

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY121919\
 Data File : VY001012.D
 Acq On : 19 Dec 2019 13:58
 Operator : SY/MD
 Sample : K6370-07RE
 Misc : 3.57G/5ML/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP2-6RE

Quant Time: Dec 20 03:49:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y112719S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 27 12:40:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	222506	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	374942	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	233655	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	60054	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	107745	45.57	ug/l	0.00
Spiked Amount			Recovery	=	91.14%	
35) Dibromofluoromethane	7.73	113	112300	51.39	ug/l	0.00
Spiked Amount			Recovery	=	102.78%	
50) Toluene-d8	10.18	98	419881	48.06	ug/l	0.00
Spiked Amount			Recovery	=	96.12%	
62) 4-Bromofluorobenzene	12.48	95	73666	22.45	ug/l	0.00
Spiked Amount			Recovery	=	44.90%	

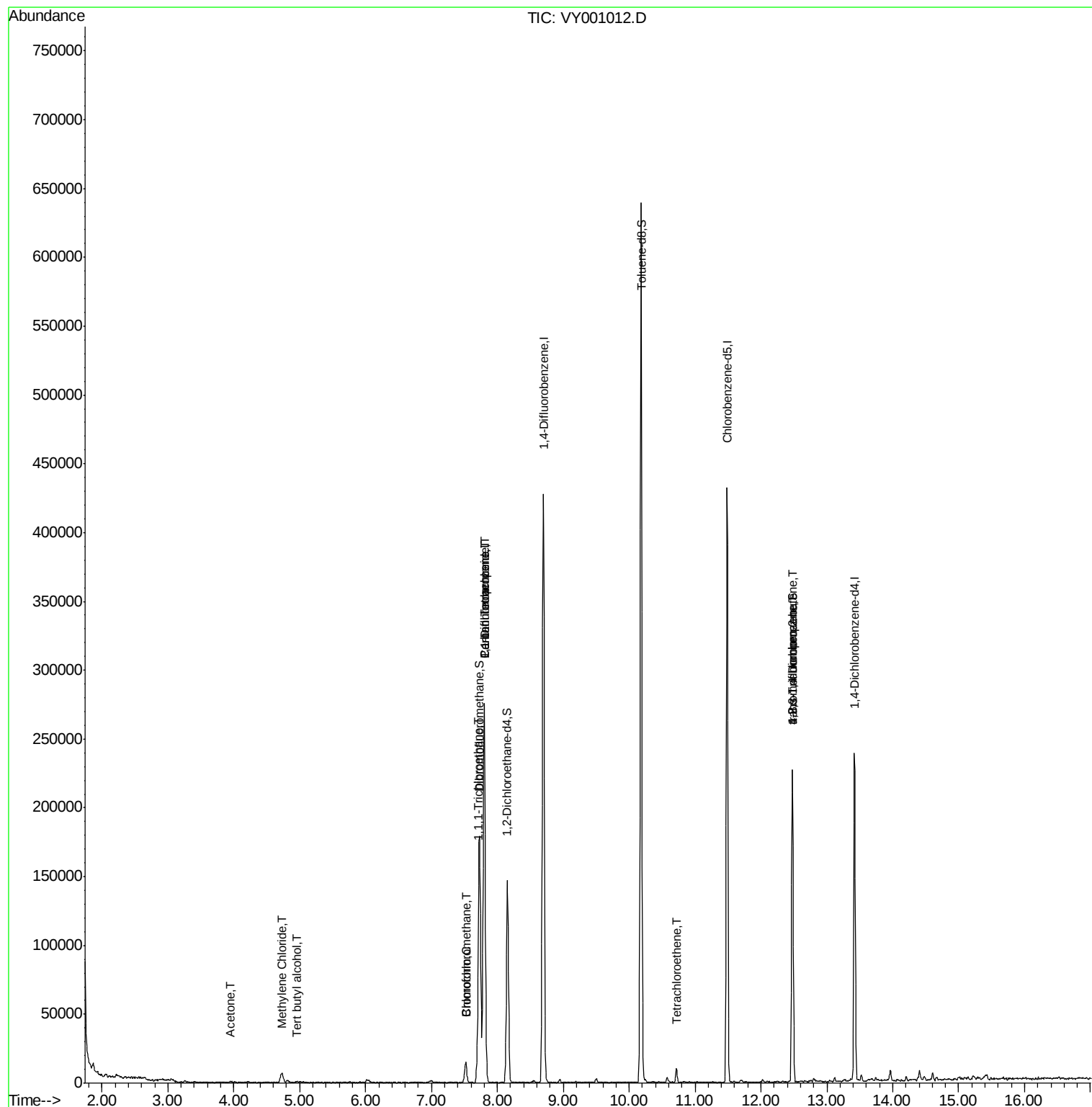
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.65	94	119	Below Cal	#	3
11) Tert butyl alcohol	4.96	59	1437	6.041	ug/l #	74
16) Acetone	3.94	43	640	1.180	ug/l	91
20) Methylene Chloride	4.72	84	5201	1.819	ug/l #	86
28) Bromochloromethane	7.52	49	1211	2.684	ug/l #	15
30) Chloroform	7.52	83	13907	2.925	ug/l	98
32) 1,1,1-Trichloroethane	7.71	97	26399	6.725	ug/l	96
36) 1,1-Dichloropropene	7.80	75	17314	4.644	ug/l #	49
38) Carbon Tetrachloride	7.80	117	22038	6.638	ug/l #	14
64) Tetrachloroethene	10.72	164	2137	1.053	ug/l #	80
76) 1,2,3-Trichloropropane	12.48	75	35961	52.852	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	35961	103.817	ug/l #	18

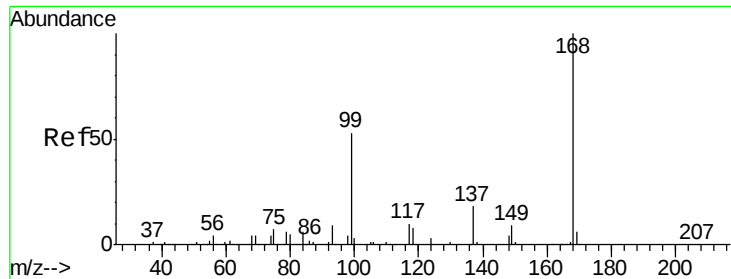
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.01 min

Lab File: VY001012.D

Acq: 19 Dec 2019 13:58

Instrument :

MSVOA_Y

ClientSampleId :

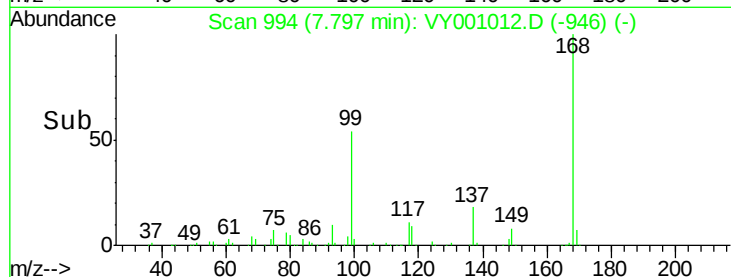
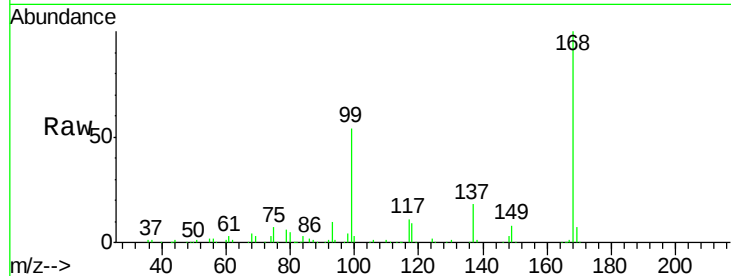
TP2-6RE

