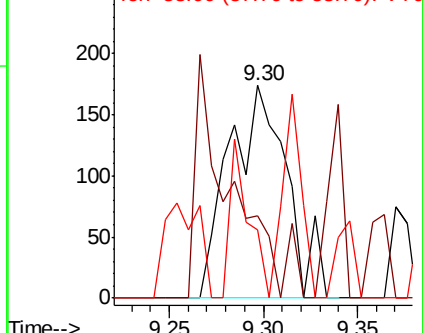
58 24.6 47.8 71.6#

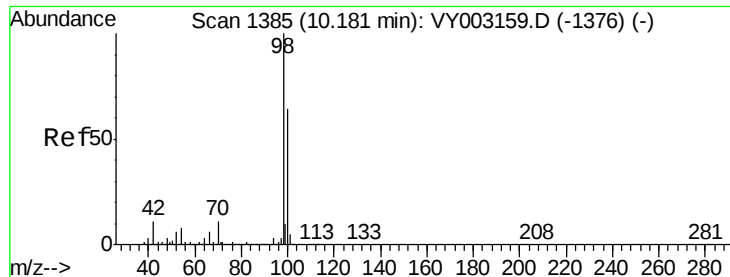


Abundance Ion 88.00 (87.70 to 88.70): VY0

Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0





#50

Toluene-d8

Concen: 56.375 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY003194.D

Acq: 14 Jul 2020 14:33

Instrument :

MSVOA_Y

ClientSampleId :

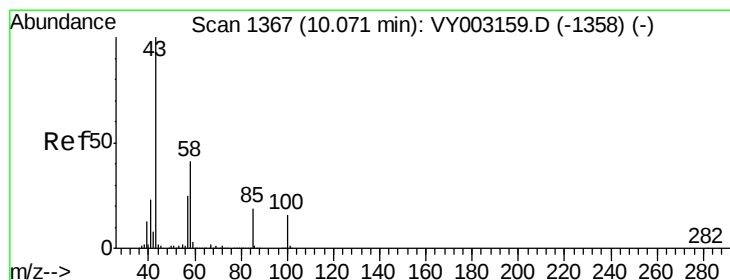
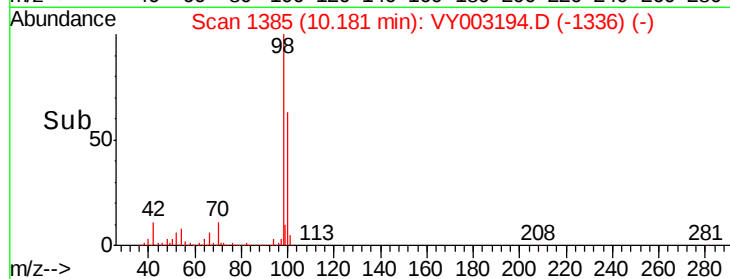
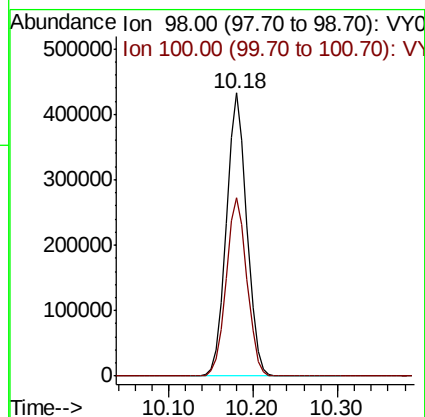
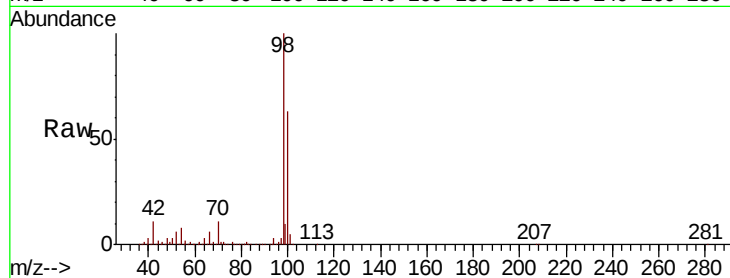
IRON-2

