

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY051320\
 Data File : VY002688.D
 Acq On : 13 May 2020 16:31
 Operator : SY/MD
 Sample : L2638-04
 Misc : 13.05G/5ML/MSVOA Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: May 14 02:57:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y043020S.M
 Quant Title : SW846 8260
 QLast Update : Mon May 04 12:22:08 2020
 Response via : Initial Calibration

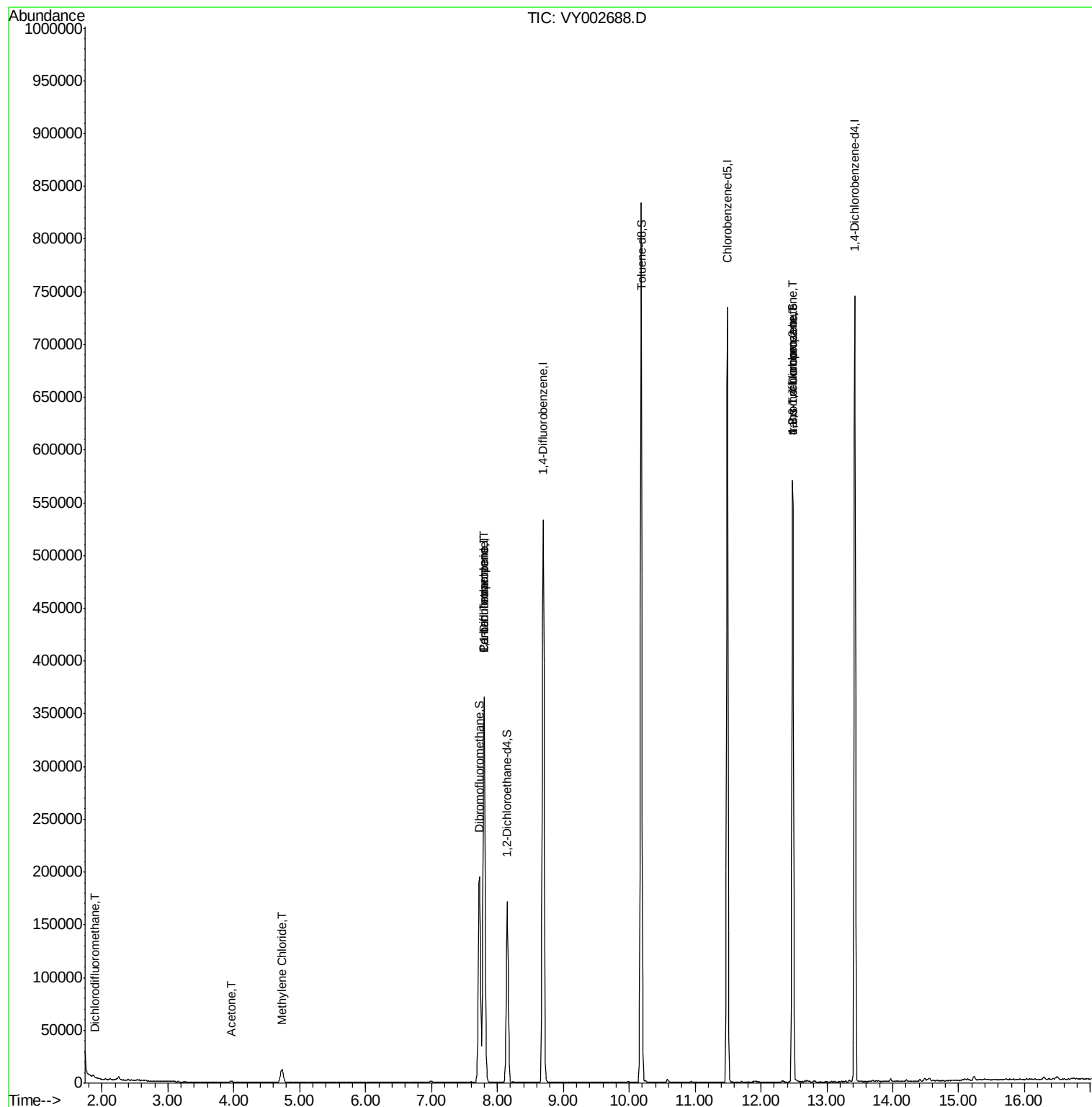
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	310924	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.69	114	486424	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.49	117	422755	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	201338	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	129241	49.44	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	98.88%	
35) Dibromofluoromethane	7.73	113	141216	50.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.52%	
50) Toluene-d8	10.18	98	565594	52.06	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	104.12%	
62) 4-Bromofluorobenzene	12.48	95	173977	47.20	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	94.40%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.90	85	101	1.822	ug/l #	43
16) Acetone	3.96	43	2118	3.926	ug/l #	82
20) Methylene Chloride	4.73	84	10217	3.386	ug/l	87
36) 1,1-Dichloropropene	7.80	75	19256	4.722	ug/l #	49
38) Carbon Tetrachloride	7.80	117	28125	6.318	ug/l #	16
76) 1,2,3-Trichloropropane	12.48	75	83133	46.463	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	83133	93.168	ug/l #	15

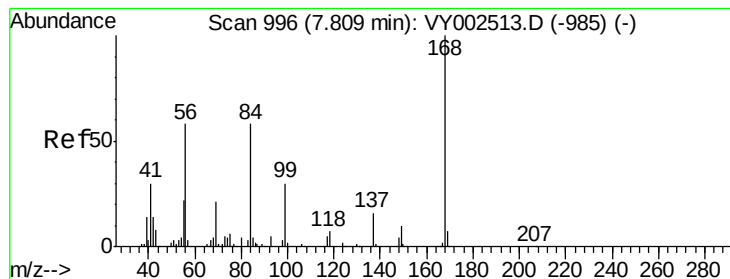
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.01 min