Tgt Ion: 168 Resp: 222506

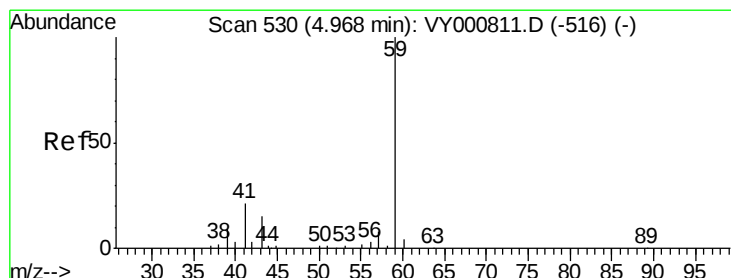
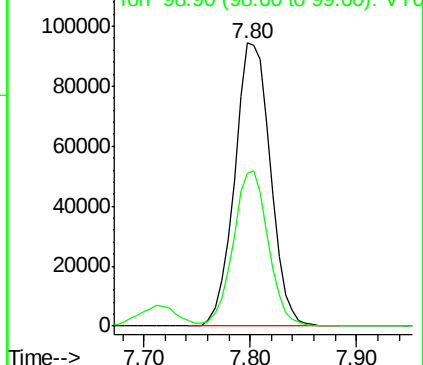
Ion Ratio Lower Upper

168 100

99 54.1 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): VY001012.D (-946) (-)



#11

Tert butyl alcohol

Concen: 6.041 ug/l

RT: 4.96 min Scan# 528

Delta R.T. -0.01 min

Lab File: VY001012.D

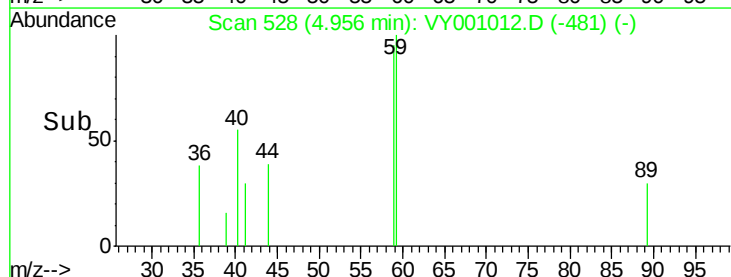
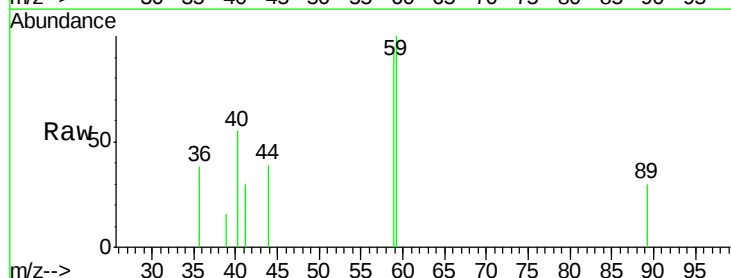
Acq: 19 Dec 2019 13:58

Tgt Ion: 59 Resp: 1437

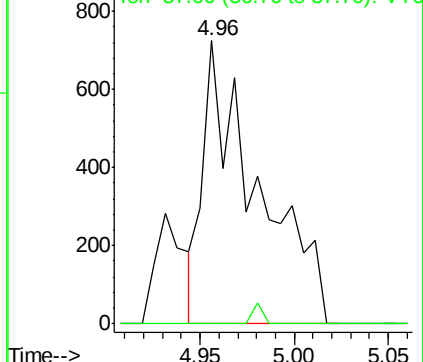
Ion Ratio Lower Upper

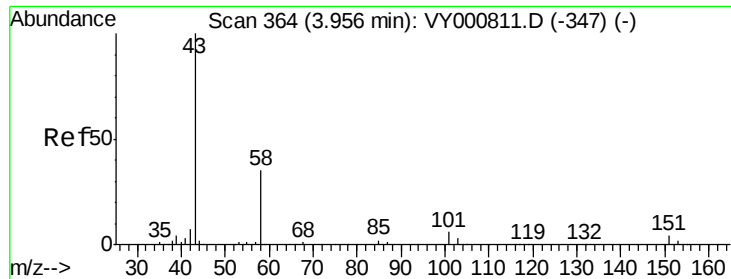
59 100

57 0.0 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VY001012.D (-481) (-)

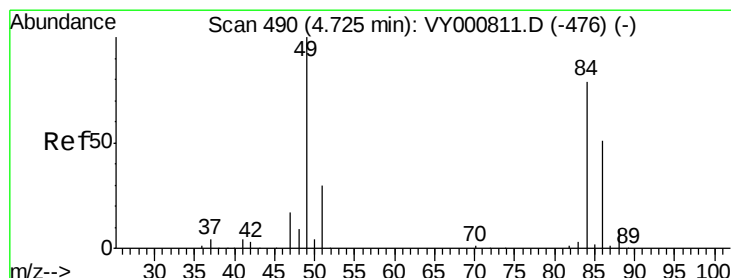
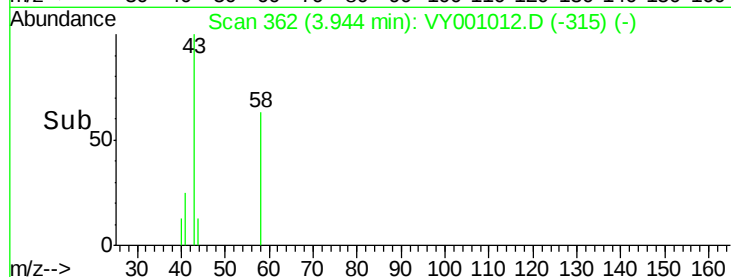
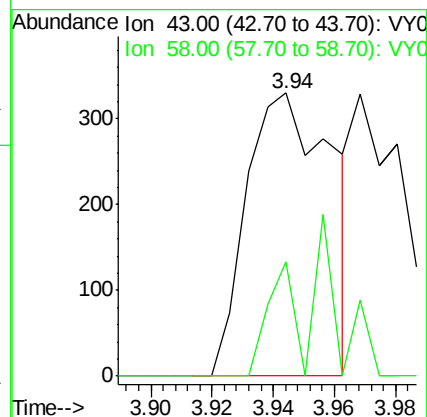
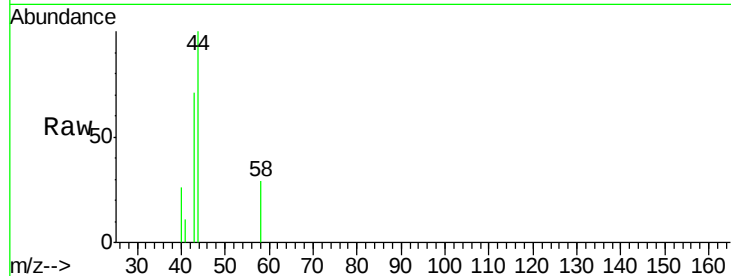




