

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY121719\
 Data File : VY000988.D
 Acq On : 17 Dec 2019 18:47
 Operator : SY/MD
 Sample : K6357-18
 Misc : 5.11G/5ML/MSVOA_Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 PF-M

Quant Time: Dec 18 05:53:13 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	126469	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	228762	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	203918	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	92443	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	71737	53.38	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	106.76%	
35) Dibromofluoromethane	7.73	113	66896	50.18	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.36%	
50) Toluene-d8	10.18	98	277034	51.97	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	103.94%	
62) 4-Bromofluorobenzene	12.48	95	86477	43.20	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	86.40%	

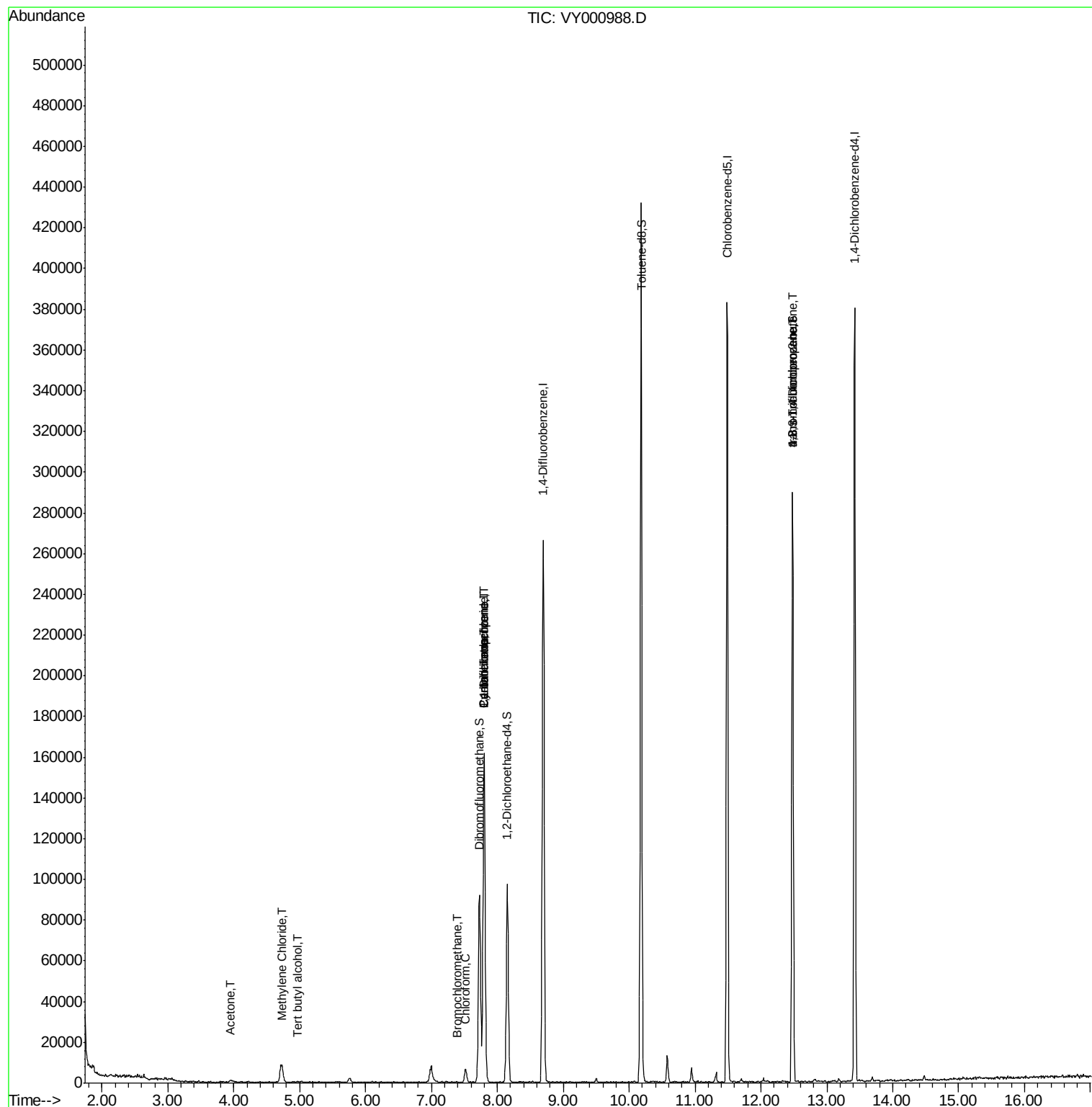
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.64	94	40	Below Cal	#	3
11) Tert butyl alcohol	4.96	59	219	1.620	ug/l #	74
16) Acetone	3.94	43	2169	7.036	ug/l #	66
20) Methylene Chloride	4.72	84	6870	4.228	ug/l #	82
28) Bromochloromethane	7.39	49	65	2.079	ug/l #	15
30) Chloroform	7.51	83	6405	2.371	ug/l	92
31) Cyclohexane	7.79	56	3076	1.078	ug/l #	47
36) 1,1-Dichloropropene	7.80	75	10625	4.671	ug/l #	49
38) Carbon Tetrachloride	7.80	117	13254	6.543	ug/l #	14
76) 1,2,3-Trichloropropane	12.48	75	45647	43.583	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	45647	85.608	ug/l #	17

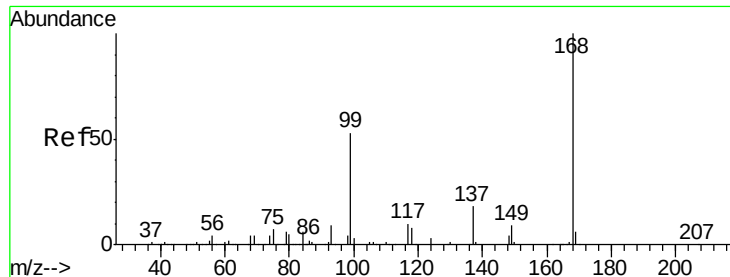
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.00 min

Lab File: VY000988.D

Acq: 17 Dec 2019 18:47

Instrument :