Lab File: VY002688.D

Acq: 13 May 2020 16:31

Instrument :

MSVOA_Y

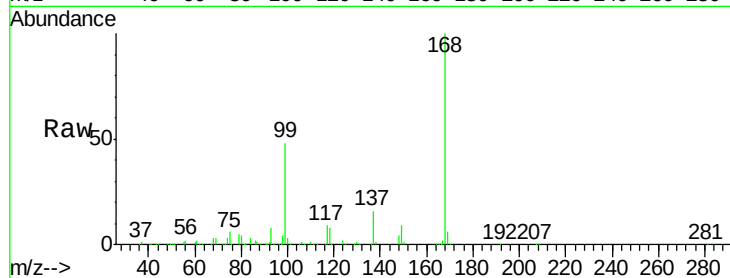
ClientSampled :

Tot Ion:168 Resp: 310924

Ion Ratio Lower Upper

168 100

99 47.9 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): VY002513.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY002513.D (-985) (-)

7.80

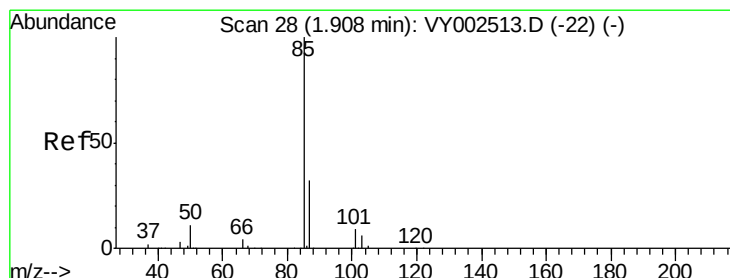
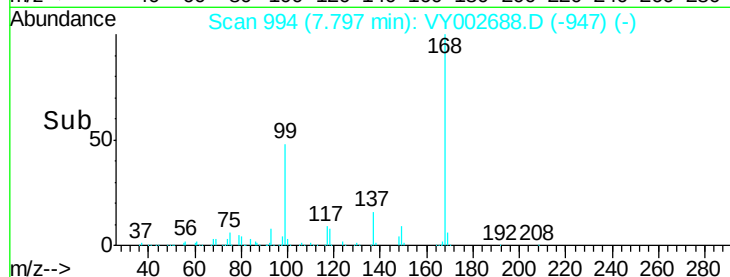
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 1.822 ug/l

RT: 1.90 min Scan# 27

Delta R.T. -0.01 min

Lab File: VY002688.D

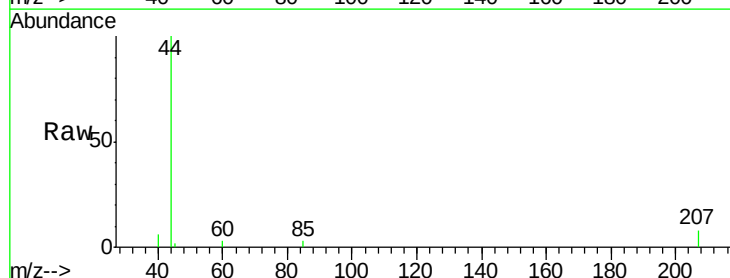
Acq: 13 May 2020 16:31

Tgt Ion: 85 Resp: 101

Ion Ratio Lower Upper

85 100

87 0.0 15.8 47.4#



Abundance Ion 84.90 (84.60 to 85.60): VY002513.D (-22) (-)

Ion 86.90 (86.60 to 87.60): VY002513.D (-22) (-)

1.90

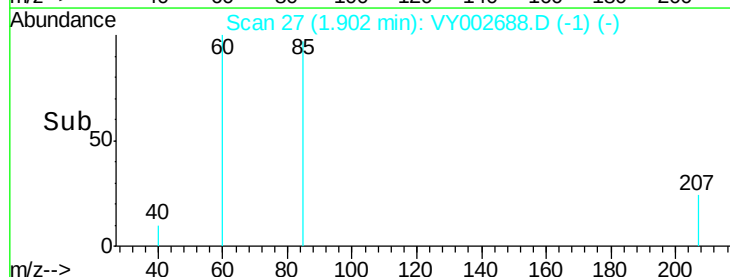
150

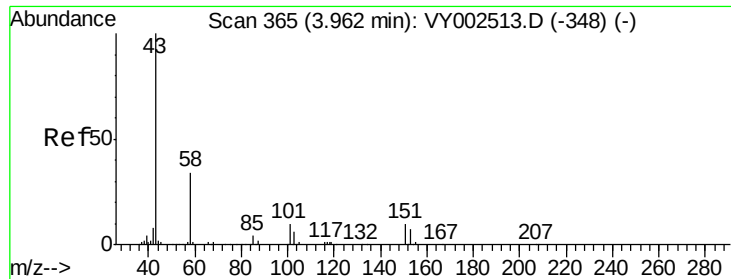
100

50

0

Time-->





#16

Acetone

Concen: 3.926 ug/l

RT: 3.96 min Scan# 364

Delta R.T. -0.01 min

Lab File: VY002688.D

Acq: 13 May 2020 16:31

Instrument :

MSVOA_Y

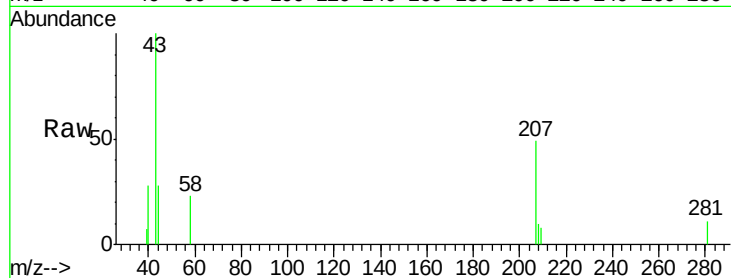
ClientSampleId :