Tot Ion: 98 Resp: 712547

Ion Ratio Lower Upper

98 100

100 64.0 50.7 76.1



#51

4-Methyl-2-Pentanone

Concen: 1.209 ug/l

RT: 10.17 min Scan# 1384

Delta R.T. 0.10 min

Lab File: VY003194.D

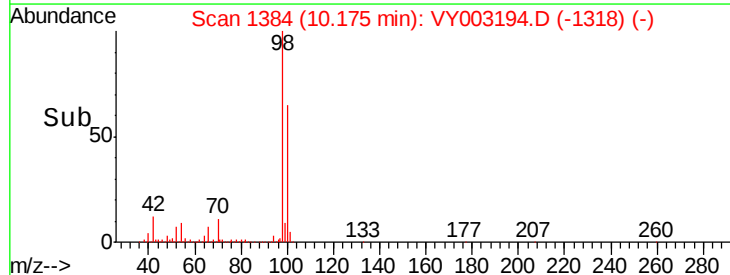
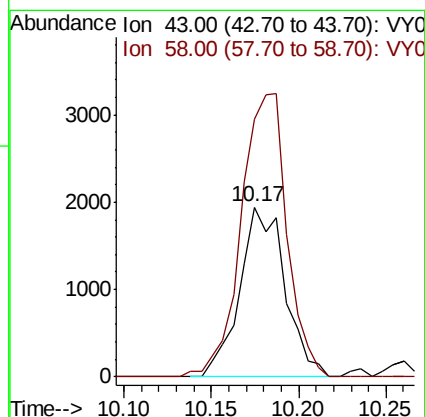
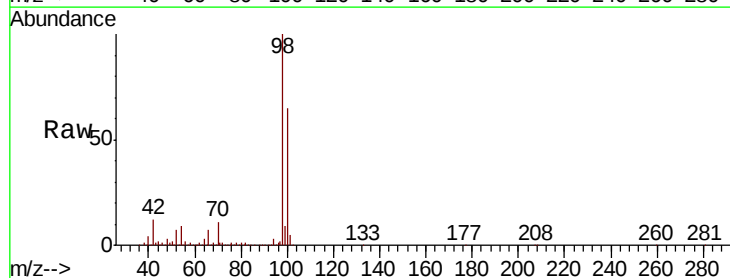
Acq: 14 Jul 2020 14:33