MSVOA_Y

ClientSampleId :

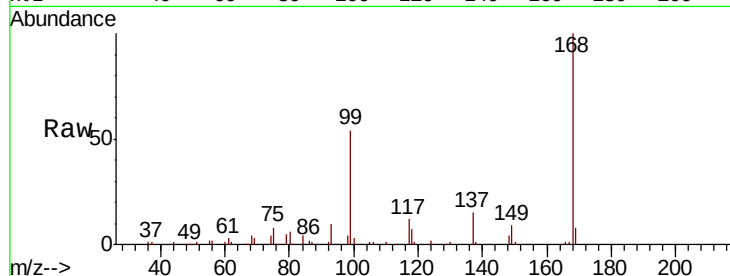
PF-M

Tgt Ion: 168 Resp: 126469

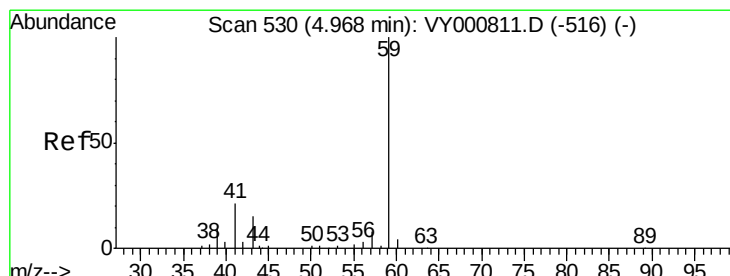
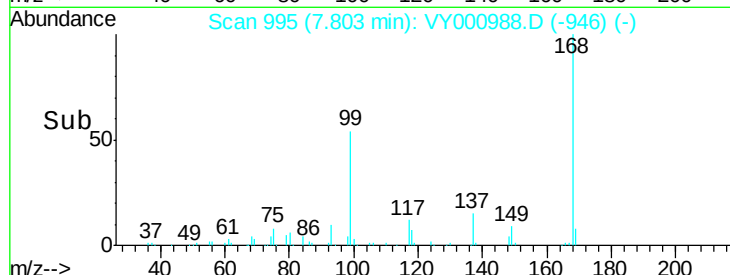
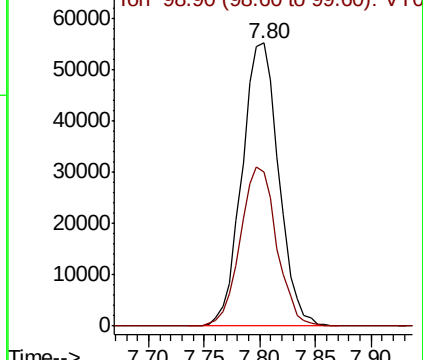
Ion Ratio Lower Upper

168 100

99 54.2 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): VY000988.D (-946) (-)



#11

Tert butyl alcohol

Concen: 1.620 ug/l

RT: 4.96 min Scan# 528

Delta R.T. -0.01 min

Lab File: VY000988.D

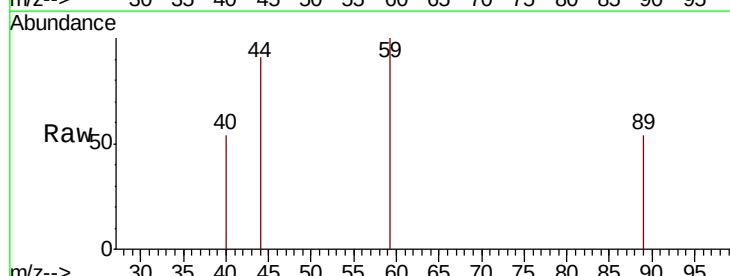
Acq: 17 Dec 2019 18:47

Tgt Ion: 59 Resp: 219

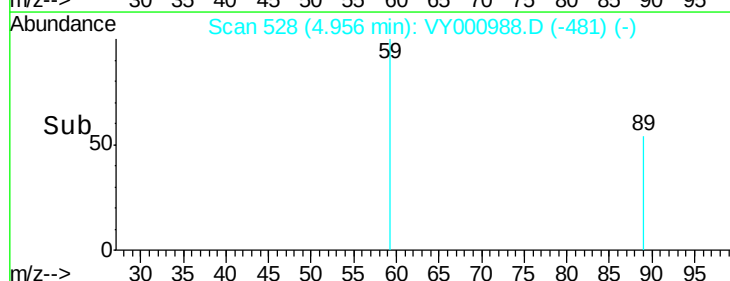
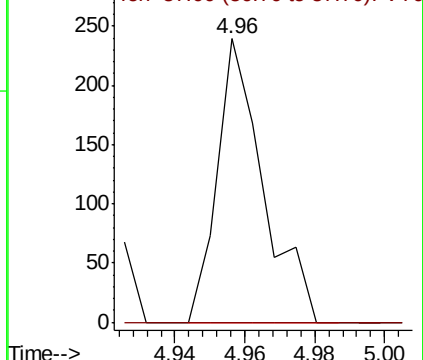
Ion Ratio Lower Upper

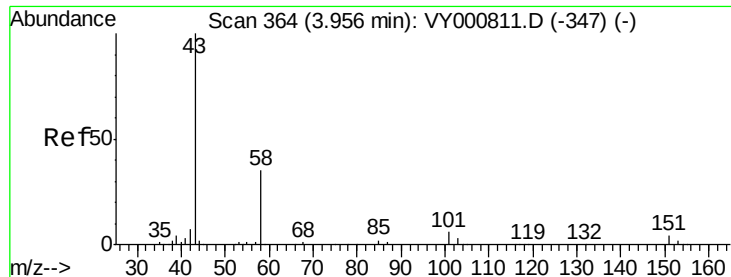
59 100

57 0.0 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VY000988.D (-481) (-)