#16
Acetone
Concen: 1.180 ug/l
RT: 3.94 min Scan# 362
Delta R.T. -0.01 min
Lab File: VY001012.D
Acq: 19 Dec 2019 13:58

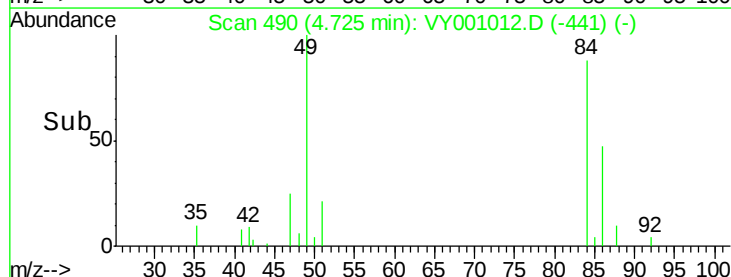
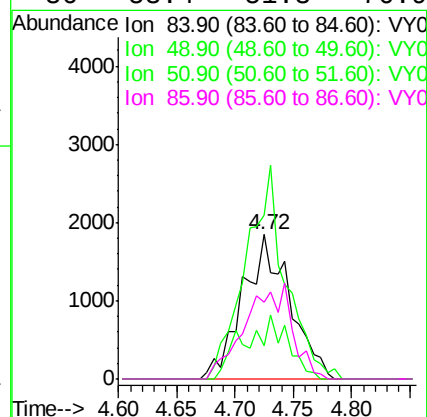
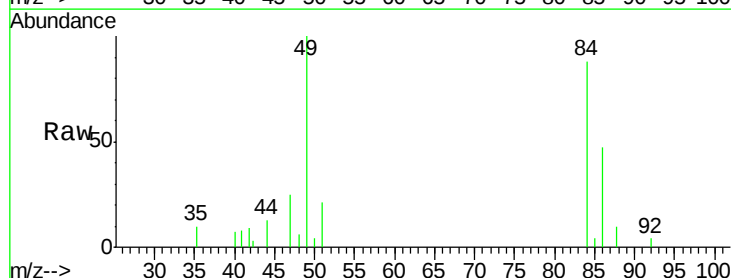
Instrument :
MSVOA_Y
ClientSampleId :
TP2-6RE

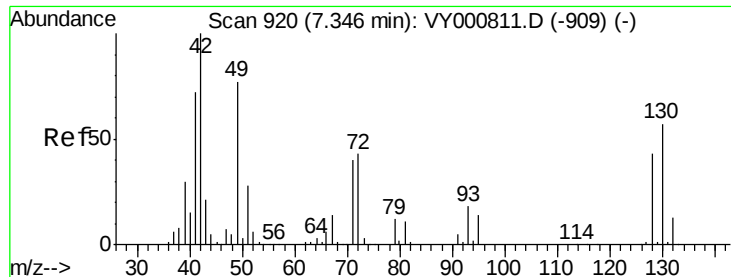
Tgt Ion: 43 Resp: 640
Ion Ratio Lower Upper
43 100
58 40.3 28.0 42.0



#20
Methylene Chloride
Concen: 1.819 ug/l
RT: 4.72 min Scan# 490
Delta R.T. -0.00 min
Lab File: VY001012.D
Acq: 19 Dec 2019 13:58

Tgt Ion: 84 Resp: 5201
Ion Ratio Lower Upper
84 100
49 113.8 101.3 151.9
51 23.3 30.6 45.8#
86 53.4 51.3 76.9





#28

Bromochloromethane

Concen: 2.684 ug/l

RT: 7.52 min Scan# 948

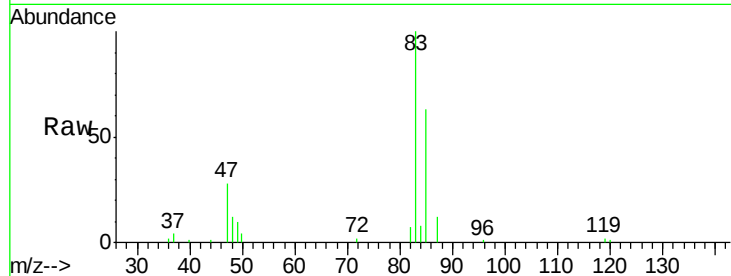
Delta R.T. 0.17 min

Lab File: VY001012.D

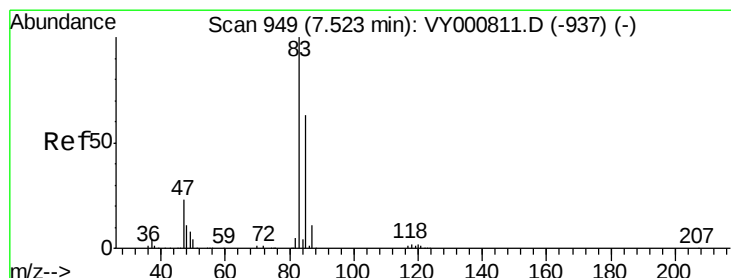
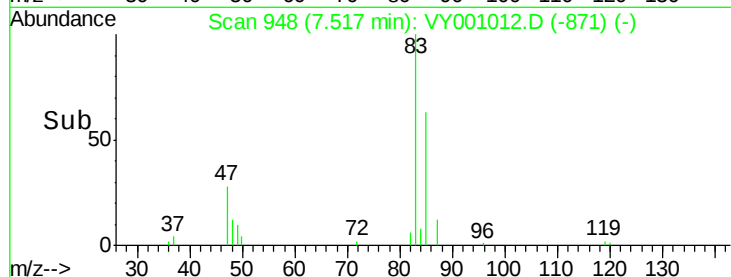
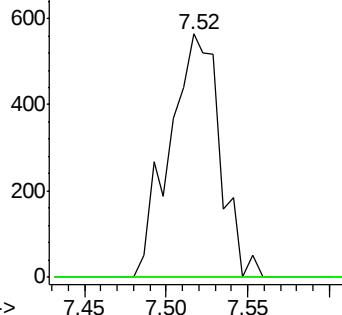
Acq: 19 Dec 2019 13:58

Instrument :
MSVOA_Y
ClientSampleId :
TP2-6RE

Tgt Ion: 49 Resp: 1211
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.8
130 0.0 58.7 88.1#



Abundance Ion 48.90 (48.60 to 49.60): VY0
Ion 128.80 (128.50 to 129.50): VY0
Ion 129.80 (129.50 to 130.50): VY0