Tot Ion: 43 Resp: 2118

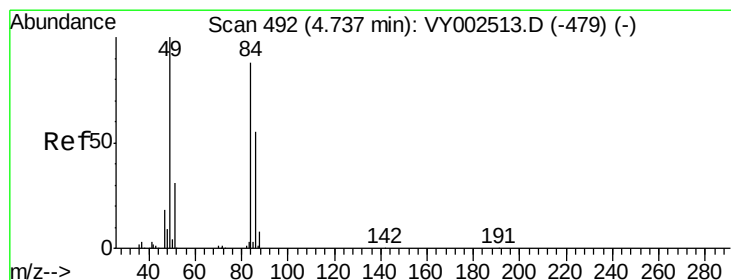
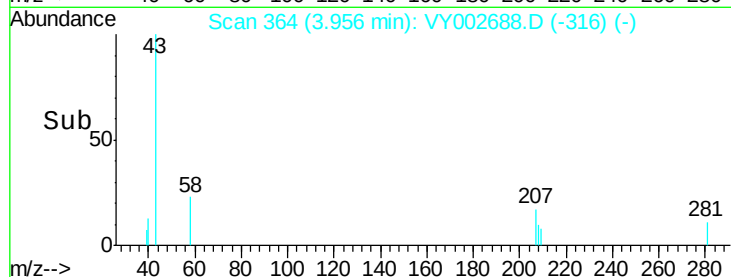
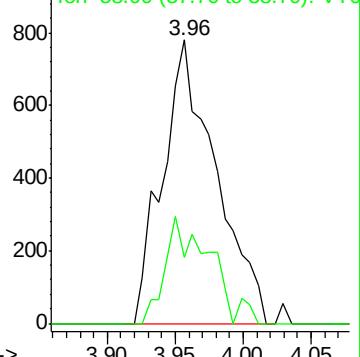
Ion Ratio Lower Upper

43 100

58 23.2 26.9 40.3#



Abundance Ion 43.00 (42.70 to 43.70): VY002513.D (-348) (-)



#20

Methylene Chloride

Concen: 3.386 ug/l

RT: 4.73 min Scan# 491

Delta R.T. -0.01 min

Lab File: VY002688.D

Acq: 13 May 2020 16:31

Tgt Ion: 84 Resp: 10217

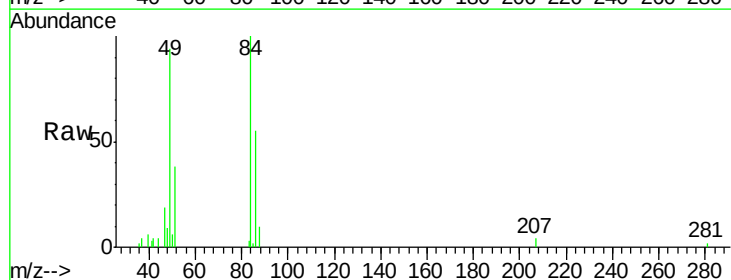
Ion Ratio Lower Upper

84 100

49 93.7 90.5 135.7

51 37.6 28.3 42.5

86 55.4 49.9 74.9

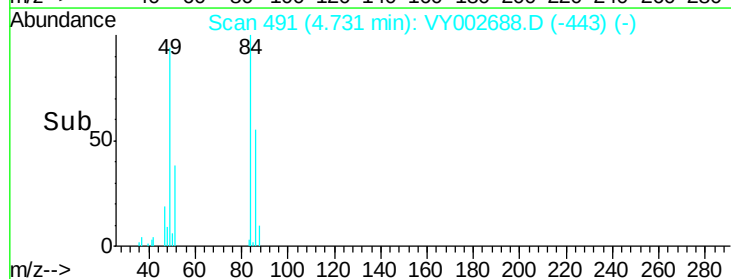
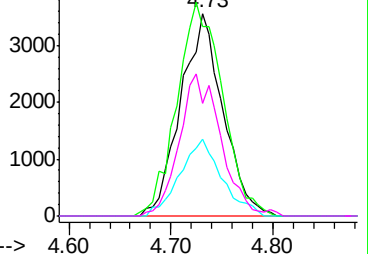


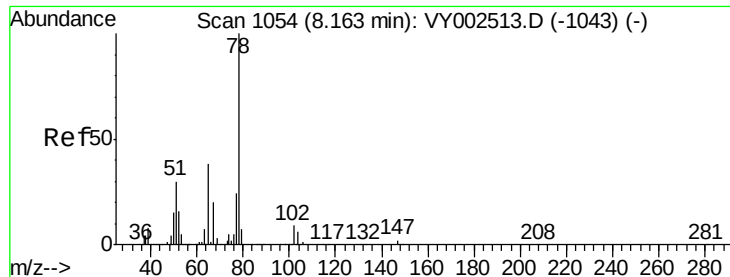
Abundance Ion 83.90 (83.60 to 84.60): VY002513.D (-479) (-)

Ion 48.90 (48.60 to 49.60): VY002513.D (-479) (-)

Ion 50.90 (50.60 to 51.60): VY002513.D (-479) (-)

Ion 85.90 (85.60 to 86.60): VY002513.D (-479) (-)