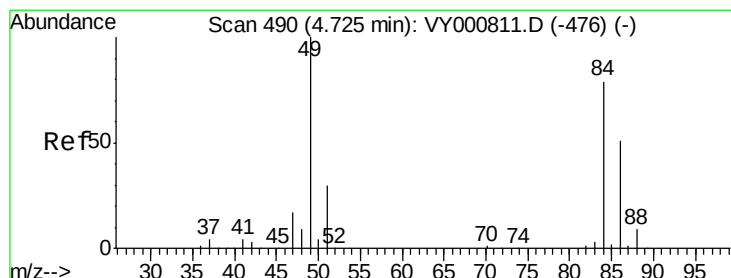
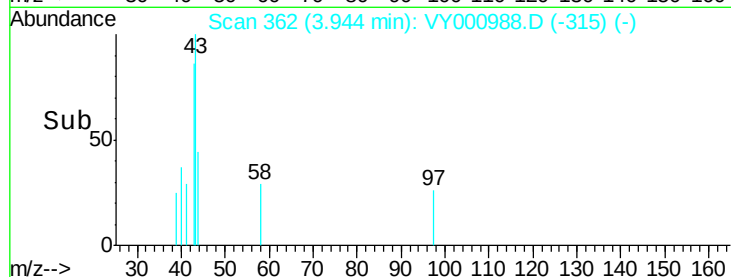
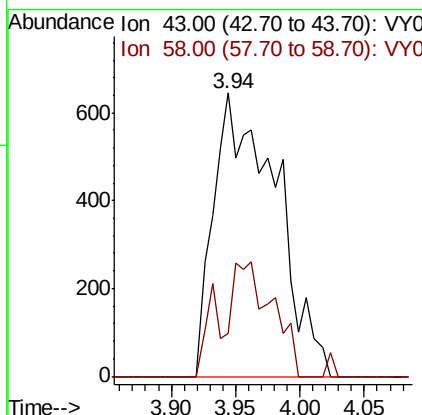
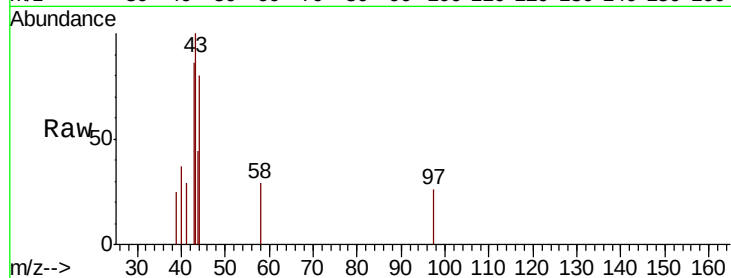




#16
Acetone
Concen: 7.036 ug/l
RT: 3.94 min Scan# 362
Delta R.T. -0.01 min
Lab File: VY000988.D
Acq: 17 Dec 2019 18:47

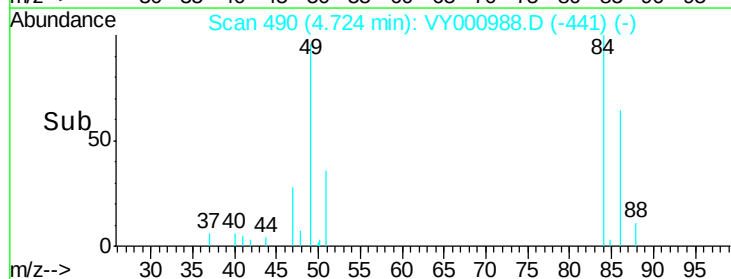
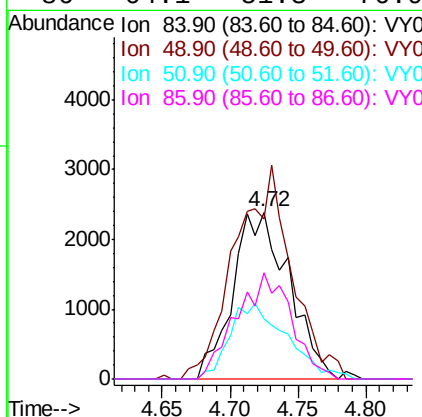
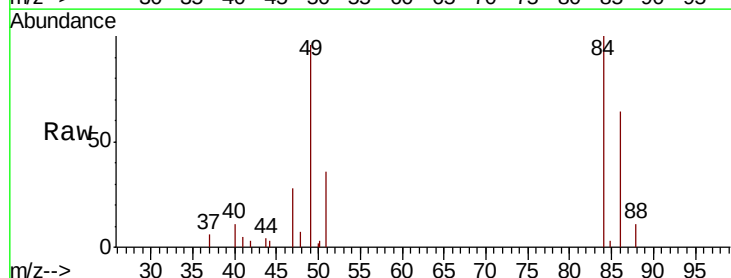
Instrument :
MSVOA_Y
ClientSampled :
PF-M

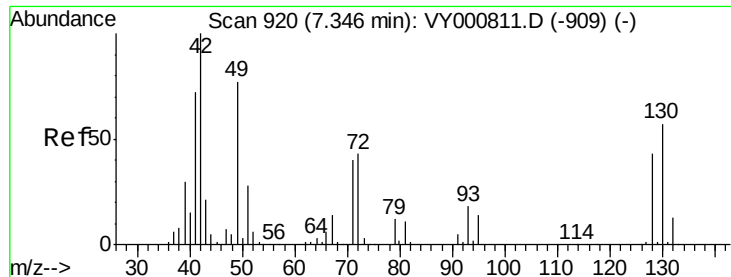
Tgt Ion: 43 Resp: 2169
Ion Ratio Lower Upper
43 100
58 15.3 28.0 42.0#



#20
Methylene Chloride
Concen: 4.228 ug/l
RT: 4.72 min Scan# 490
Delta R.T. -0.00 min
Lab File: VY000988.D
Acq: 17 Dec 2019 18:47

Tgt Ion: 84 Resp: 6870
Ion Ratio Lower Upper
84 100
49 90.3 101.3 151.9#
51 36.3 30.6 45.8
86 64.1 51.3 76.9





#28

Bromochloromethane

Concen: 2.079 ug/l

RT: 7.39 min Scan# 928

Delta R.T. 0.05 min

Lab File: VY000988.D

Acq: 17 Dec 2019 18:47

Instrument :

