

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY030420\
 Data File : VY001859.D
 Acq On : 04 Mar 2020 17:19
 Operator : SY/MD
 Sample : L1778-04
 Misc : 7.88G/5ML/MSVOA Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 S2

Quant Time: Mar 05 04:11:08 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

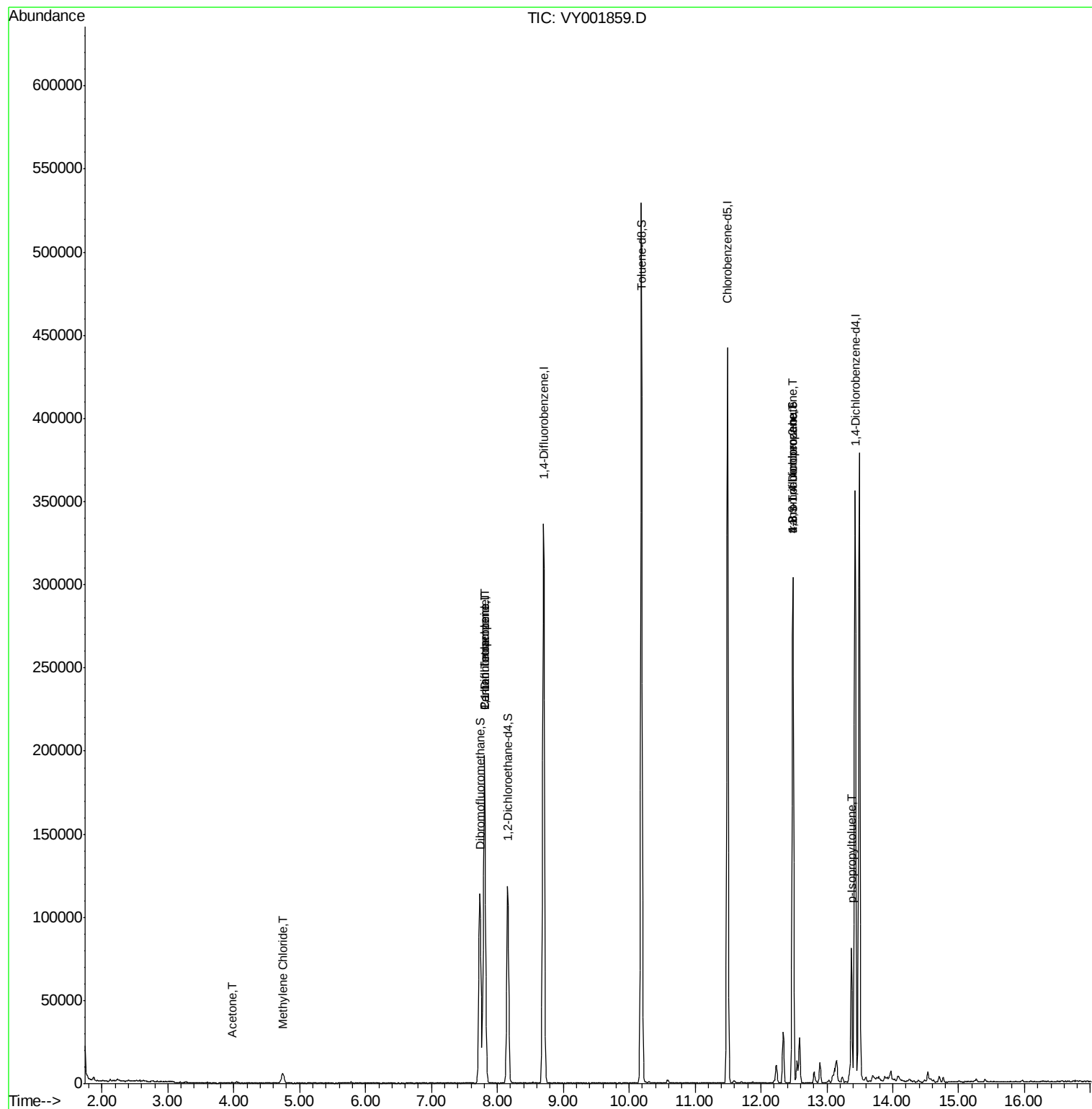
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	146823	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.70	114	278215	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.49	117	235254	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.43	152	84743	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.16	65	88360	56.37	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	112.74%	
35) Dibromofluoromethane	7.74	113	80610	53.06	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	106.12%	
50) Toluene-d8	10.19	98	339802	53.04	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.08%	
62) 4-Bromofluorobenzene	12.49	95	98298	44.13	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.26%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.68	94	52	Below Cal	#	4
16) Acetone	3.98	43	800	1.752	ug/l #	73
20) Methylene Chloride	4.75	84	4273	2.184	ug/l #	87
36) 1,1-Dichloropropene	7.80	75	12239	4.571	ug/l #	50
38) Carbon Tetrachloride	7.80	117	15092	6.599	ug/l #	15
76) 1,2,3-Trichloropropane	12.49	75	49846	49.572	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	49846	100.133	ug/l #	17
86) p-Isopropyltoluene	13.38	119	43028	7.650	ug/l	98

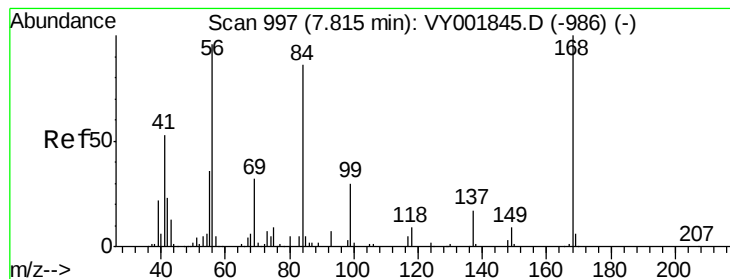
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Mar 05 04:05:33 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.01 min

Lab File: VY001859.D

Acq: 04 Mar 2020 17:19

Instrument :

MSVOA_Y

ClientSampleId :