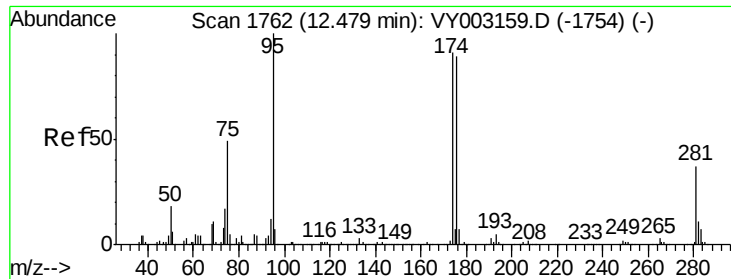
Tgt Ion: 43 Resp: 3506

Ion Ratio Lower Upper

43 100

58 168.7 32.7 49.1#

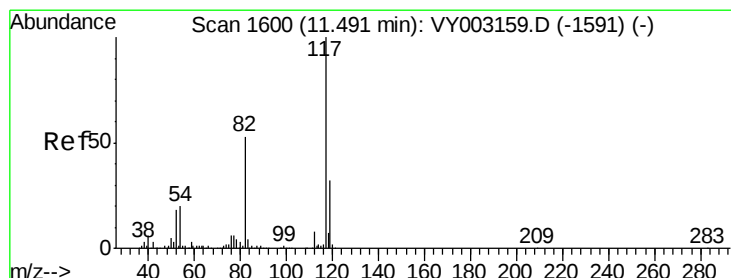
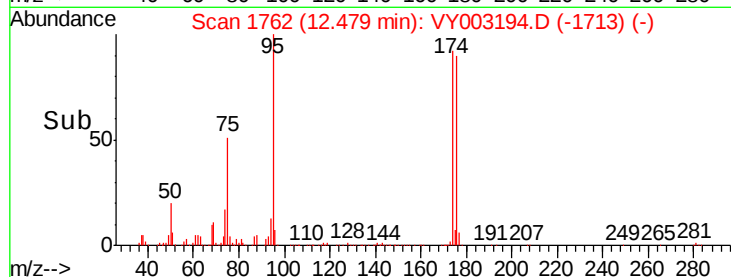
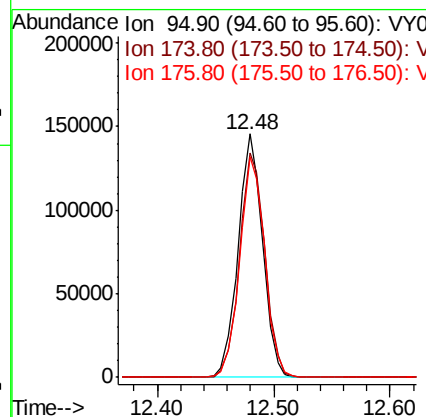
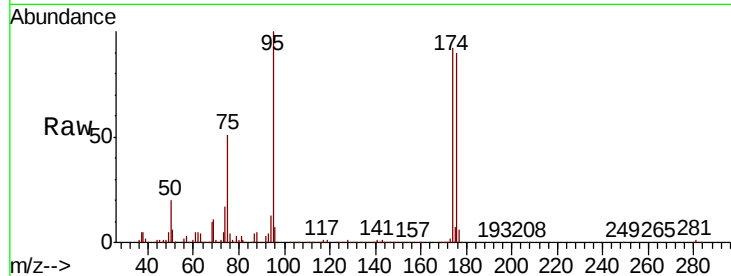




#62
4-Bromofluorobenzene
Concen: 46.623 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. 0.00 min
Lab File: VY003194.D
Acq: 14 Jul 2020 14:33

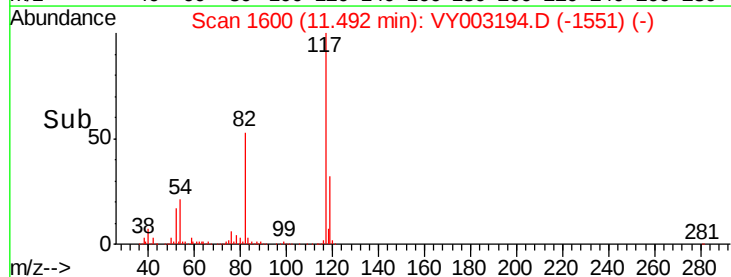
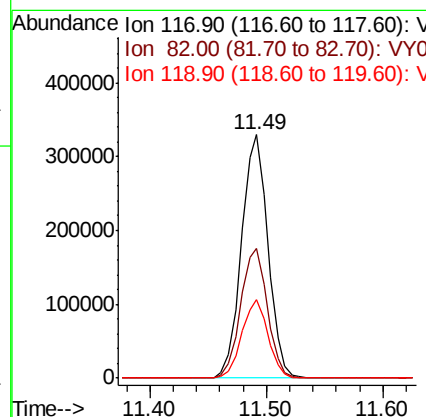
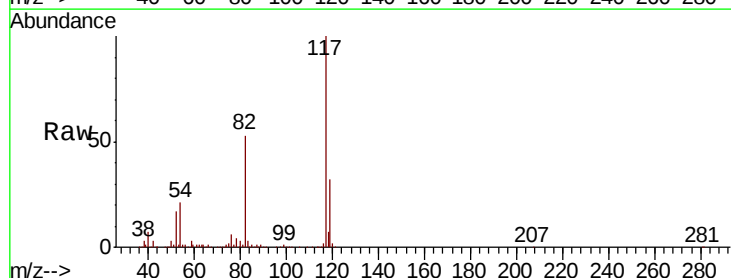
Instrument :
MSVOA_Y
ClientSampleId :
IRON-2