MSVOA_Y

ClientSampled :

PF-M

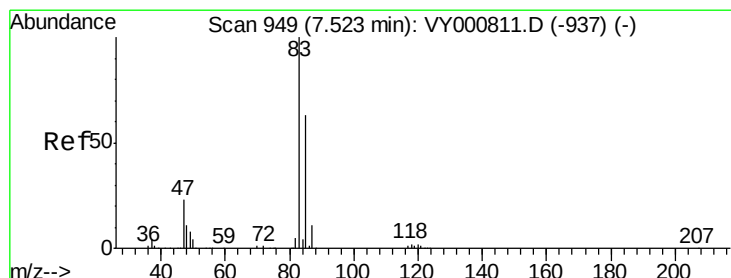
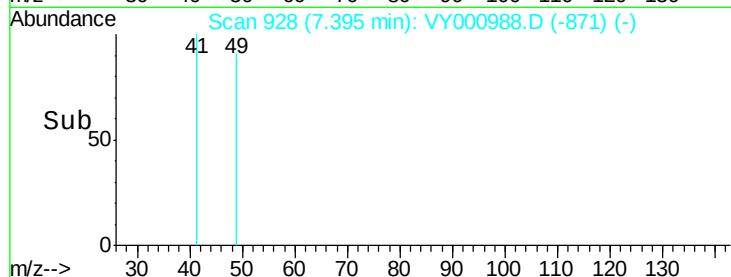
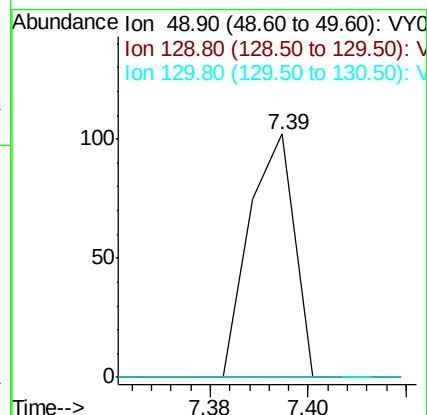
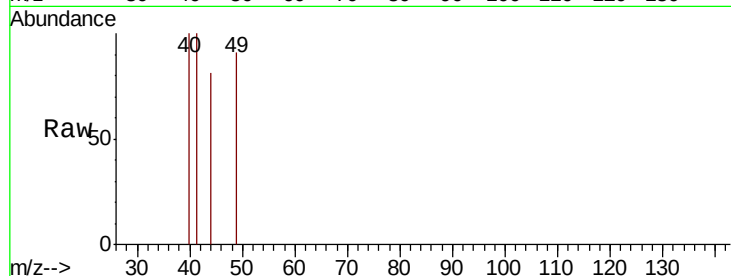
Tgt Ion: 49 Resp: 65

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

130 0.0 58.7 88.1#



#30

Chloroform

Concen: 2.371 ug/l

RT: 7.51 min Scan# 947

Delta R.T. -0.01 min

Lab File: VY000988.D

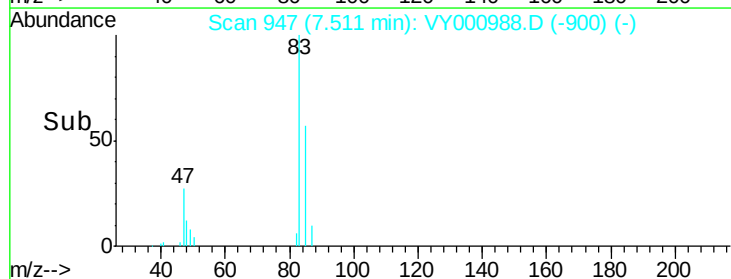
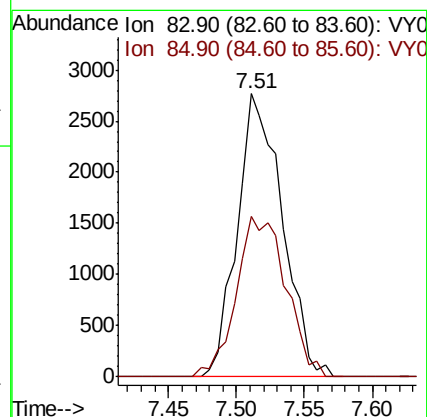
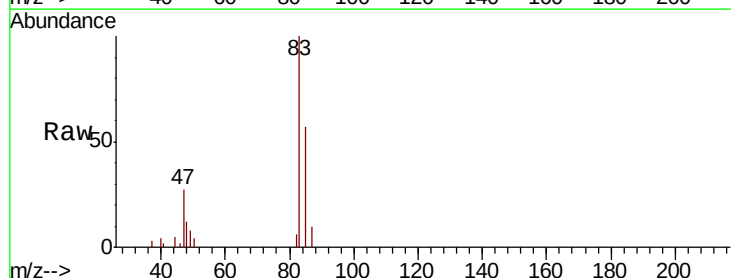
Acq: 17 Dec 2019 18:47

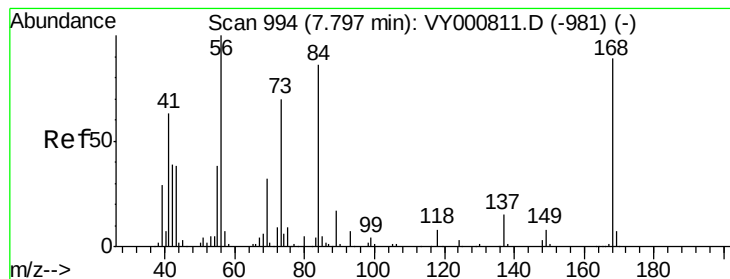
Tgt Ion: 83 Resp: 6405

Ion Ratio Lower Upper

83 100

85 56.8 50.4 75.6





#31

Cyclohexane

Concen: 1.078 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.01 min

Lab File: VY000988.D

Acq: 17 Dec 2019 18:47

Instrument :

MSVOA_Y

ClientSampleId :