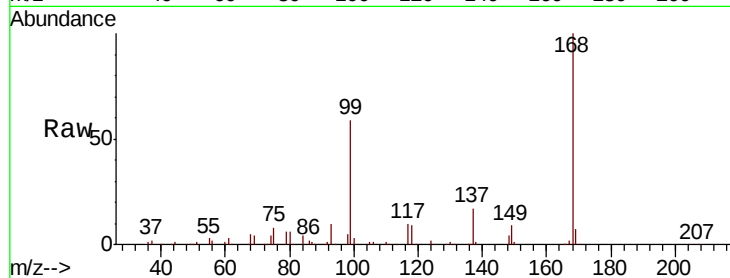
S2

Tot Ion:168 Resp: 146823

Ion Ratio Lower Upper

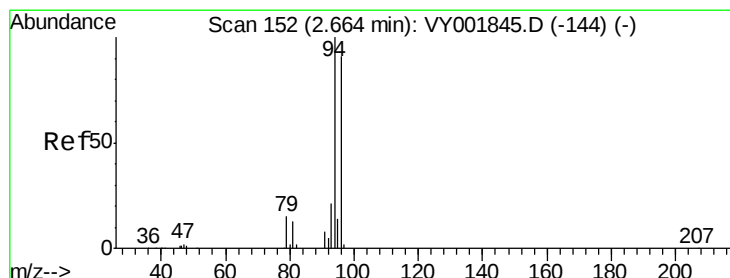
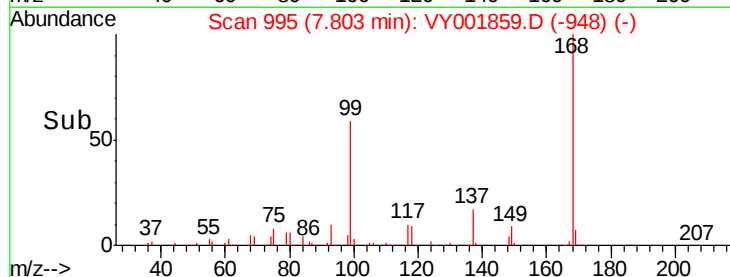
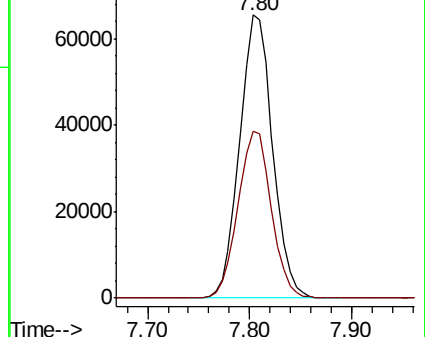
168 100

99 59.1 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) (-)



#5

Bromomethane

Concen: Below Cal

RT: 2.68 min Scan# 154

Delta R.T. 0.01 min

Lab File: VY001859.D

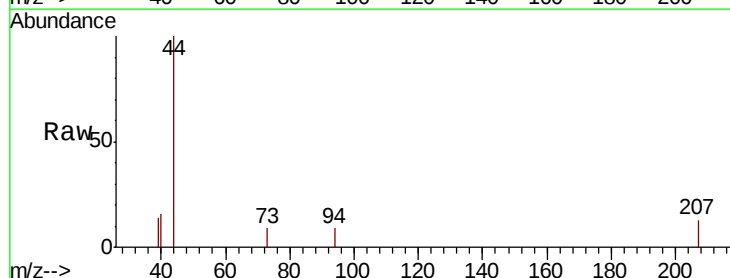
Acq: 04 Mar 2020 17:19

Tgt Ion: 94 Resp: 52

Ion Ratio Lower Upper

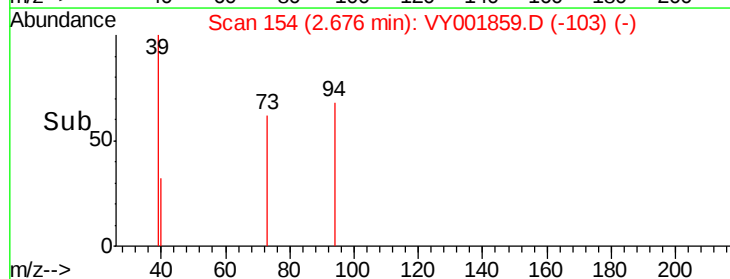
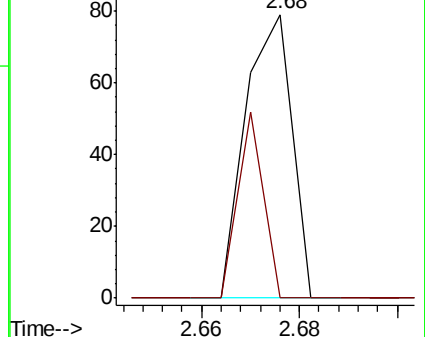
94 100

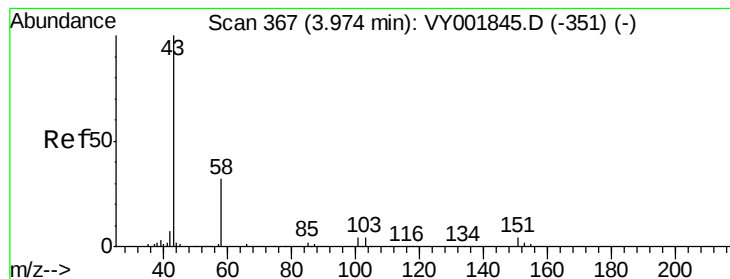
96 0.0 73.2 109.8#



Abundance Ion 93.90 (93.60 to 94.60): VY001845.D (-144) (-)

Ion 95.90 (95.60 to 96.60): VY001845.D (-144) (-)





#16

Acetone

Concen: 1.752 ug/l

RT: 3.98 min Scan# 368

Delta R.T. 0.01 min

Lab File: VY001859.D

Acq: 04 Mar 2020 17:19

Instrument :

MSVOA_Y

ClientSampleId :