#30

Chloroform

Concen: 2.925 ug/l

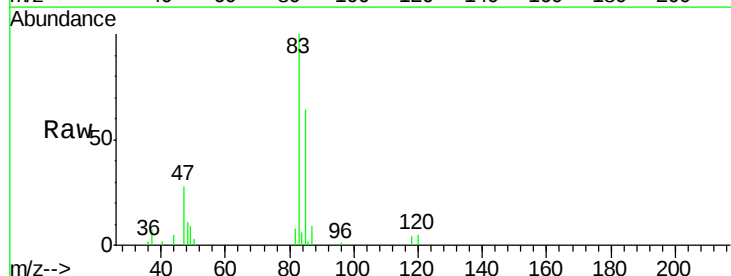
RT: 7.52 min Scan# 949

Delta R.T. -0.00 min

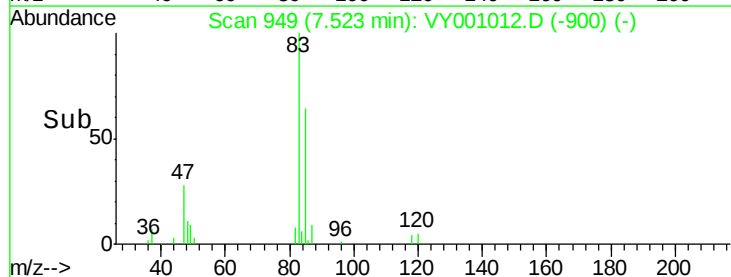
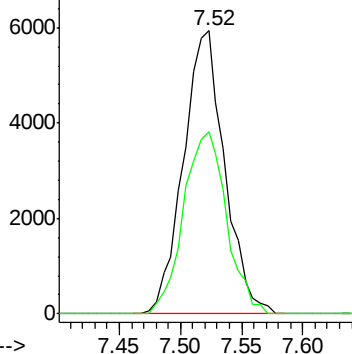
Lab File: VY001012.D

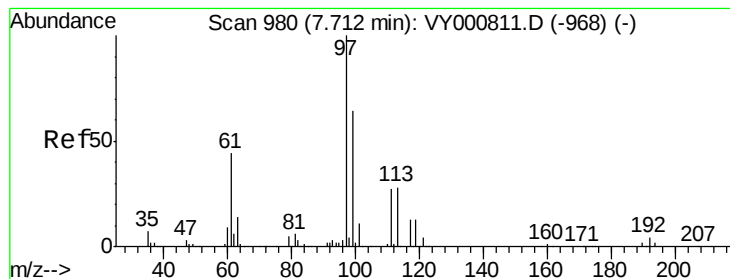
Acq: 19 Dec 2019 13:58

Tgt Ion: 83 Resp: 13907
Ion Ratio Lower Upper
83 100
85 64.5 50.4 75.6



Abundance Ion 82.90 (82.60 to 83.60): VY0
Ion 84.90 (84.60 to 85.60): VY0





#32

1,1,1-Trichloroethane

Concen: 6.725 ug/l

RT: 7.71 min Scan# 980

Delta R.T. -0.00 min

Lab File: VY001012.D

Acq: 19 Dec 2019 13:58

Instrument :

MSVOA_Y

ClientSampleId :

TP2-6RE

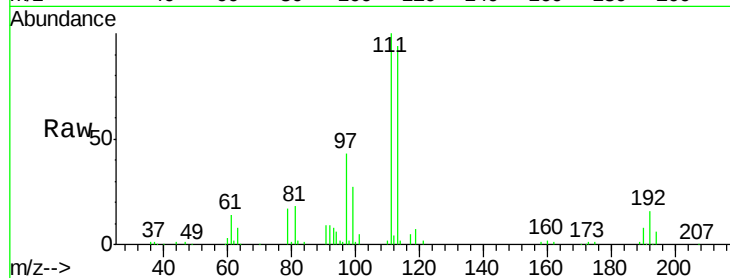
Tgt Ion: 97 Resp: 26399

Ion Ratio Lower Upper

97 100

99 69.1 51.7 77.5

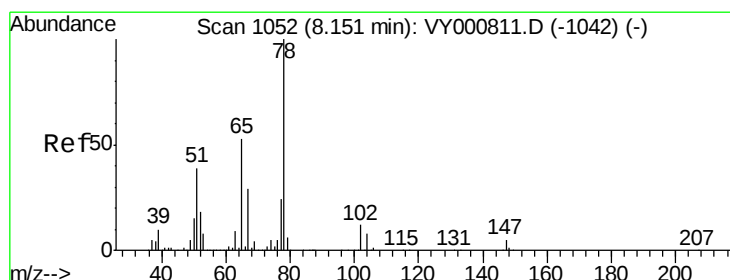
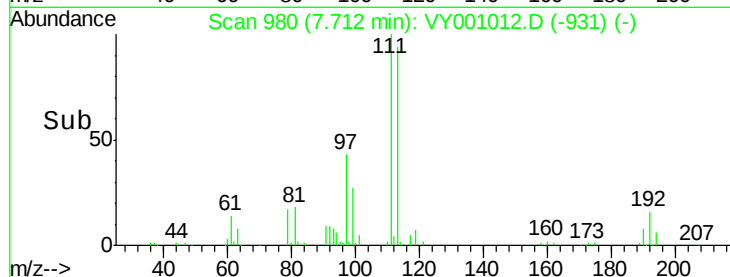
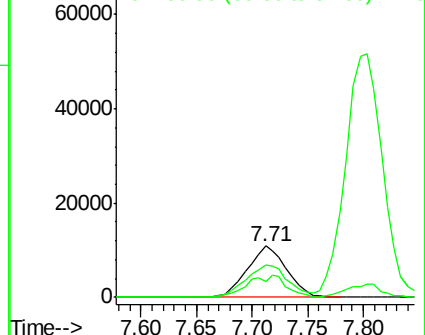
61 44.1 35.0 52.6



Abundance Ion 96.90 (96.60 to 97.60): VY0

Ion 98.90 (98.60 to 99.60): VY0

Ion 60.90 (60.60 to 61.60): VY0



#33

1,2-Dichloroethane-d4

Concen: 45.571 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.00 min

Lab File: VY001012.D

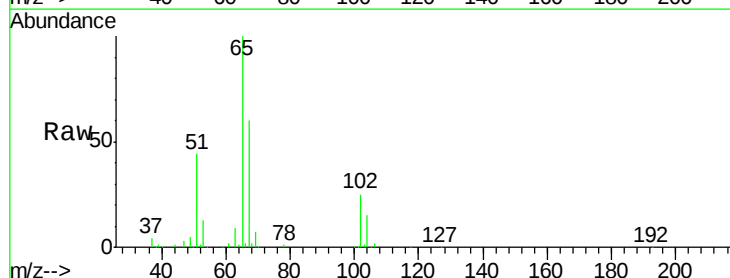
Acq: 19 Dec 2019 13:58

Tgt Ion: 65 Resp: 107745

Ion Ratio Lower Upper

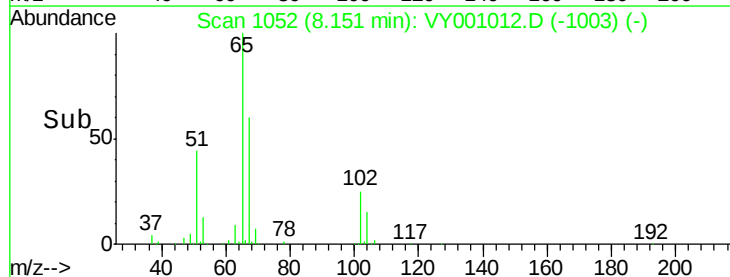
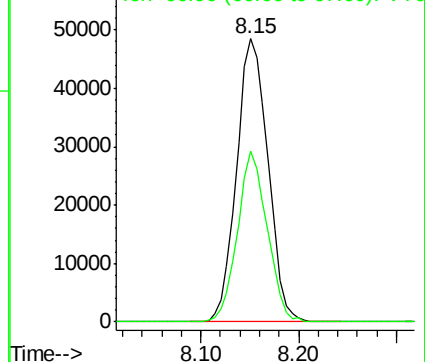
65 100