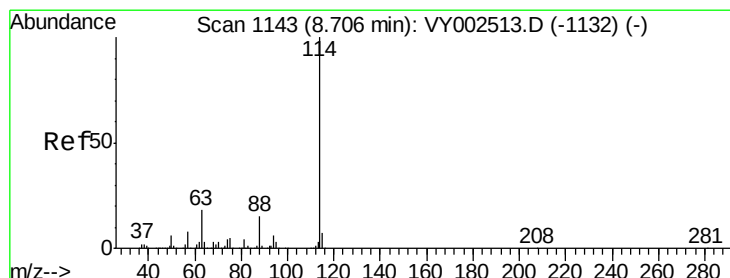
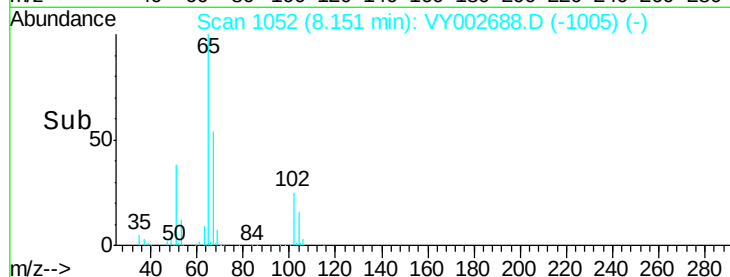
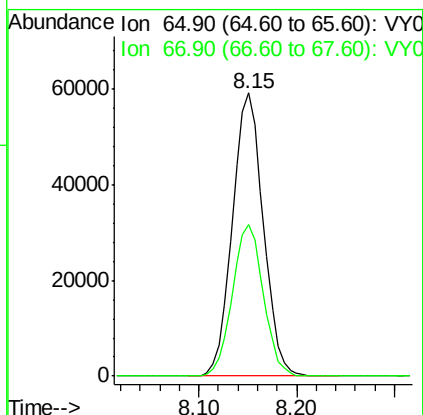
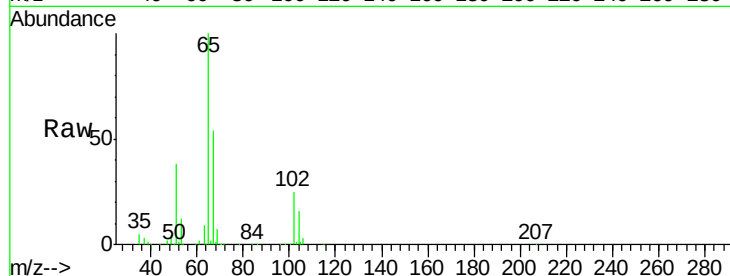




#33
 1,2-Dichloroethane-d4
 Concen: 49.436 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VY002688.D
 Acq: 13 May 2020 16:31

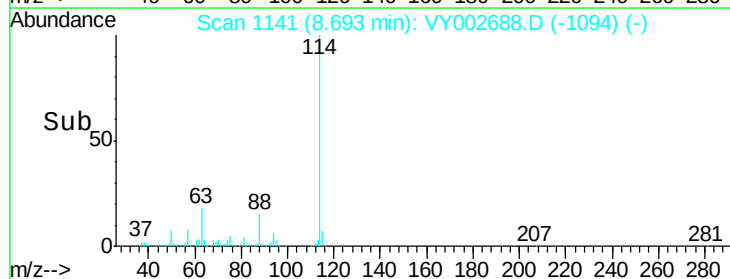
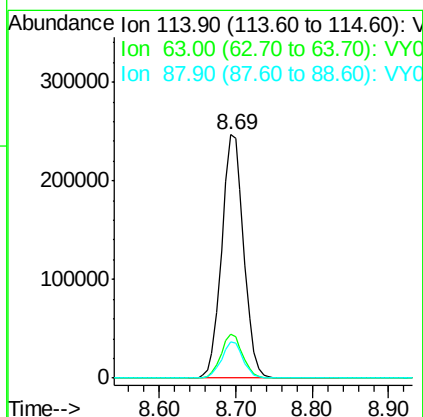
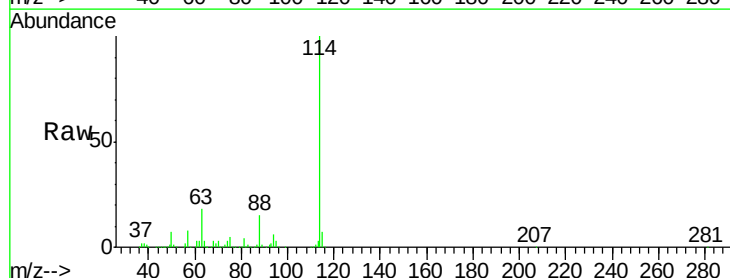
Instrument :
 MSVOA_Y
 ClientSampleId :

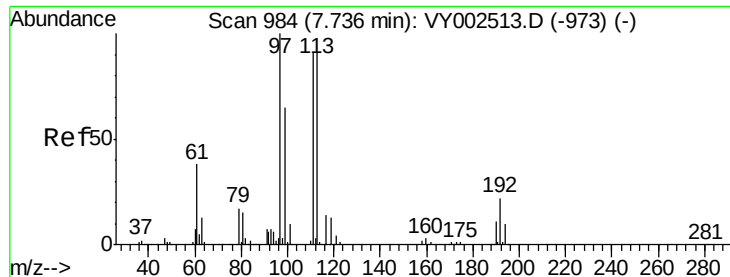
Tot Ion: 65 Resp: 129241
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.01 min
 Lab File: VY002688.D
 Acq: 13 May 2020 16:31

Tgt Ion: 114 Resp: 486424
 Ion Ratio Lower Upper
 114 100
 63 17.8 0.0 36.4
 88 15.1 0.0 29.6