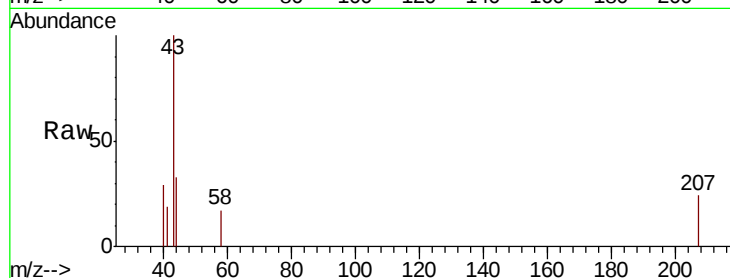
S2

Tot Ion: 43 Resp: 800

Ion Ratio Lower Upper

43 100

58 17.2 25.9 38.9#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

3.98

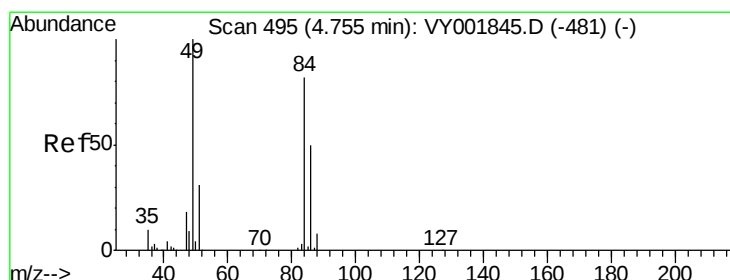
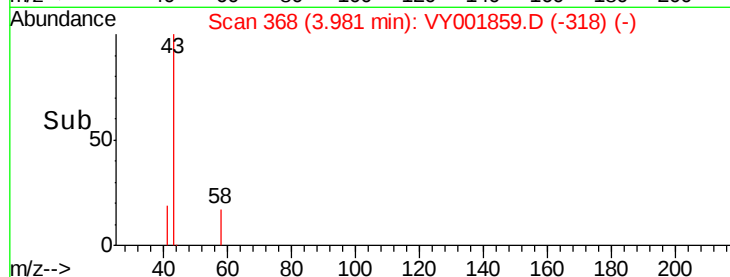
300

200

100

0

Time--> 3.90 3.95 4.00 4.05



#20

Methylene Chloride

Concen: 2.184 ug/l

RT: 4.75 min Scan# 494

Delta R.T. -0.01 min

Lab File: VY001859.D

Acq: 04 Mar 2020 17:19

Tgt Ion: 84 Resp: 4273

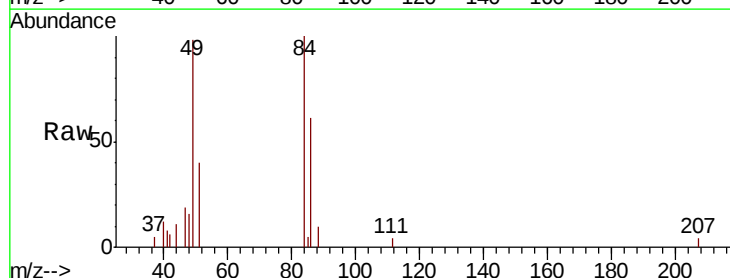
Ion Ratio Lower Upper

84 100

49 97.5 98.2 147.2#

51 39.9 30.2 45.2

86 61.0 48.9 73.3



Abundance Ion 83.90 (83.60 to 84.60): VY0

Ion 48.90 (48.60 to 49.60): VY0

Ion 50.90 (50.60 to 51.60): VY0

Ion 85.90 (85.60 to 86.60): VY0

2500

2000

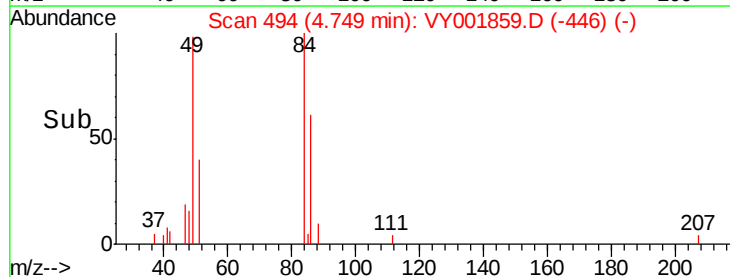
1500

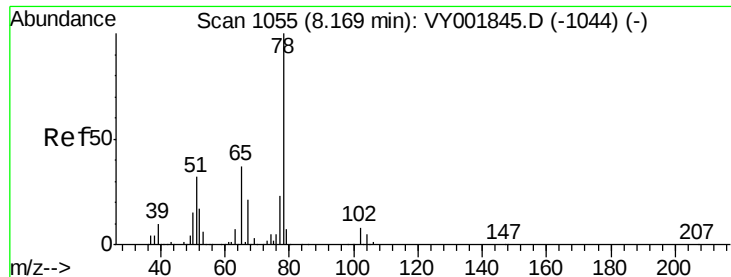
1000

500

0

Time--> 4.65 4.70 4.75 4.80 4.85

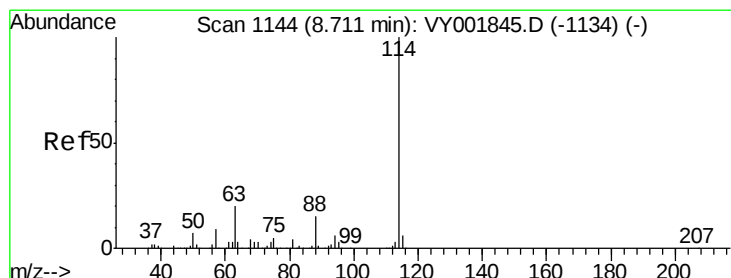
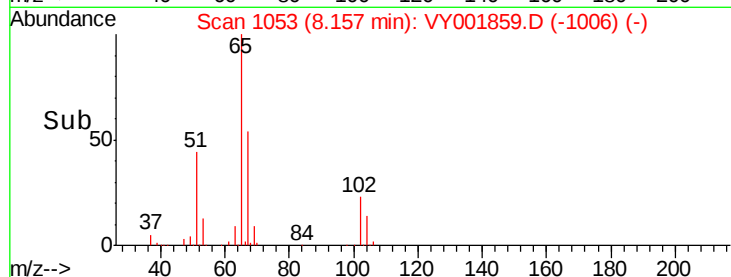
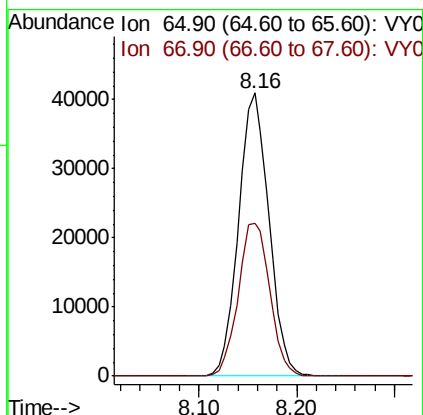
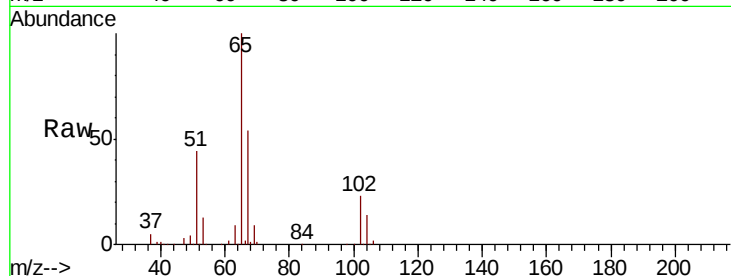