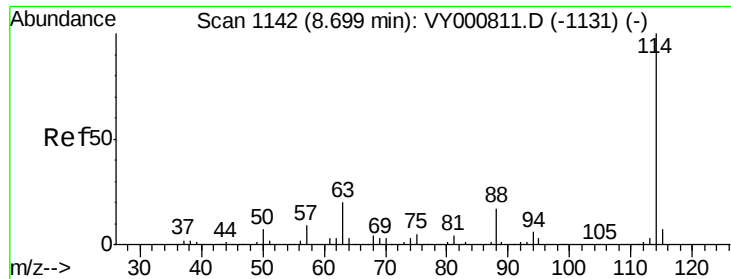
67 57.2 0.0 112.0



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: 8.70 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VY001012.D

Acq: 19 Dec 2019 13:58

Instrument :

MSVOA_Y

ClientSampleId :

TP2-6RE

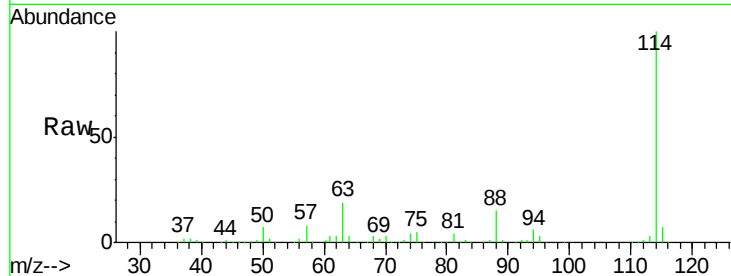
Tgt Ion:114 Resp: 374942

Ion Ratio Lower Upper

114 100

63 19.2 0.0 39.8

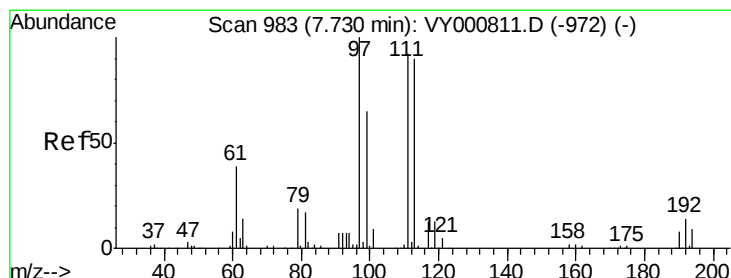
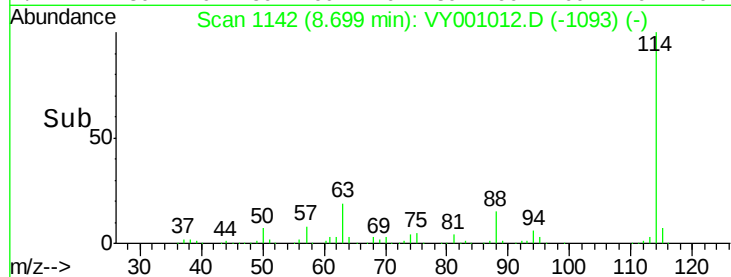
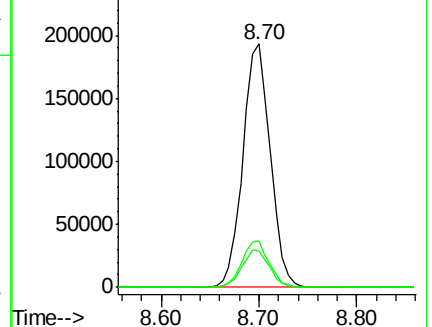
88 14.7 0.0 33.2



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: 51.392 ug/l

RT: 7.73 min Scan# 983

Delta R.T. -0.00 min

Lab File: VY001012.D

Acq: 19 Dec 2019 13:58

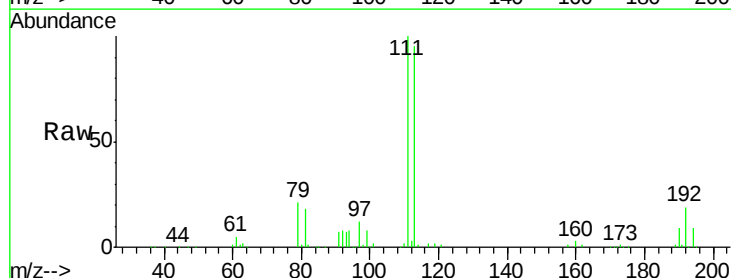
Tgt Ion:113 Resp: 112300

Ion Ratio Lower Upper

113 100

111 104.7 82.4 123.6

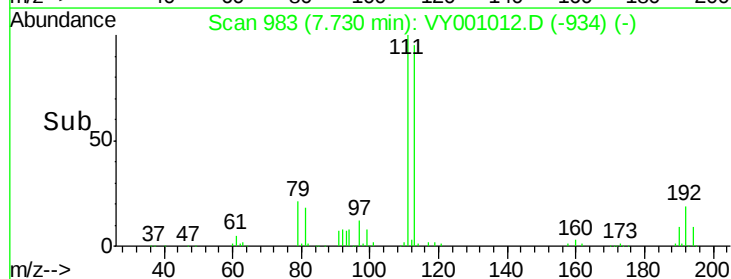
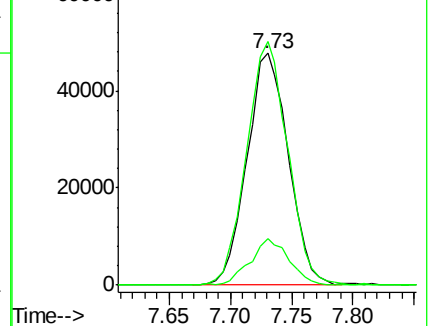
192 18.9 14.2 21.2