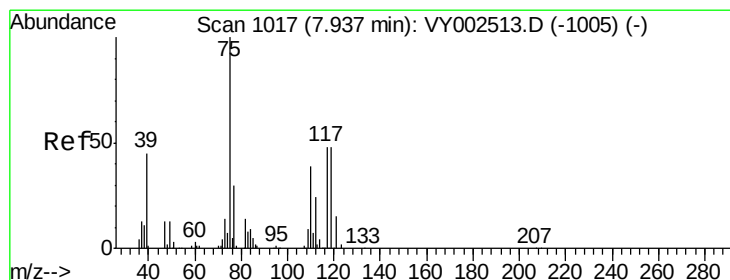
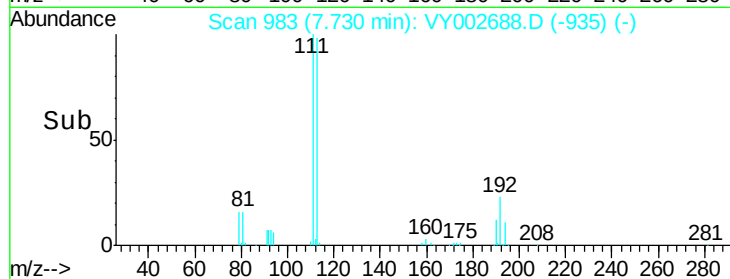
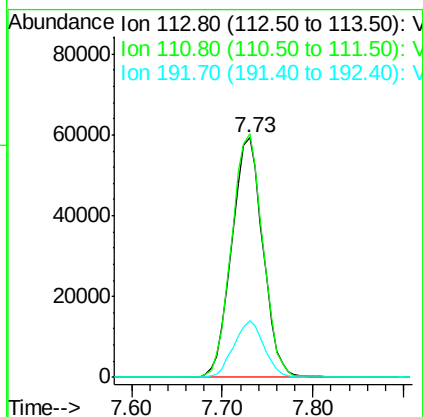
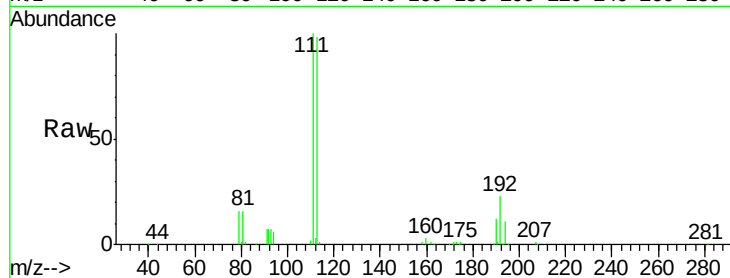




#35
 Dibromofluoromethane
 Concen: 50.763 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. -0.01 min
 Lab File: VY002688.D
 Acq: 13 May 2020 16:31

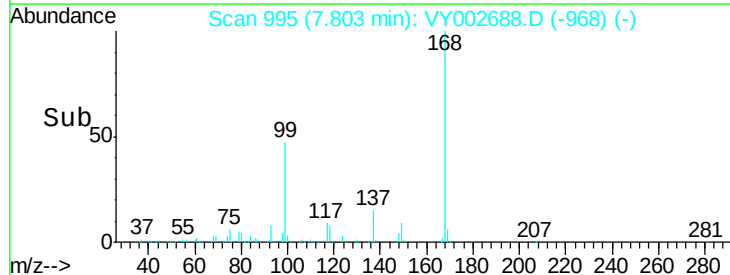
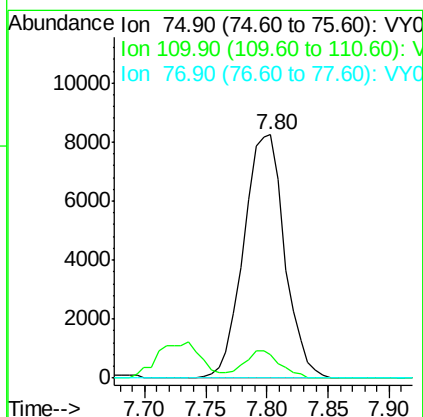
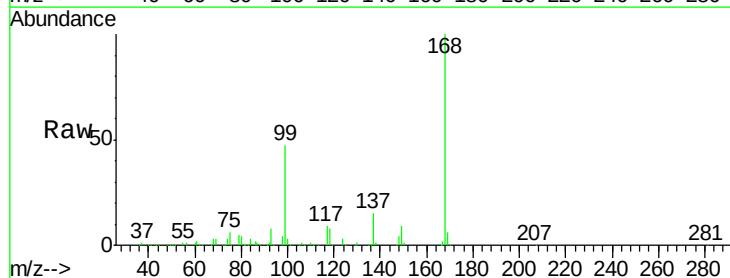
Instrument :
 MSVOA_Y
 ClientSampleId :

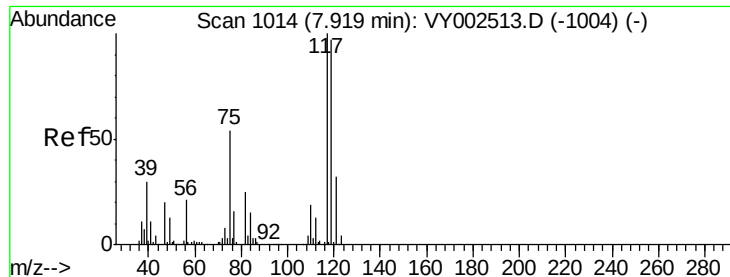
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.1	81.8	122.6
192	23.0	18.2	27.4



#36
 1,1-Dichloropropene
 Concen: 4.722 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.13 min
 Lab File: VY002688.D
 Acq: 13 May 2020 16:31

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.8	19.1	57.3#
77	0.0	24.6	37.0#