#33
 1,2-Dichloroethane-d4
 Concen: 56.372 ug/l
 RT: 8.16 min Scan# 1053
 Delta R.T. -0.01 min
 Lab File: VY001859.D
 Acq: 04 Mar 2020 17:19

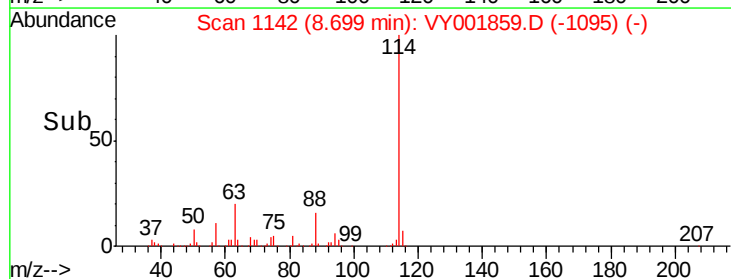
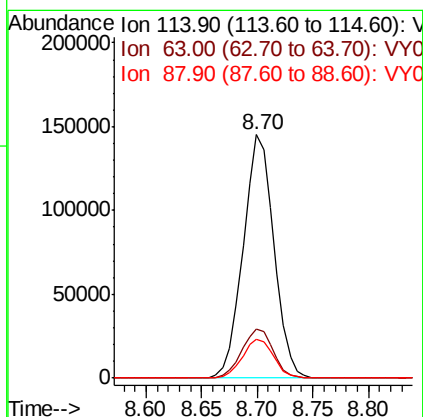
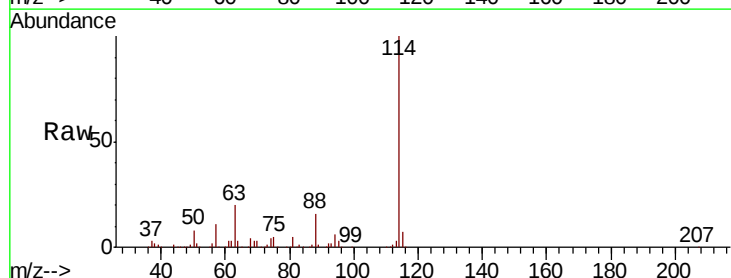
Instrument :
 MSVOA_Y
 ClientSampleId :
 S2

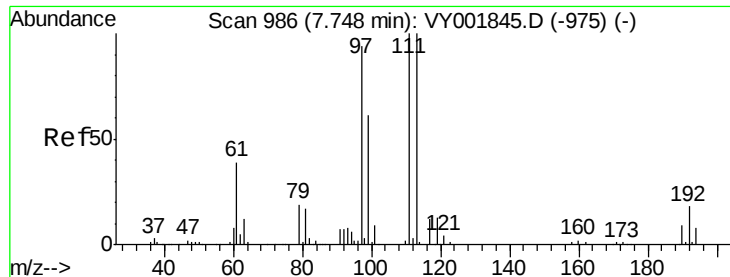
Tot Ion: 65 Resp: 88360
 Ion Ratio Lower Upper
 65 100
 67 56.2 0.0 110.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.01 min
 Lab File: VY001859.D
 Acq: 04 Mar 2020 17:19

Tgt Ion: 114 Resp: 278215
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 39.4
 88 16.0 0.0 30.4

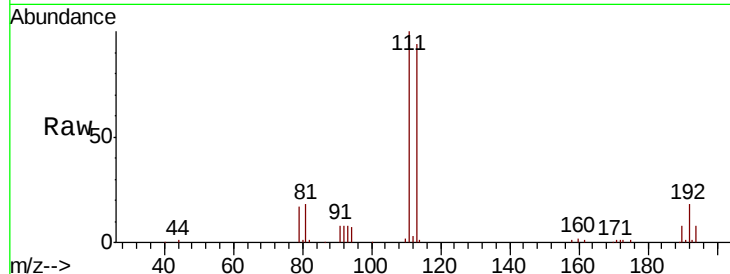




#35
 Dibromofluoromethane
 Concen: 53.062 ug/l
 RT: 7.74 min Scan# 984
 Delta R.T. -0.01 min
 Lab File: VY001859.D
 Acq: 04 Mar 2020 17:19