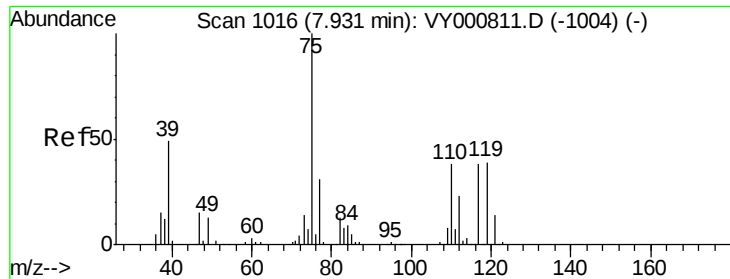


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

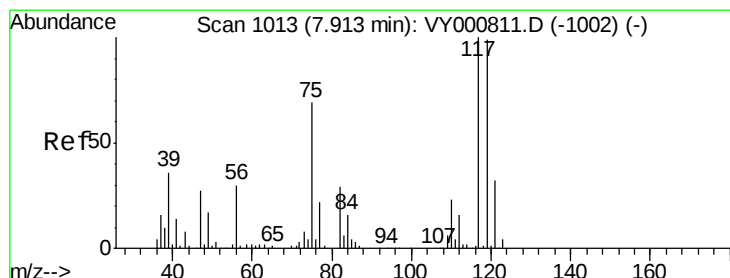
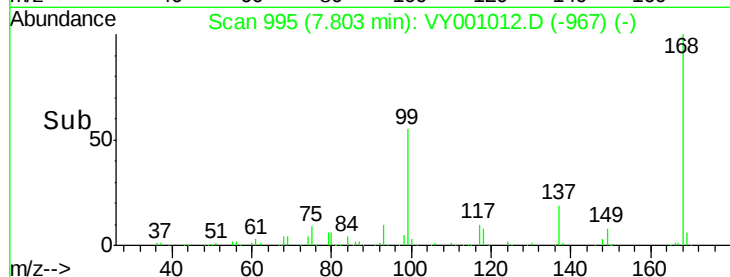
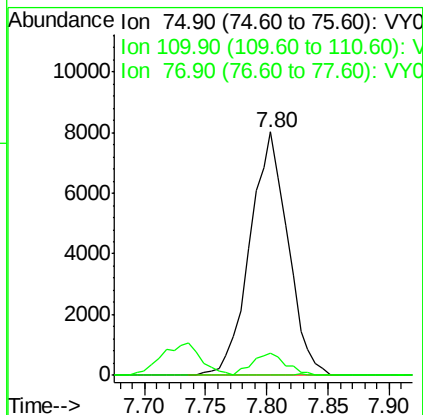
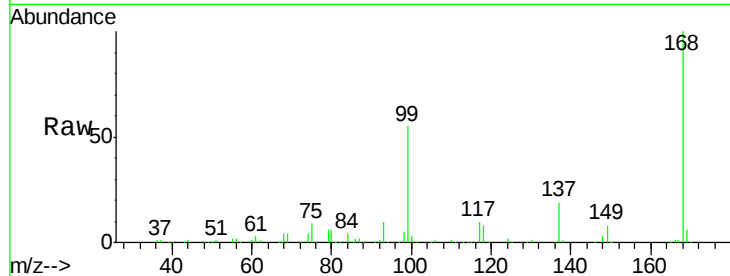




#36
 1,1-Dichloropropene
 Concen: 4.644 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.13 min
 Lab File: VY001012.D
 Acq: 19 Dec 2019 13:58

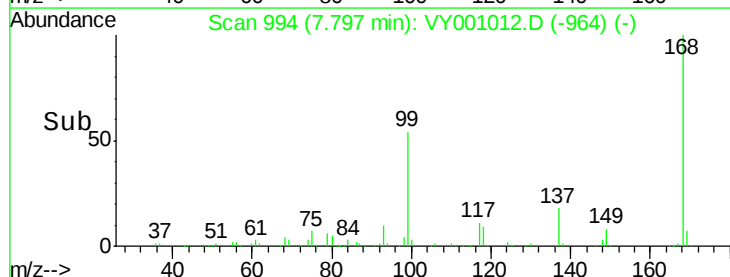
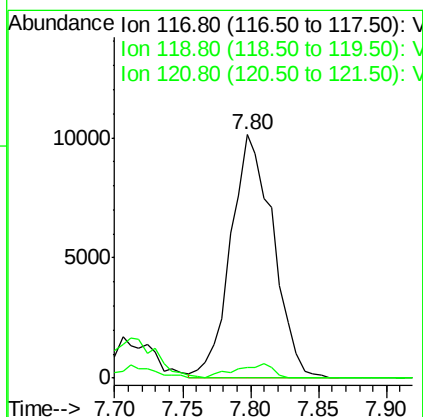
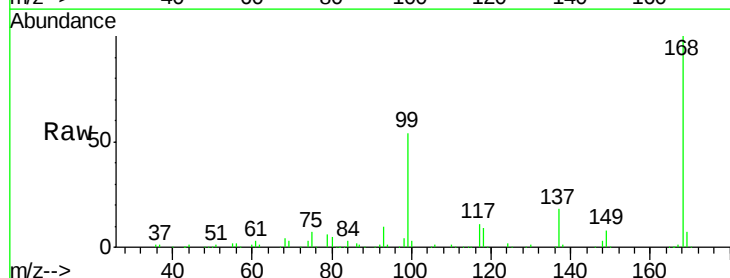
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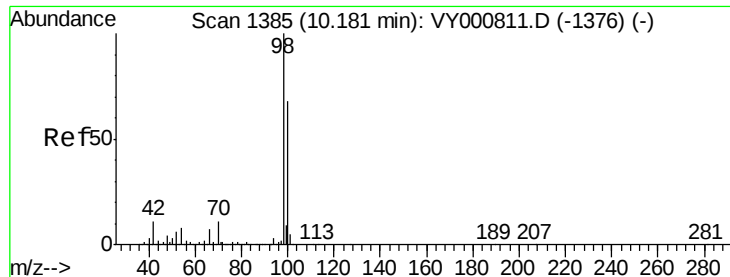
Tgt Ion: 75 Resp: 17314
 Ion Ratio Lower Upper
 75 100
 110 8.0 17.9 53.7#
 77 0.0 24.7 37.1#



#38
 Carbon Tetrachloride
 Concen: 6.638 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.12 min
 Lab File: VY001012.D
 Acq: 19 Dec 2019 13:58

Tgt Ion: 117 Resp: 22038
 Ion Ratio Lower Upper
 117 100
 119 4.6 79.3 118.9#
 121 0.0 25.5 38.3#





#50

Toluene-d8

Concen: 48.062 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY001012.D

Acq: 19 Dec 2019 13:58

Instrument :

MSVOA_Y

ClientSampled :

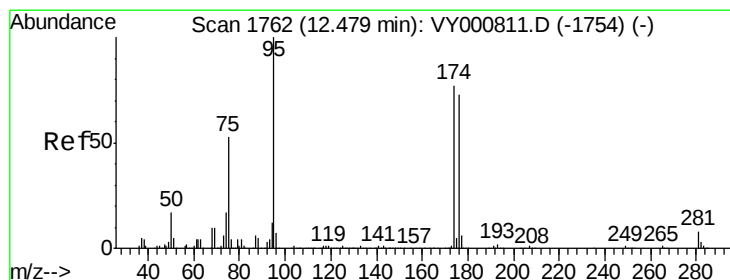
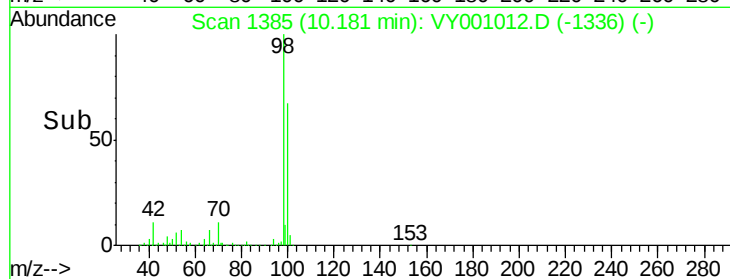
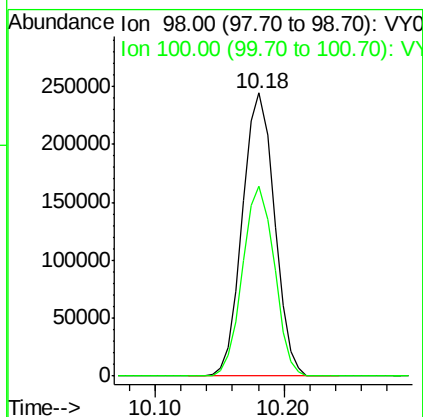
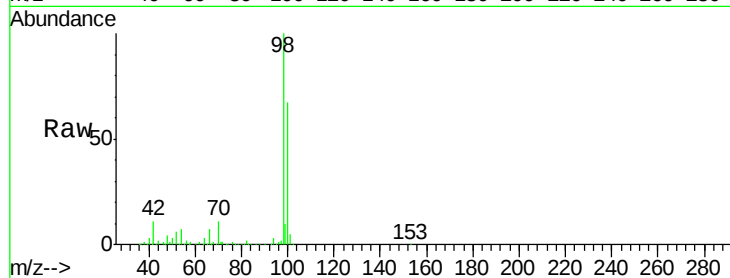
TP2-6RE