#38

Carbon Tetrachloride

Concen: 6.318 ug/l

RT: 7.80 min Scan# 994

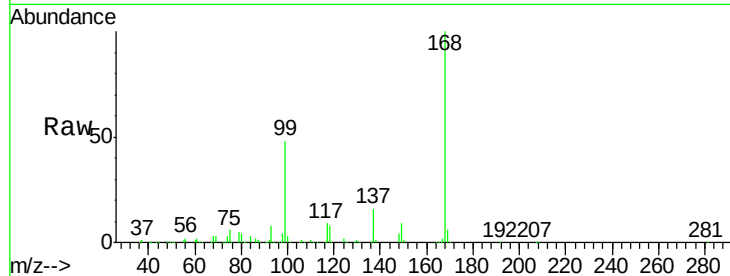
Delta R.T. -0.12 min

Lab File: VY002688.D

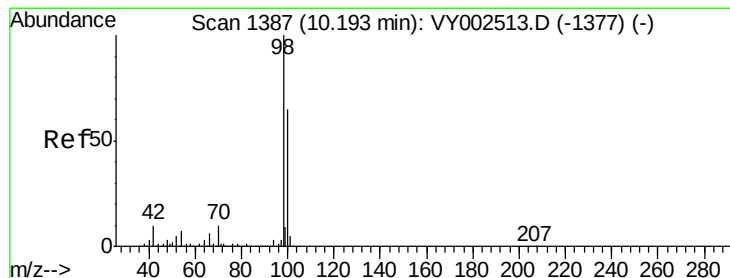
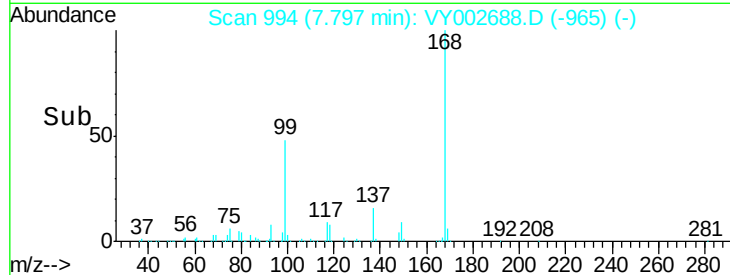
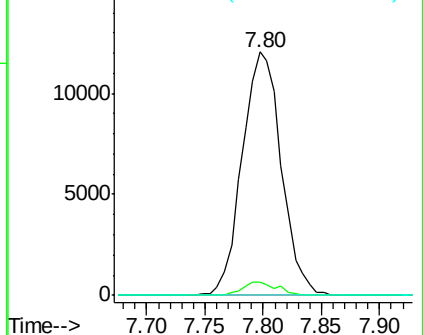
Acq: 13 May 2020 16:31

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:117 Resp: 28125
Ion Ratio Lower Upper
117 100
119 5.5 77.1 115.7#
121 0.0 25.2 37.8#



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



#50

Toluene-d8

Concen: 52.063 ug/l

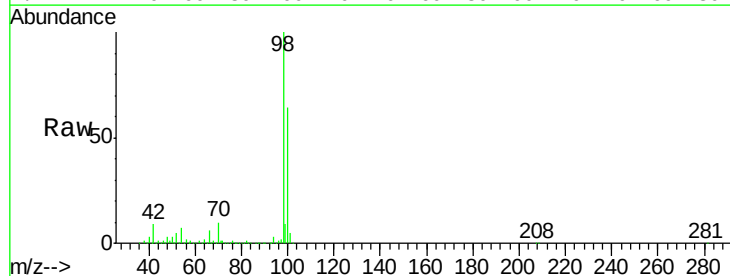
RT: 10.18 min Scan# 1385

Delta R.T. -0.01 min

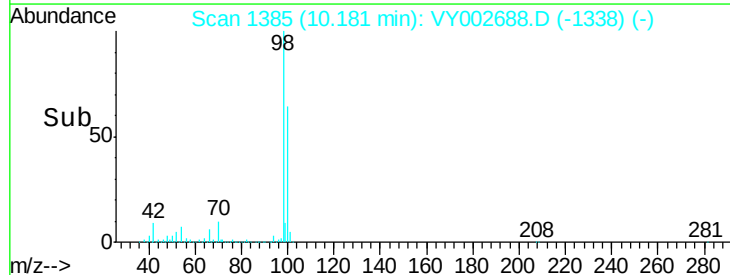
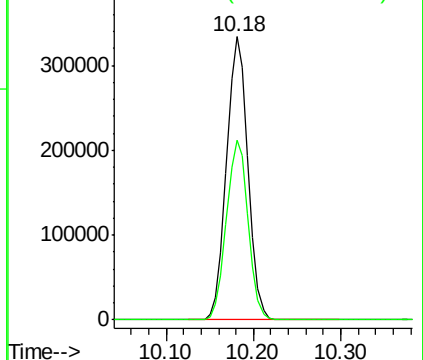
Lab File: VY002688.D

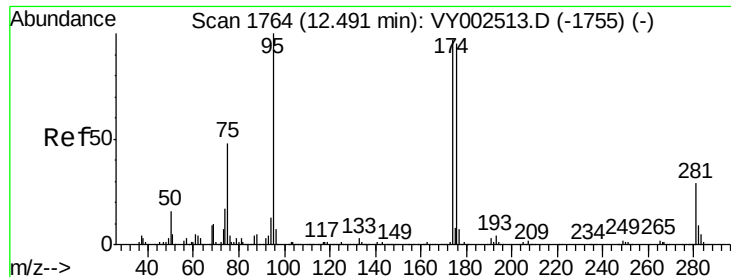
Acq: 13 May 2020 16:31

Tgt Ion: 98 Resp: 565594
Ion Ratio Lower Upper
98 100
100 64.4 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VY0
Ion 100.00 (99.70 to 100.70): VY