PF-M

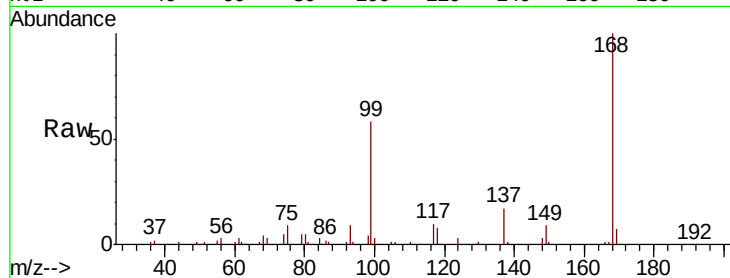
Tgt Ion: 56 Resp: 3076

Ion Ratio Lower Upper

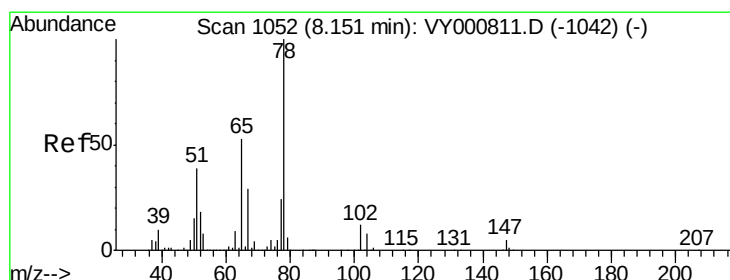
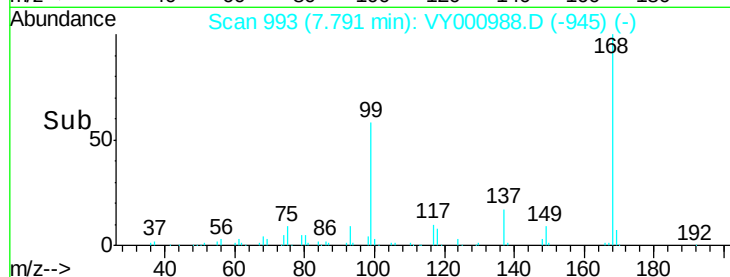
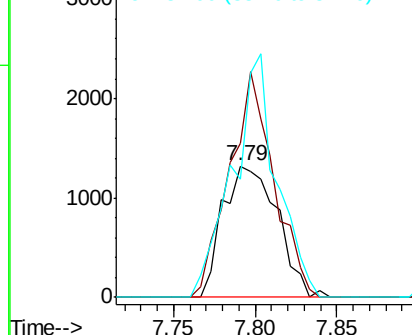
56 100

69 117.3 25.9 38.9#

84 100.2 68.6 102.8



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: 53.382 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.00 min

Lab File: VY000988.D

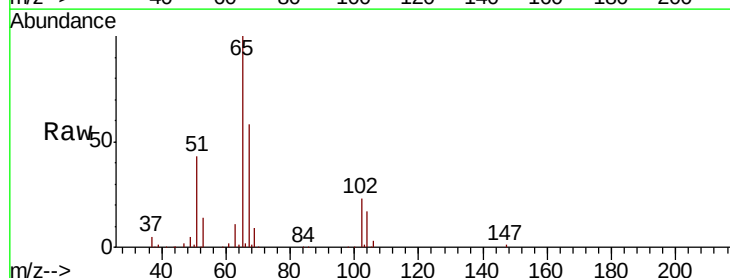
Acq: 17 Dec 2019 18:47

Tgt Ion: 65 Resp: 71737

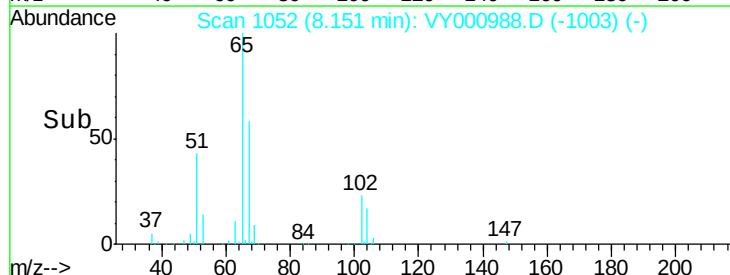
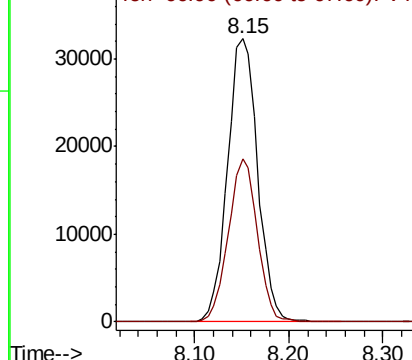
Ion Ratio Lower Upper

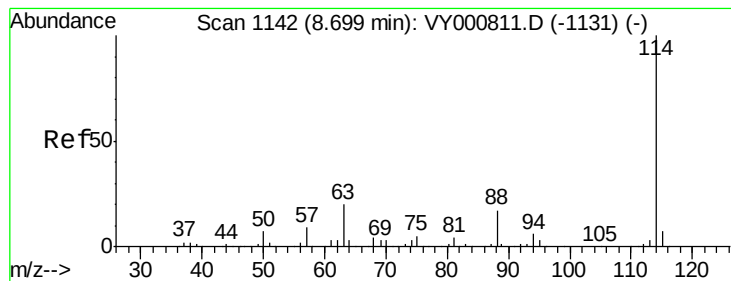
65 100

67 55.1 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: 8.69 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VY000988.D

Acq: 17 Dec 2019 18:47

Instrument :

MSVOA_Y

ClientSampleId :