Tgt Ion: 98 Resp: 419881

Ion Ratio Lower Upper

98 100

100 66.5 53.1 79.7



#62

4-Bromofluorobenzene

Concen: 22.453 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY001012.D

Acq: 19 Dec 2019 13:58

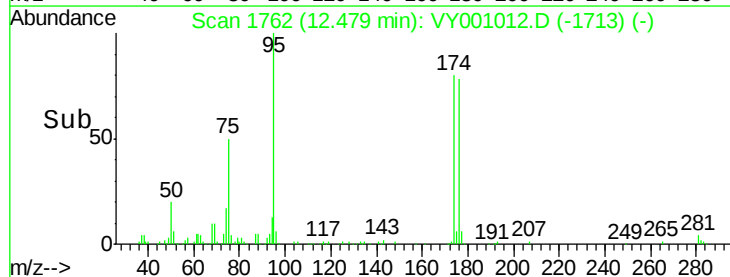
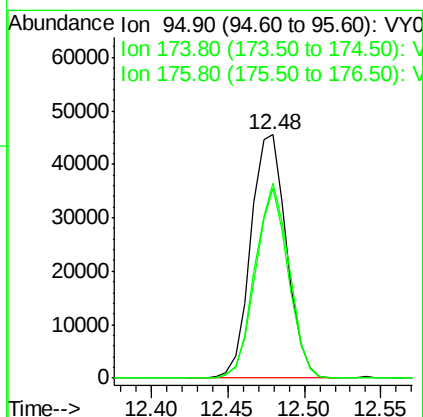
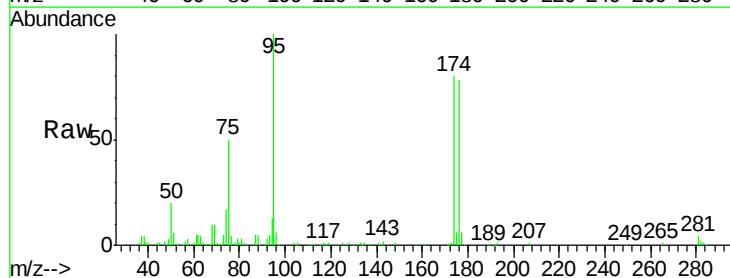
Tgt Ion: 95 Resp: 73666

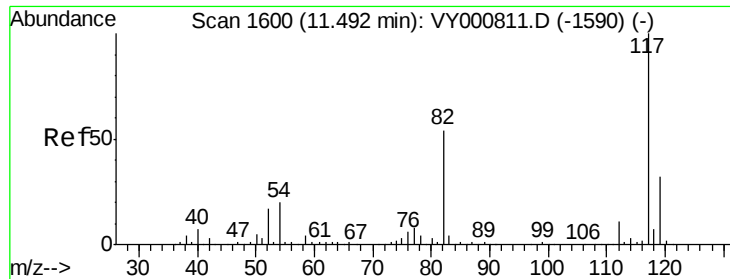
Ion Ratio Lower Upper

95 100

174 76.9 0.0 150.6

176 72.7 0.0 145.2

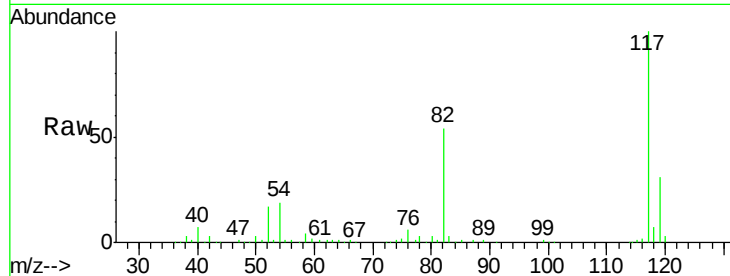




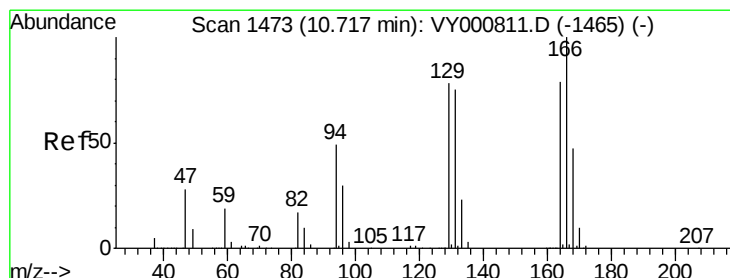
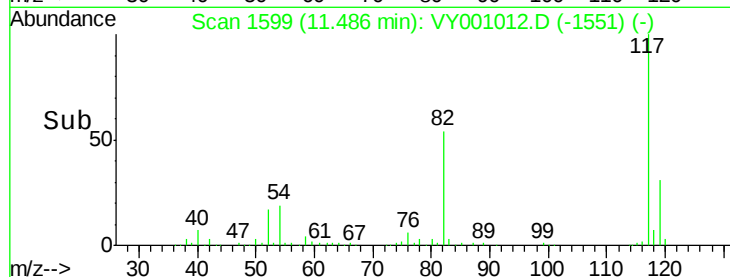
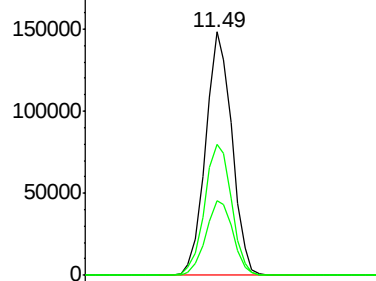
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VY001012.D
Acq: 19 Dec 2019 13:58

Instrument :
MSVOA_Y
ClientSampleId :
TP2-6RE

Tgt Ion:117 Resp: 233655
Ion Ratio Lower Upper
117 100
82 53.9 43.1 64.7
119 30.6 25.3 37.9

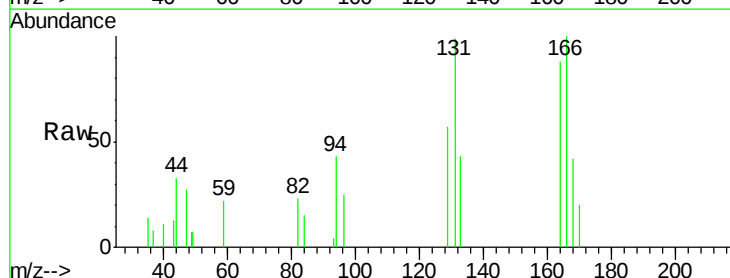


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

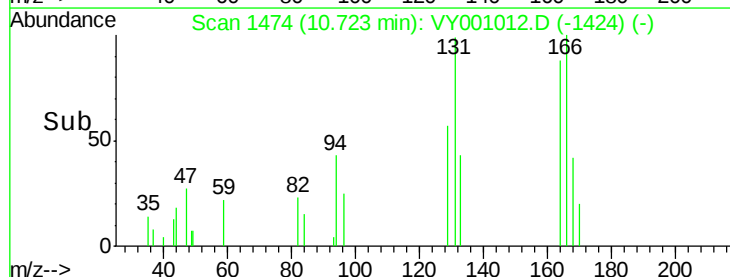
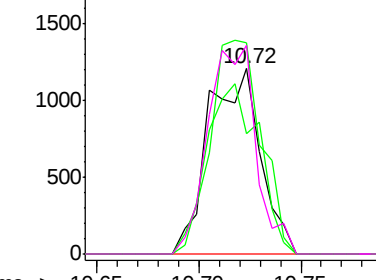