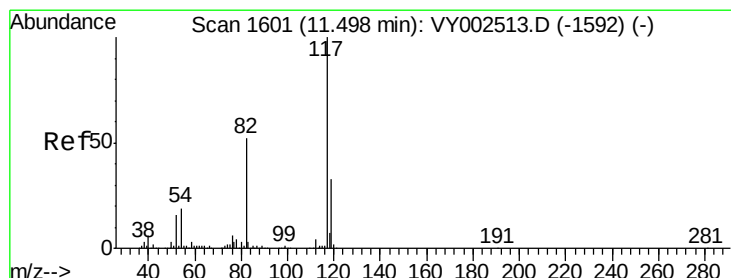
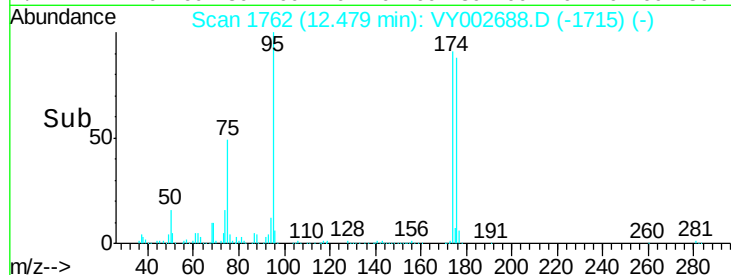
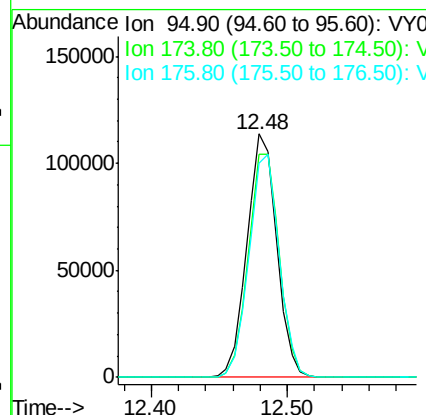
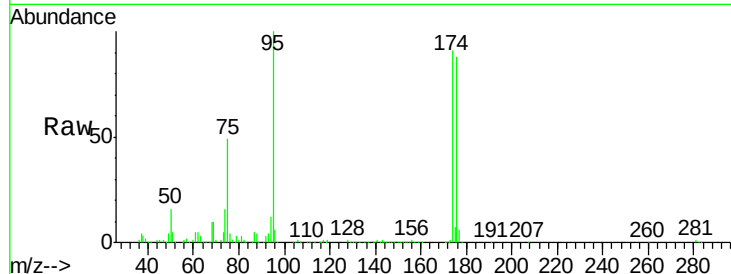




#62
4-Bromofluorobenzene
Concen: 47.196 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.01 min
Lab File: VY002688.D
Acq: 13 May 2020 16:31

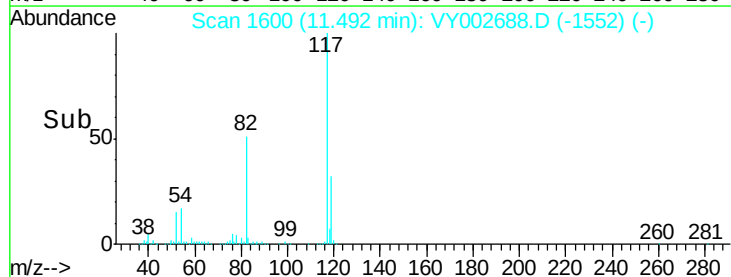
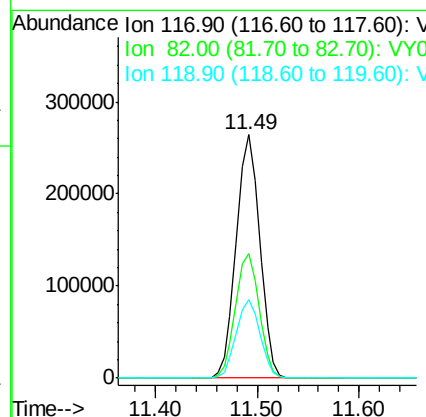
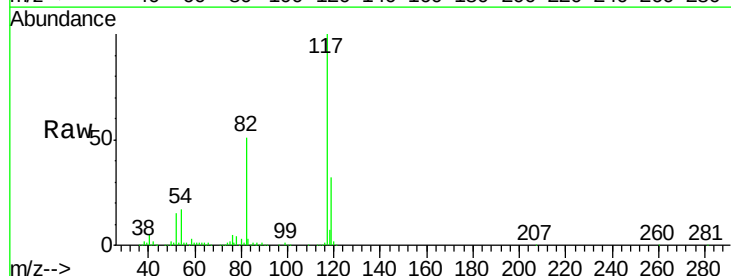
Instrument :
MSVOA_Y
ClientSampled :

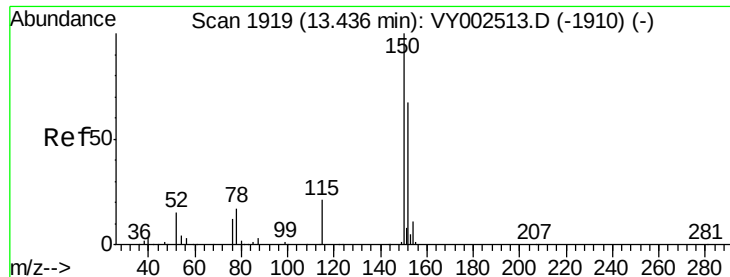
Tot Ion	95	Resp	173977
Ion Ratio	Lower	Upper	
95	100		
174	95.6	0.0	188.8
176	93.5	0.0	183.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY002688.D
Acq: 13 May 2020 16:31

Tgt Ion	117	Resp	422755
Ion Ratio	Lower	Upper	
117	100		
82	51.1	41.3	61.9
119	32.3	26.0	39.0



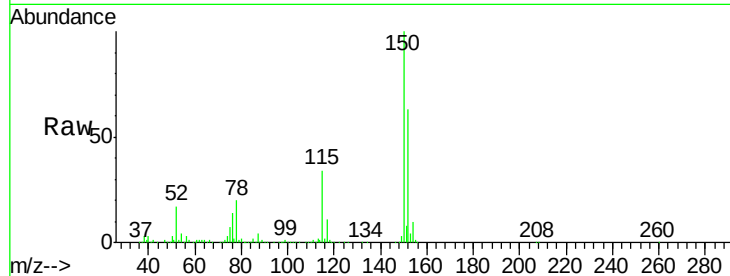


#72

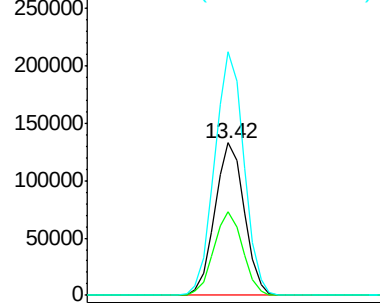
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.01 min
Lab File: VY002688.D
Acq: 13 May 2020 16:31