PF-M

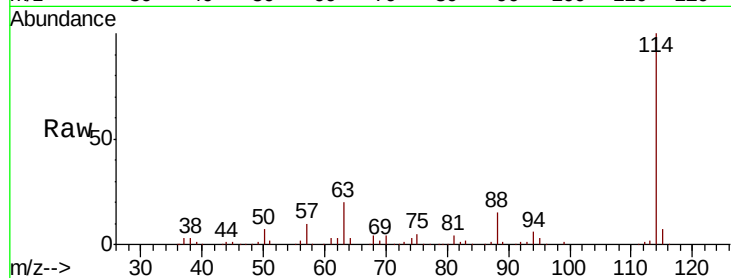
Tgt Ion:114 Resp: 228762

Ion Ratio Lower Upper

114 100

63 20.2 0.0 39.8

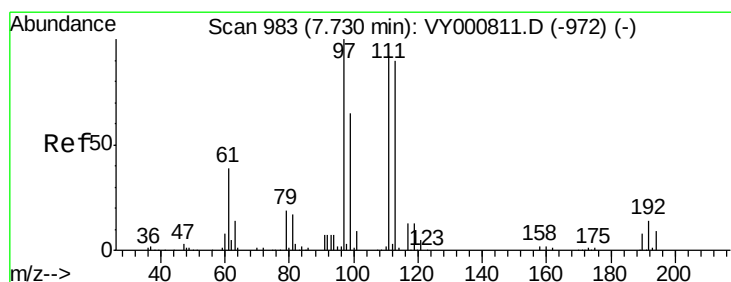
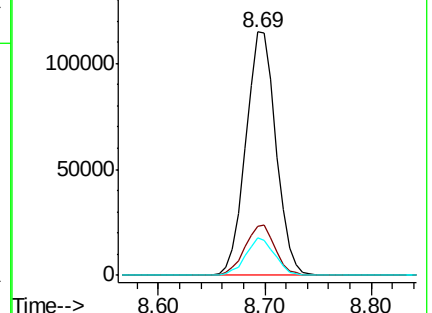
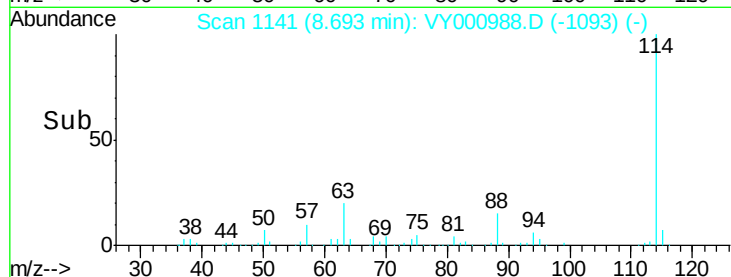
88 15.4 0.0 33.2



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: 50.176 ug/l

RT: 7.73 min Scan# 983

Delta R.T. -0.00 min

Lab File: VY000988.D

Acq: 17 Dec 2019 18:47

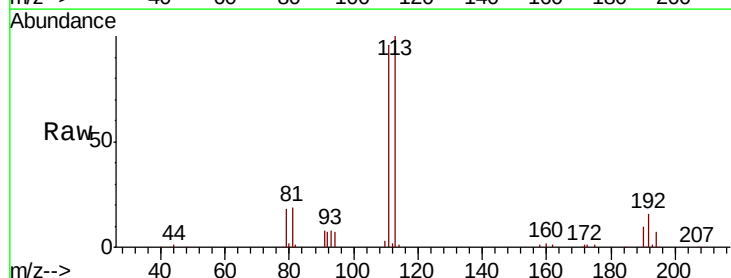
Tgt Ion:113 Resp: 66896

Ion Ratio Lower Upper

113 100

111 101.3 82.4 123.6

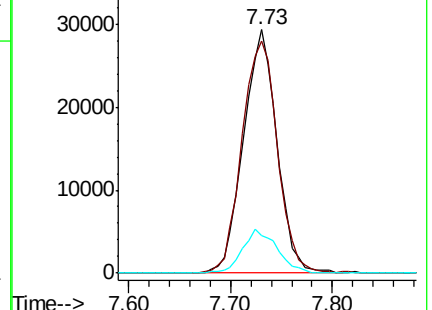
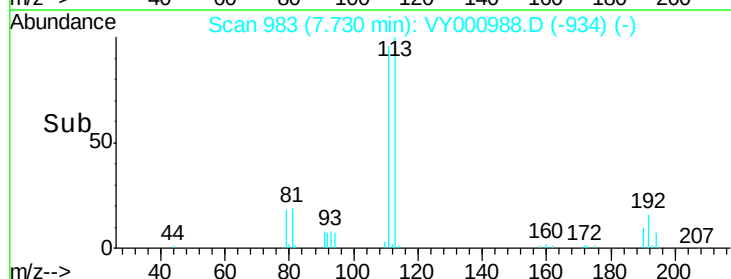
192 18.7 14.2 21.2