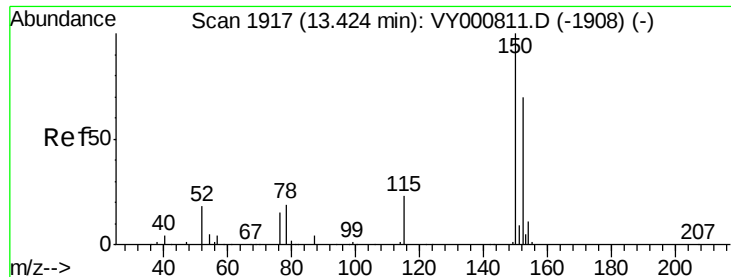
#64
Tetrachloroethene
Concen: 1.053 ug/l
RT: 10.72 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VY001012.D
Acq: 19 Dec 2019 13:58

Tgt Ion:164 Resp: 2137
Ion Ratio Lower Upper
164 100
166 114.2 101.8 152.8
129 64.9 79.3 118.9#
131 113.0 76.4 114.6



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





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. -0.00 min

Lab File: VY001012.D

Acq: 19 Dec 2019 13:58

Instrument :

MSVOA_Y

ClientSampleId :

TP2-6RE

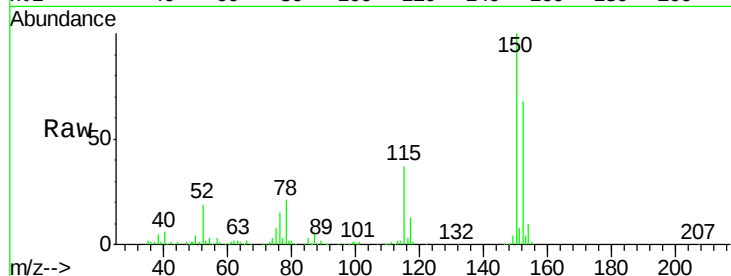
Tgt Ion:152 Resp: 60054

Ion Ratio Lower Upper

152 100

115 58.4 29.3 87.8

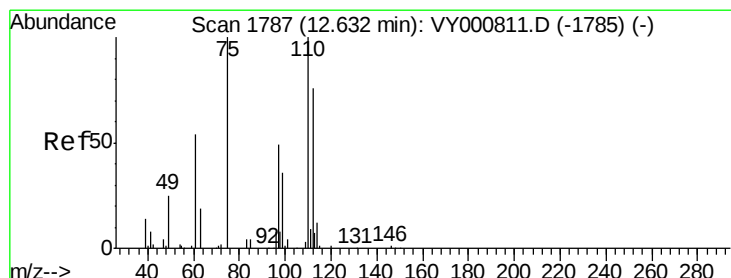
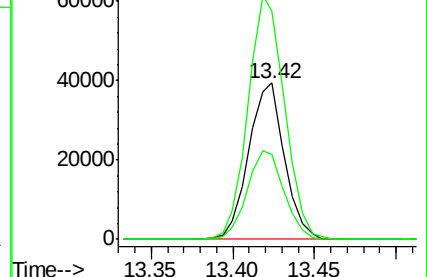
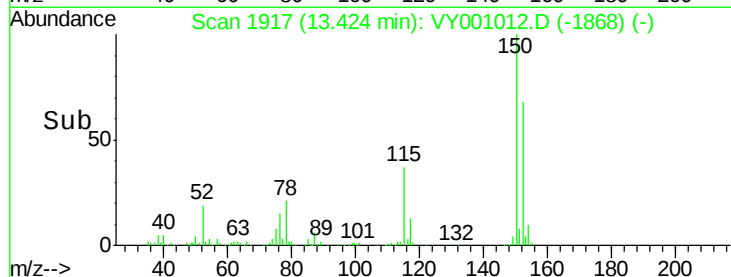
150 159.0 0.0 351.2



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



#76

1,2,3-Trichloropropane

Concen: 52.852 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY001012.D

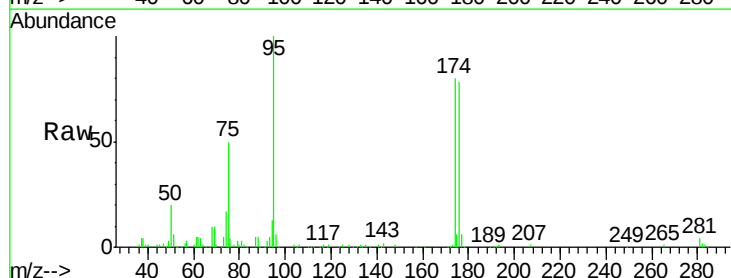
Acq: 19 Dec 2019 13:58

Tgt Ion: 75 Resp: 35961

Ion Ratio Lower Upper

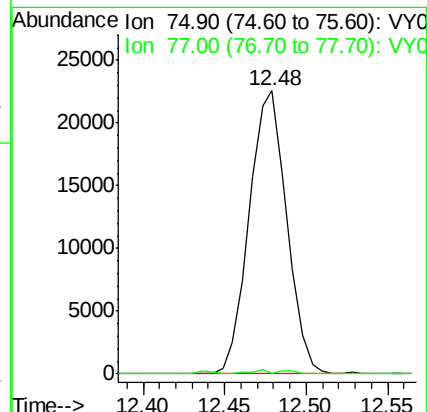
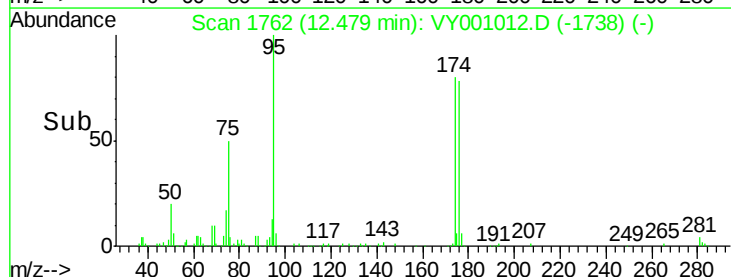
75 100

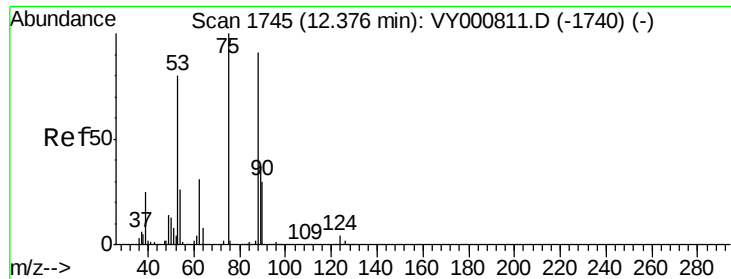
77 0.7 0.0 0.0#



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: 103.817 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY001012.D

Acq: 19 Dec 2019 13:58

Instrument :

MSVOA_Y

ClientSampleId :

TP2-6RE

Tgt Ion: 75 Resp: 35961

Ion Ratio Lower Upper

75 100

53 0.1 64.6 96.8#

89 0.2 33.6 50.4#