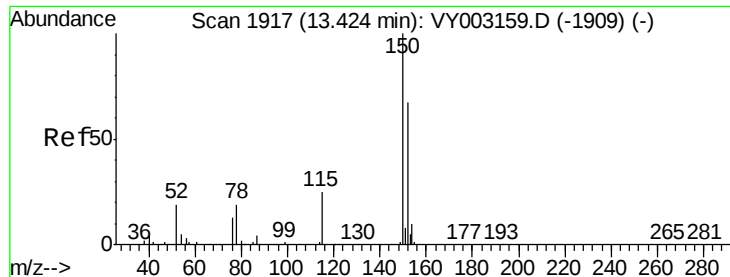
Tot Ion	Ratio	Lower	Upper
95	100		
174	95.4	0.0	190.6
176	92.6	0.0	186.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VY003194.D
Acq: 14 Jul 2020 14:33

Tgt Ion	Ratio	Lower	Upper
117	100		
82	53.1	42.0	63.0
119	32.4	25.5	38.3



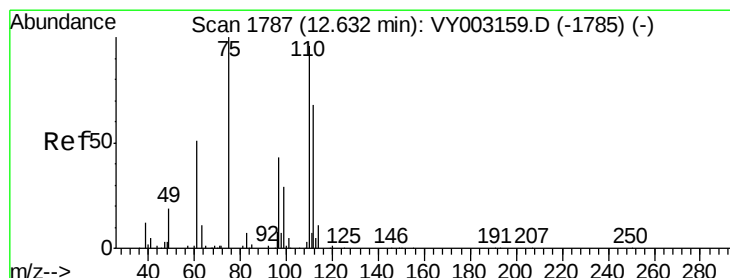
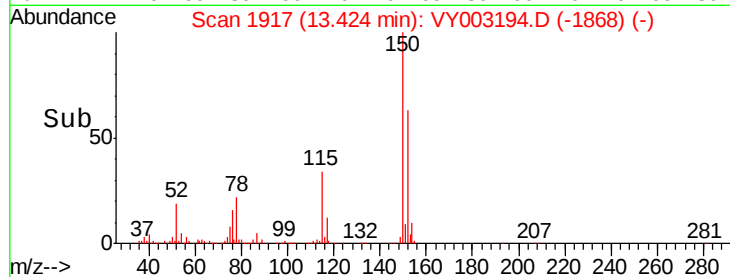
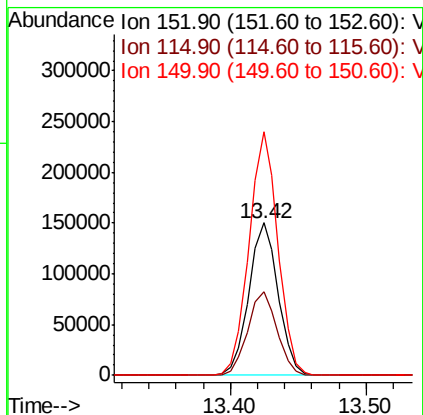
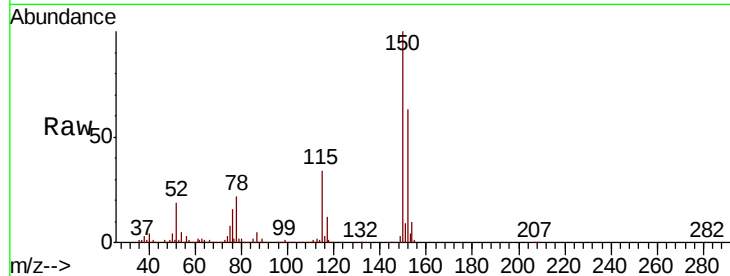