Instrument :
 MSVOA_Y
 ClientSampleId :
 S2

Tot Ion	Ratio	Lower	Upper
113	100		
111	105.1	81.8	122.8
192	18.2	14.2	21.2

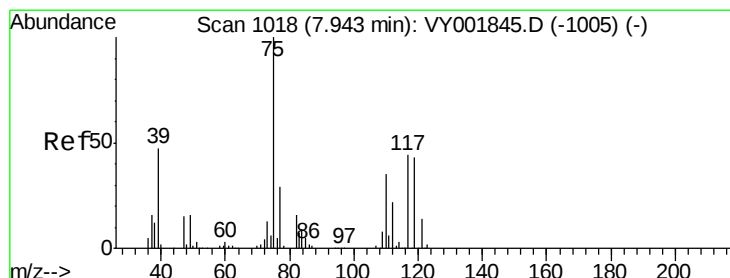
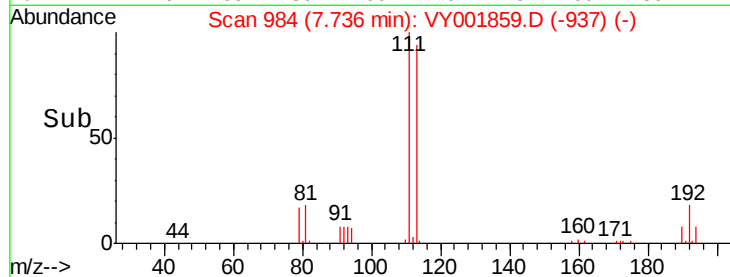
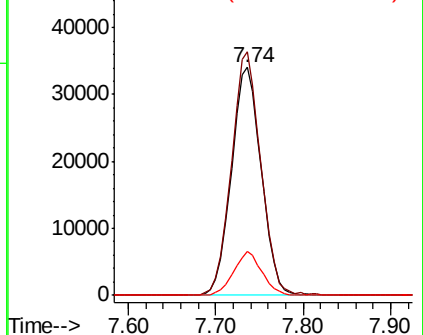


Abundance

Ion 112.80 (112.50 to 113.50): V

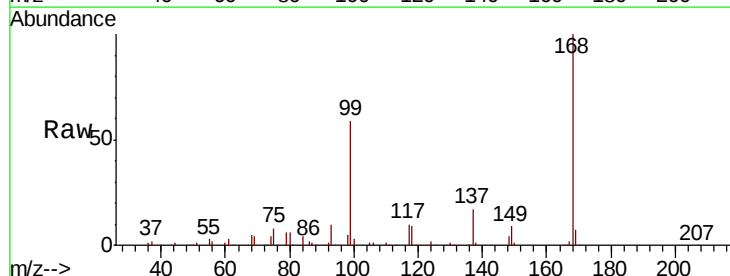
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 4.571 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.14 min
 Lab File: VY001859.D
 Acq: 04 Mar 2020 17:19

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.7	17.4	52.2#
77	0.0	24.2	36.2#

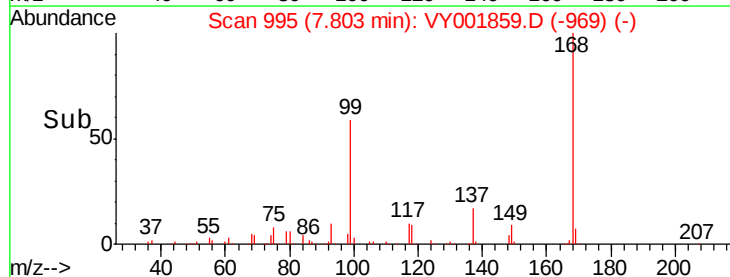
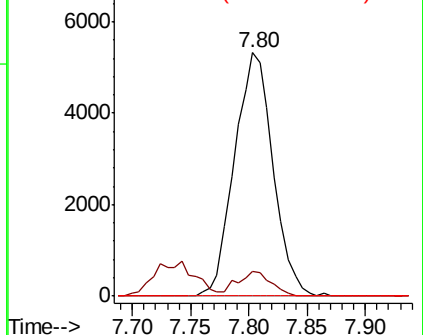


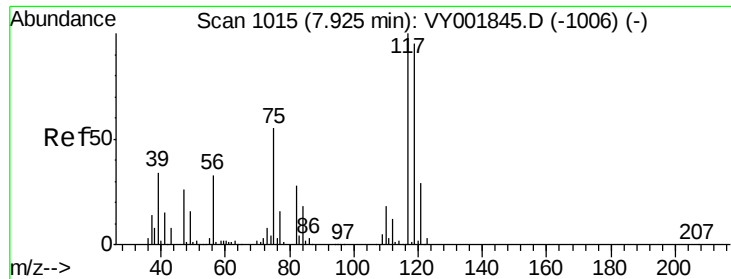
Abundance

Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0

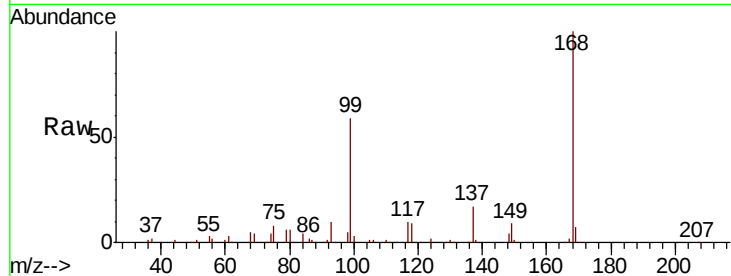




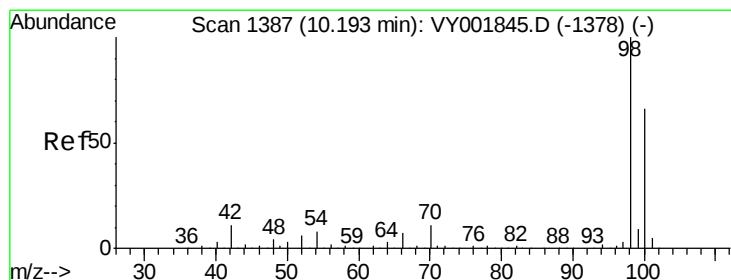
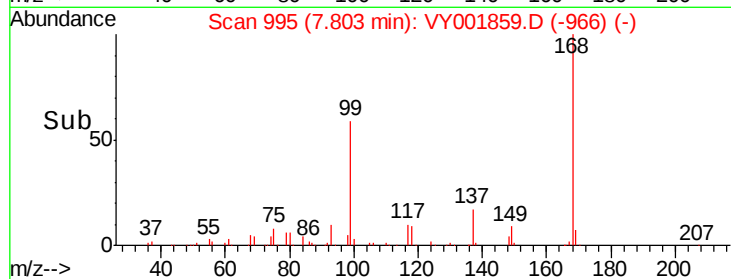
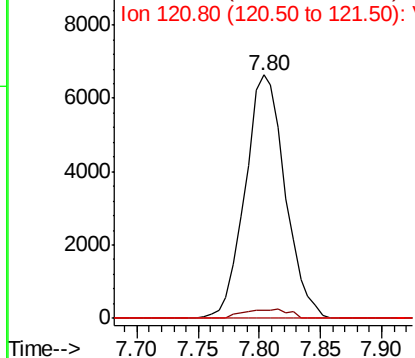
#38
Carbon Tetrachloride
Concen: 6.599 ug/l
RT: 7.80 min Scan# 995
Delta R.T. -0.12 min
Lab File: VY001859.D
Acq: 04 Mar 2020 17:19