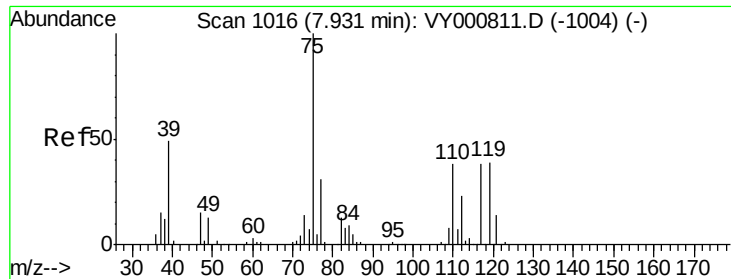


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

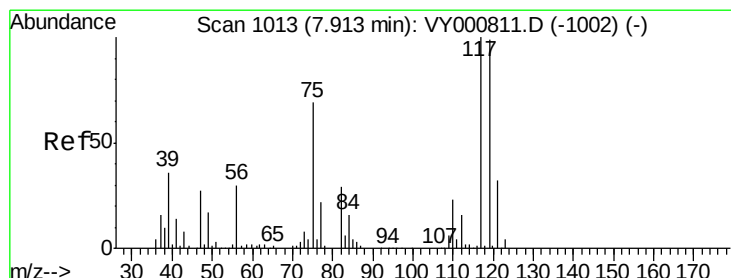
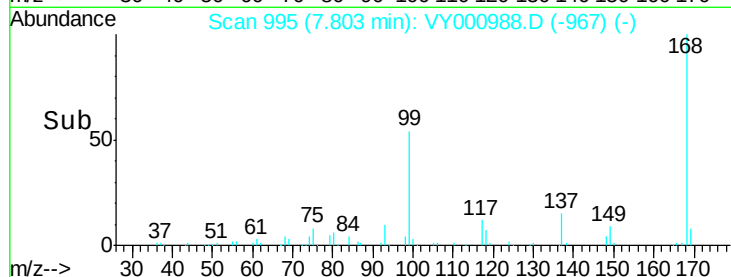
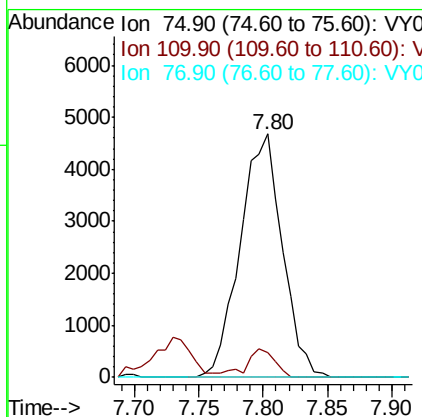
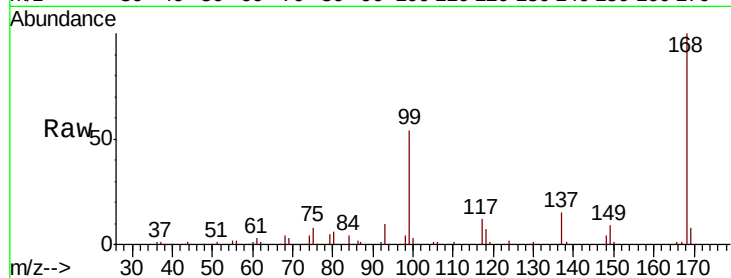




#36
 1,1-Dichloropropene
 Concen: 4.671 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.13 min
 Lab File: VY000988.D
 Acq: 17 Dec 2019 18:47

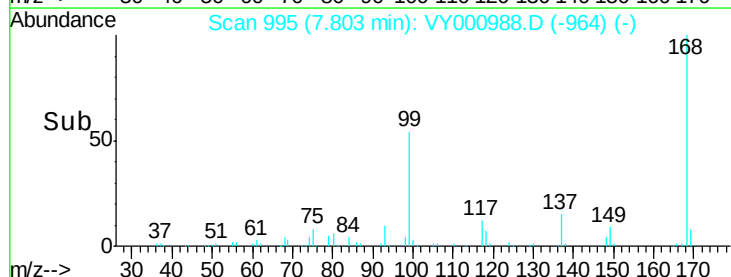
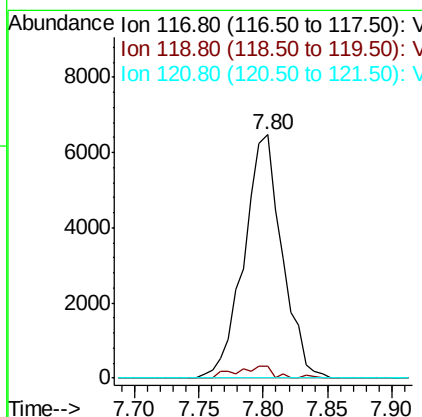
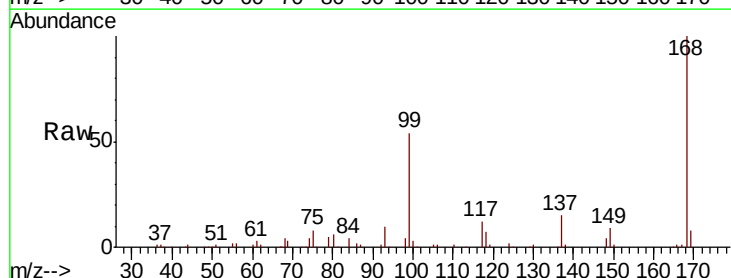
Instrument :
 MSVOA_Y
 ClientSampleId :
 PF-M

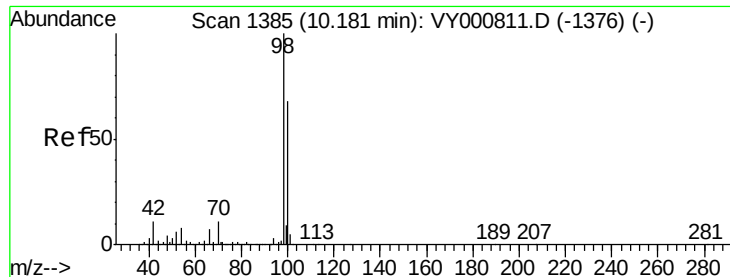
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.1	17.9	53.7#
77	0.0	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 6.543 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.11 min
 Lab File: VY000988.D
 Acq: 17 Dec 2019 18:47

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.8	79.3	118.9#
121	0.0	25.5	38.3#





#50

Toluene-d8

Concen: 51.975 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY000988.D

Acq: 17 Dec 2019 18:47

Instrument :

MSVOA_Y

ClientSampleId :