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. 0.00 min
Lab File: VY003194.D
Acq: 14 Jul 2020 14:33

Instrument :
MSVOA_Y
ClientSampleId :
IRON-2

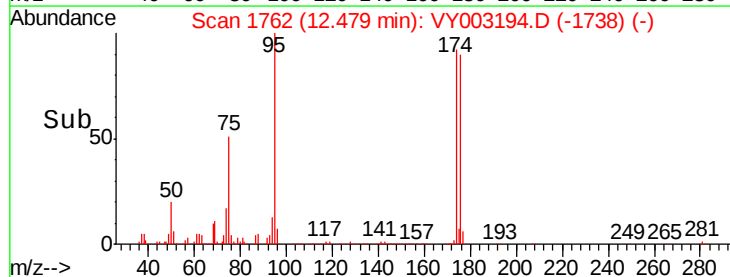
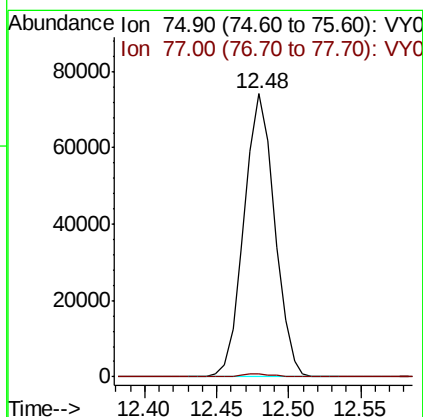
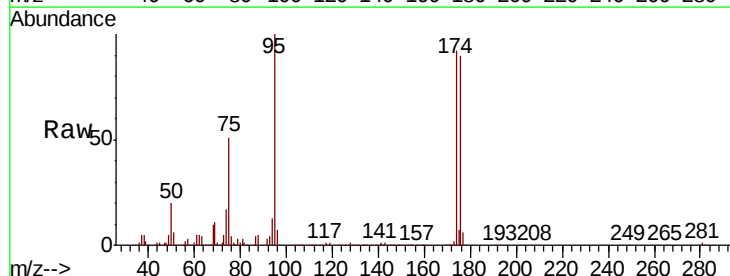
Tot Ion:152 Resp: 227380
Ion Ratio Lower Upper
152 100
115 54.8 26.9 80.7
150 156.4 0.0 338.0

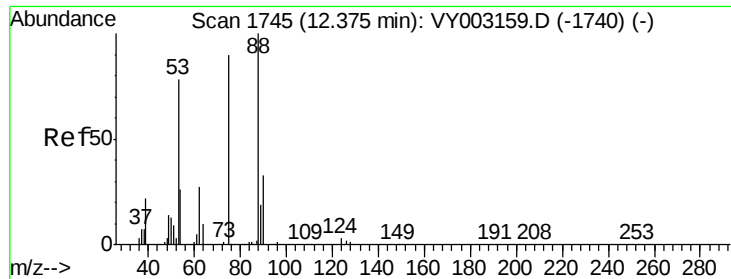


#76

1,2,3-Trichloropropane
Concen: 54.310 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.15 min
Lab File: VY003194.D
Acq: 14 Jul 2020 14:33

Tgt Ion: 75 Resp: 109309
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 105.697 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY003194.D

Acq: 14 Jul 2020 14:33

Instrument :

MSVOA_Y

ClientSampleId :

IRON-2

Tot Ion: 75 Resp: 109309

Ion Ratio Lower Upper

75 100

53 0.1 72.0 108.0#

89 0.0 37.3 55.9#