Instrument :
MSVOA_Y
ClientSampled :
S2

Tot Ion:117 Resp: 15092
Ion Ratio Lower Upper
117 100
119 3.3 76.3 114.5#
121 0.0 23.5 35.3#

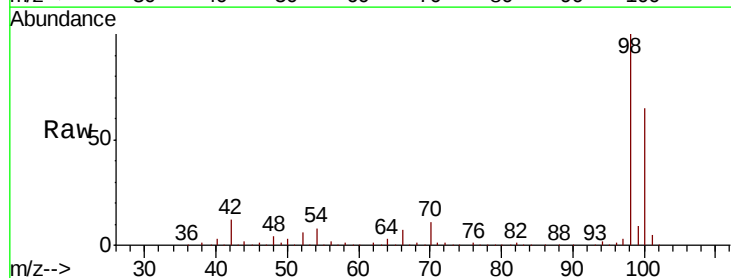


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

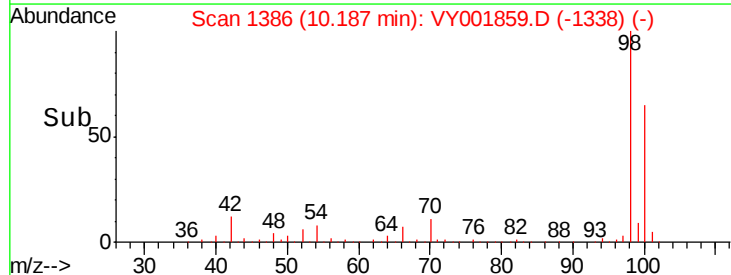
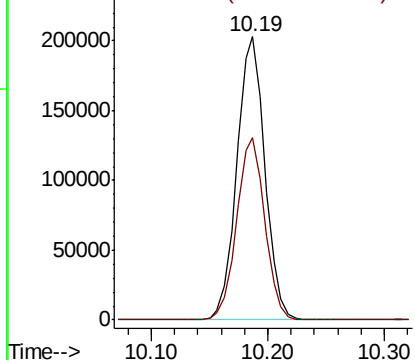


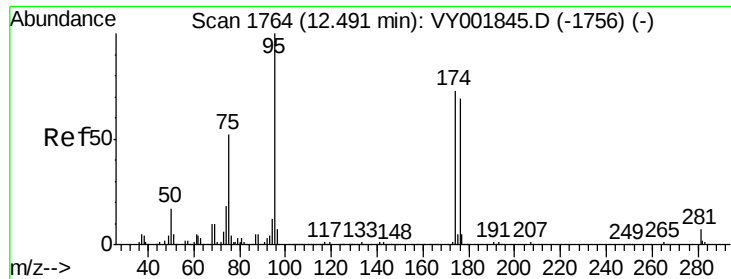
#50
Toluene-d8
Concen: 53.043 ug/l
RT: 10.19 min Scan# 1386
Delta R.T. -0.01 min
Lab File: VY001859.D
Acq: 04 Mar 2020 17:19

Tgt Ion: 98 Resp: 339802
Ion Ratio Lower Upper
98 100
100 64.5 53.0 79.4



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

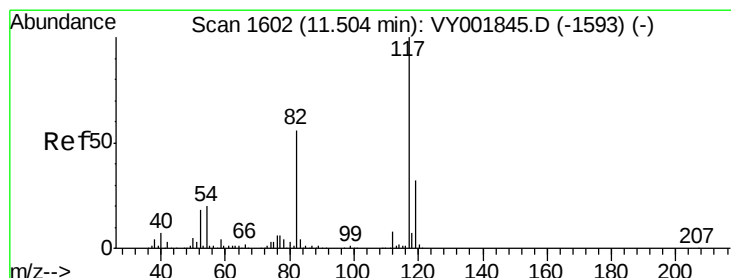
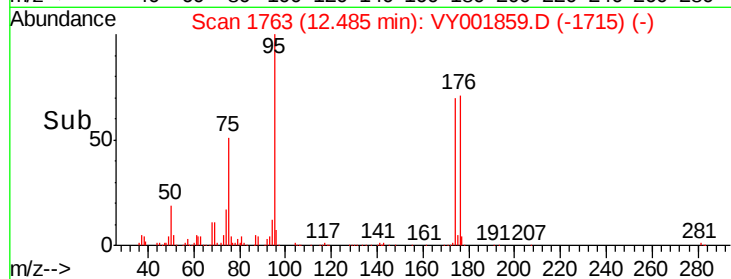
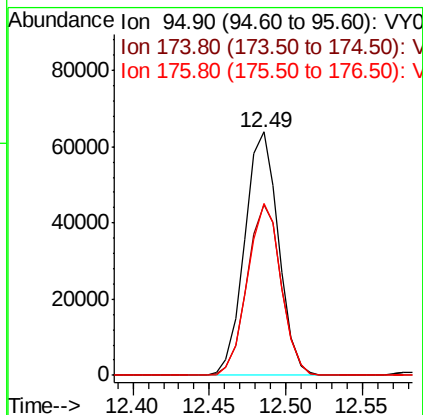
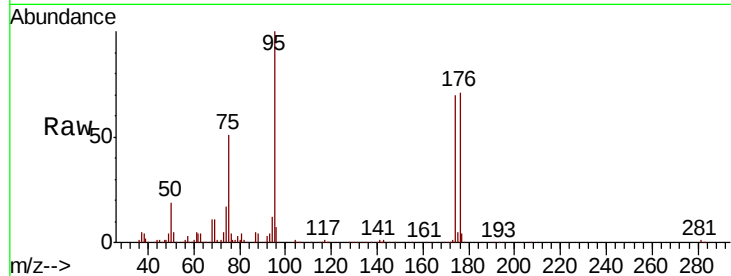