Instrument :
MSVOA_Y
ClientSampleId :

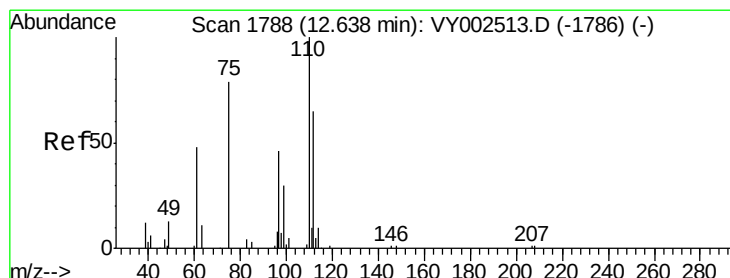
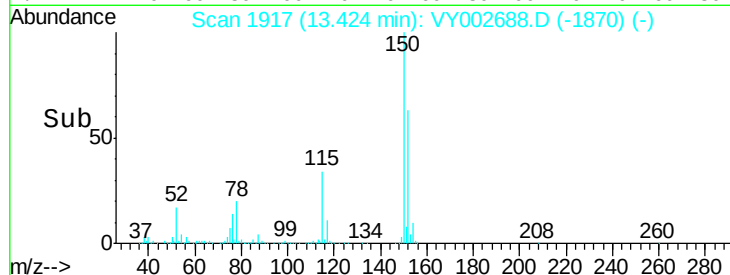
Tot Ion	Ratio	Lower	Upper
152	100		
115	54.0	27.5	82.4
150	158.6	0.0	346.4



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



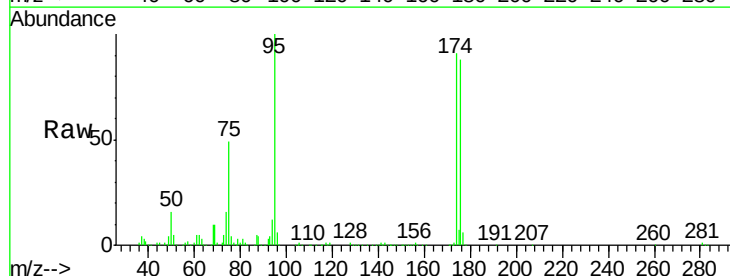
Time-->



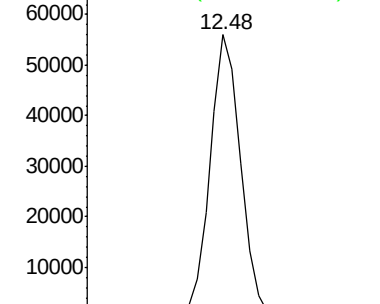
#76

1,2,3-Trichloropropane
Concen: 46.463 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.16 min
Lab File: VY002688.D
Acq: 13 May 2020 16:31

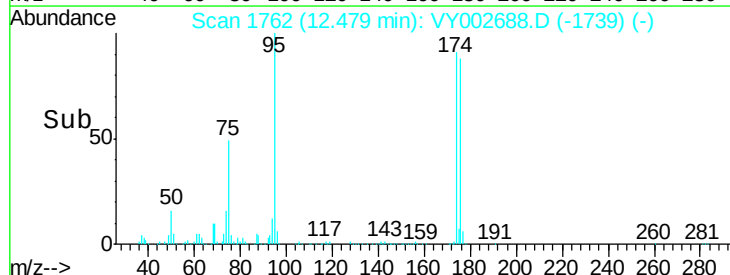
Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.6	0.0	0.0#

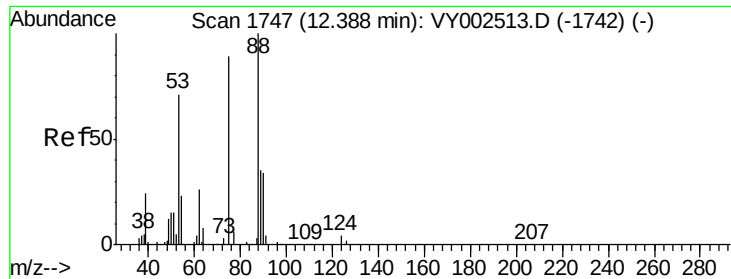


Abundance Ion 74.90 (74.60 to 75.60): VY0
Ion 77.00 (76.70 to 77.70): VY0



Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 93.168 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.09 min

Lab File: VY002688.D

Acq: 13 May 2020 16:31

Instrument :

MSVOA_Y

ClientSampleId :

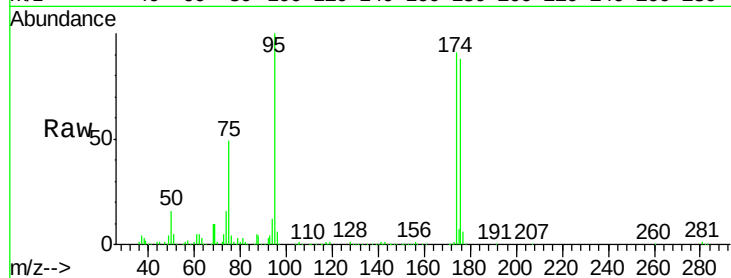
Tot Ion: 75 Resp: 83133

Ion Ratio Lower Upper

75 100

53 0.0 67.4 101.0#

89 0.2 37.4 56.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0