#62
4-Bromofluorobenzene
Concen: 44.130 ug/l
RT: 12.49 min Scan# 1763
Delta R.T. -0.01 min
Lab File: VY001859.D
Acq: 04 Mar 2020 17:19

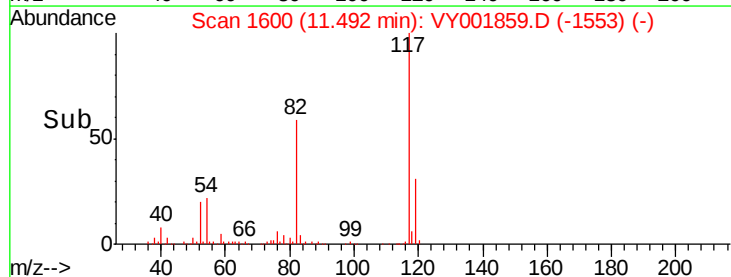
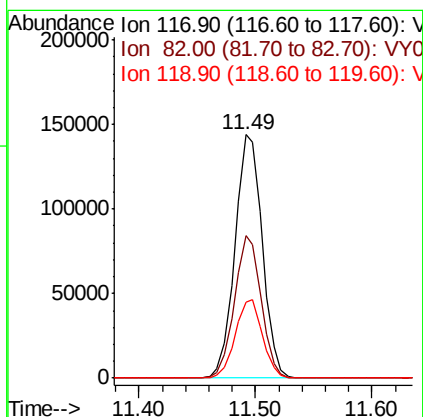
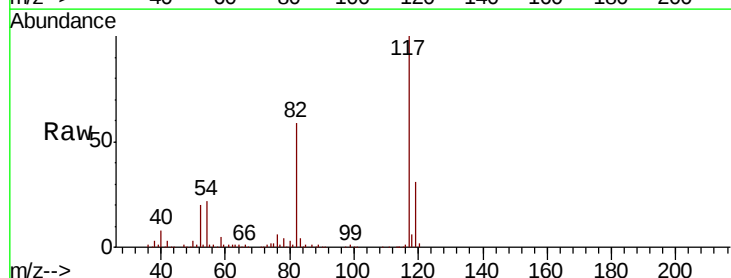
Instrument :
MSVOA_Y
ClientSampled :
S2

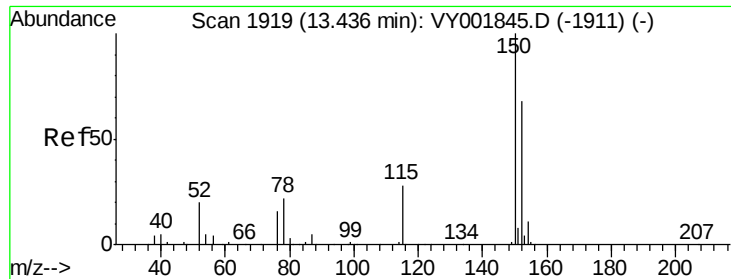
Tot Ion: 95 Resp: 98298
Ion Ratio Lower Upper
95 100
174 70.8 0.0 145.0
176 70.1 0.0 137.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY001859.D
Acq: 04 Mar 2020 17:19

Tgt Ion: 117 Resp: 235254
Ion Ratio Lower Upper
117 100
82 58.7 44.5 66.7
119 31.3 25.7 38.5



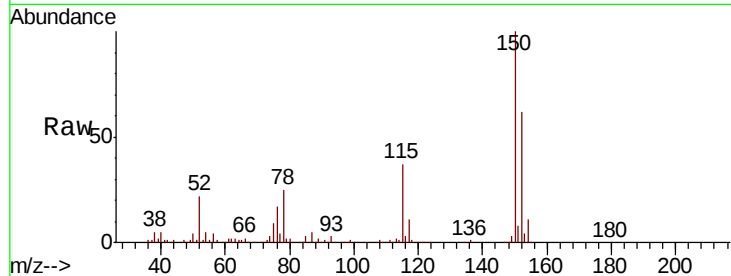


#72

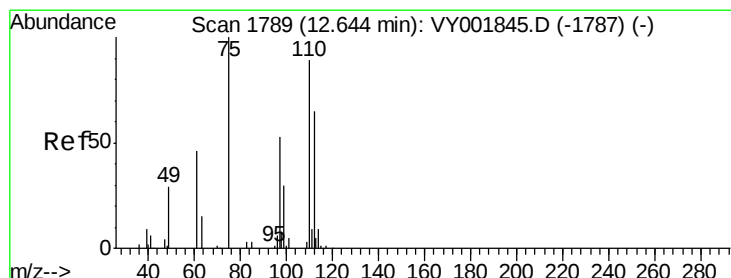
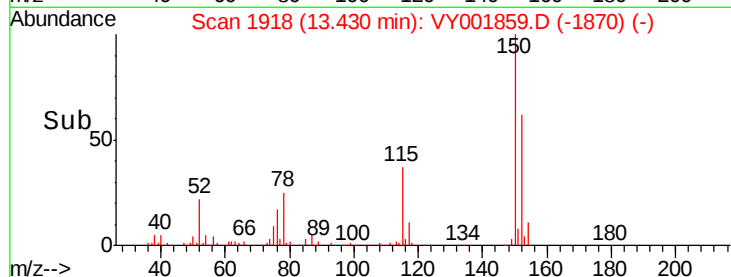
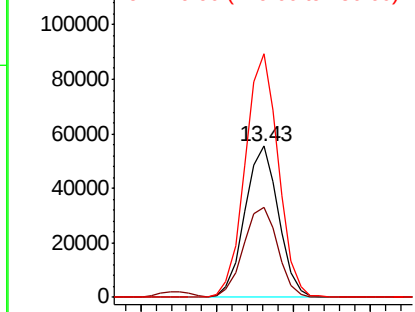
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.43 min Scan# 1918
Delta R.T. -0.01 min
Lab File: VY001859.D
Acq: 04 Mar 2020 17:19

Instrument :
MSVOA_Y
ClientSampleId :
S2

Tot Ion:152 Resp: 84743
Ion Ratio Lower Upper
152 100
115 61.1 29.9 89.7
150 158.3 0.0 340.6



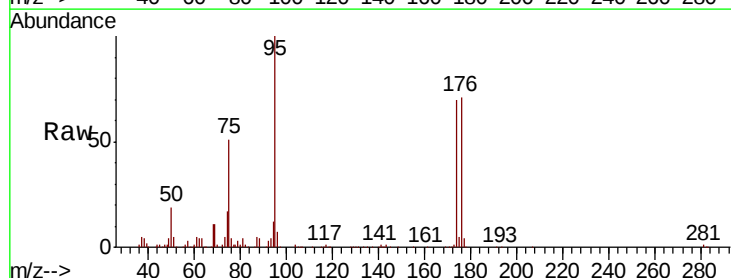
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



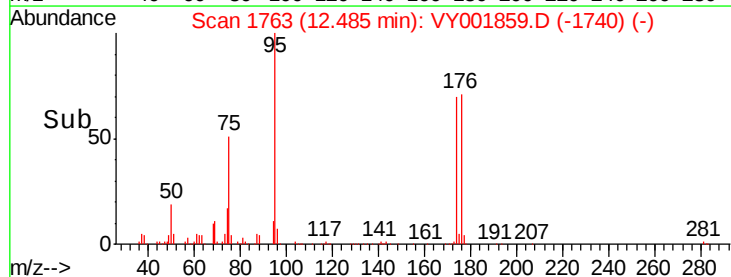
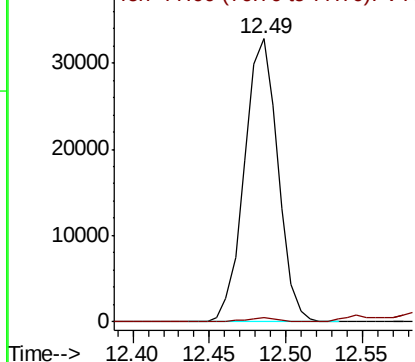
#76

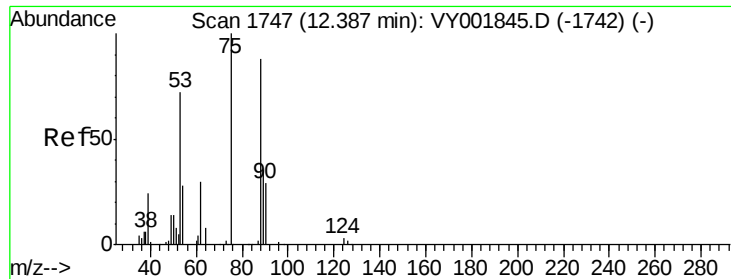
1,2,3-Trichloropropane
Concen: 49.572 ug/l
RT: 12.49 min Scan# 1763
Delta R.T. -0.16 min
Lab File: VY001859.D
Acq: 04 Mar 2020 17:19

Tgt Ion: 75 Resp: 49846
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



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





#81

trans-1,4-Dichloro-2-butene

Concen: 100.133 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. 0.10 min

Lab File: VY001859.D

Acq: 04 Mar 2020 17:19

Instrument :

MSVOA_Y

ClientSampleId :

S2

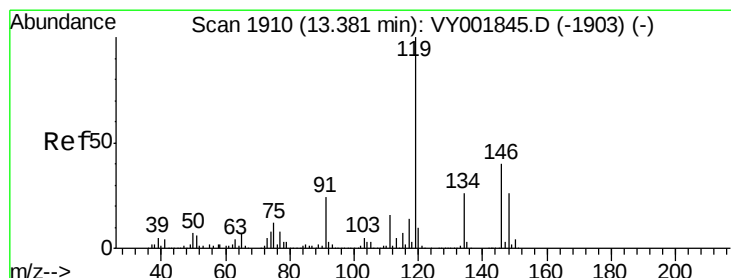
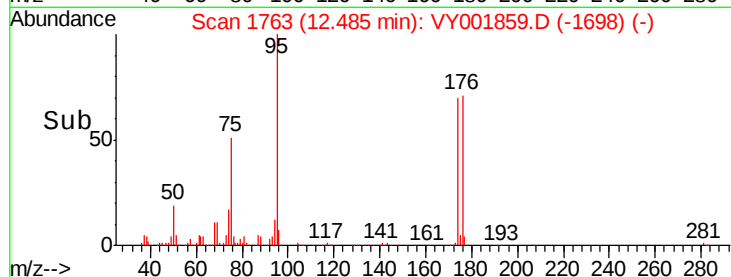
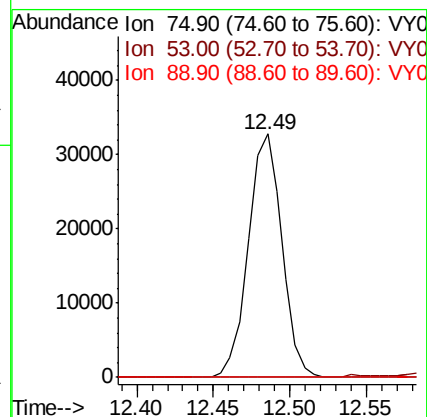
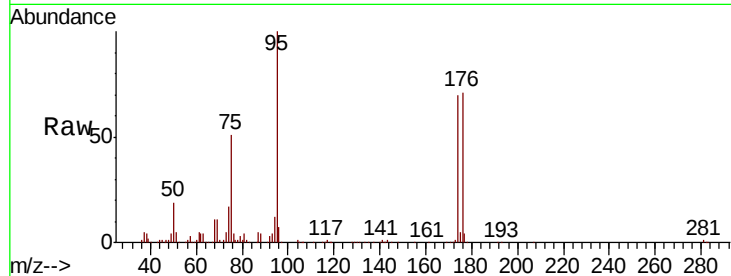
Tot Ion: 75 Resp: 49846

Ion Ratio Lower Upper

75 100

53 0.0 65.4 98.0#

89 0.1 36.0 54.0#



#86

p-Isopropyltoluene

Concen: 7.650 ug/l

RT: 13.38 min Scan# 1909

Delta R.T. -0.01 min

Lab File: VY001859.D

Acq: 04 Mar 2020 17:19

Tgt Ion: 119 Resp: 43028

Ion Ratio Lower Upper

119 100

134 26.7 13.1 39.3

91 25.0 11.9 35.7