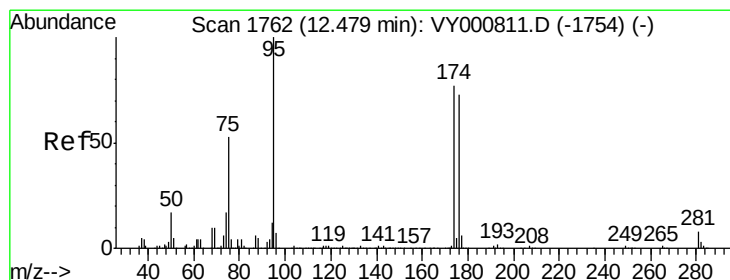
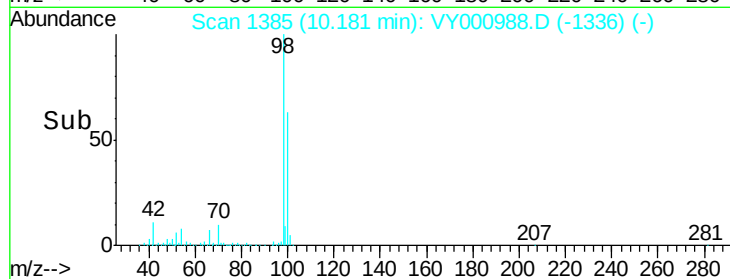
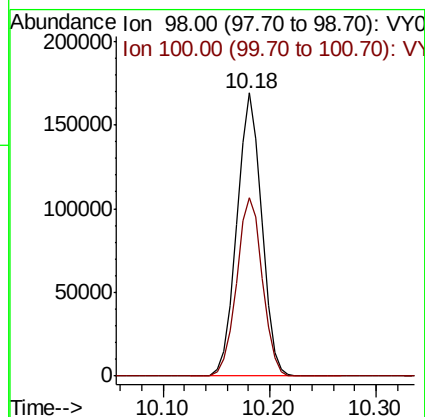
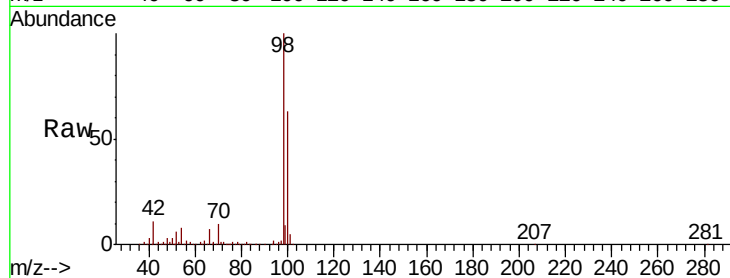
PF-M

Tgt Ion: 98 Resp: 277034

Ion Ratio Lower Upper

98 100

100 64.9 53.1 79.7



#62

4-Bromofluorobenzene

Concen: 43.201 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY000988.D

Acq: 17 Dec 2019 18:47

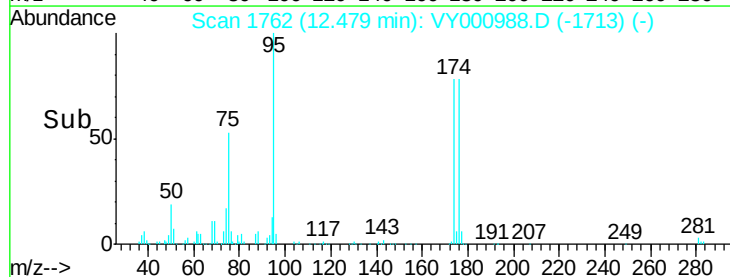
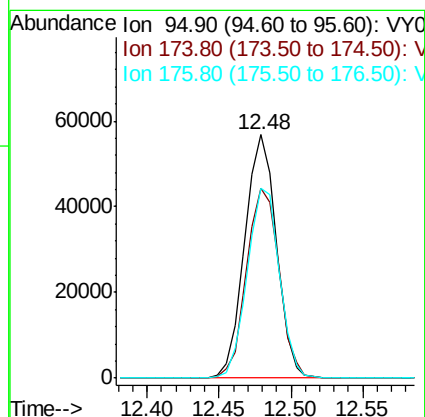
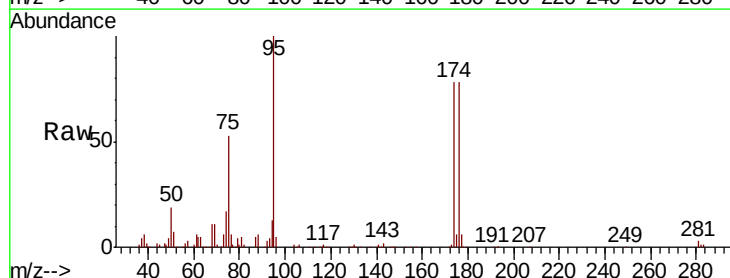
Tgt Ion: 95 Resp: 86477

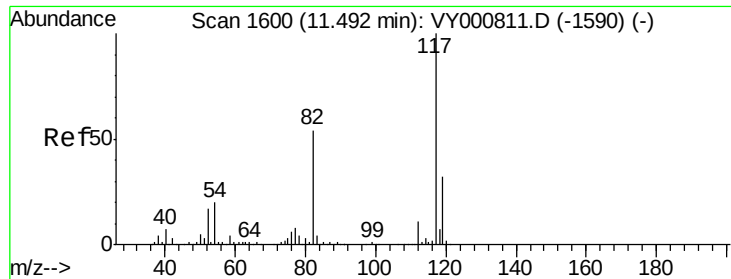
Ion Ratio Lower Upper

95 100

174 80.1 0.0 150.6

176 79.1 0.0 145.2

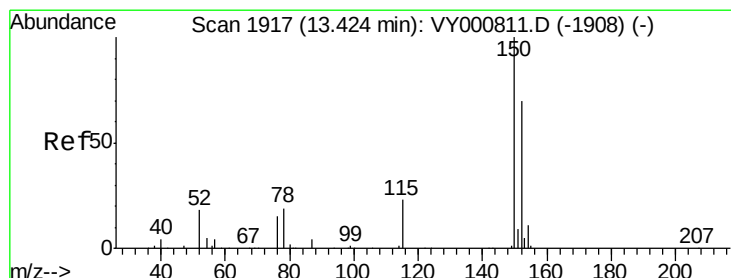
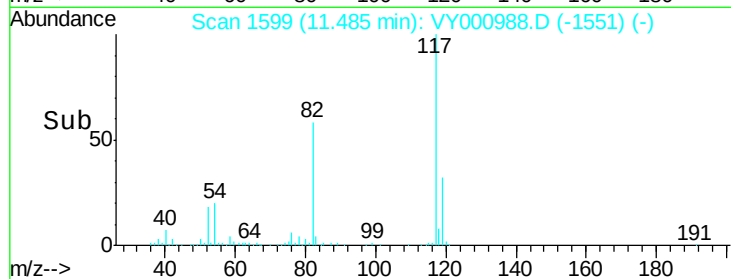
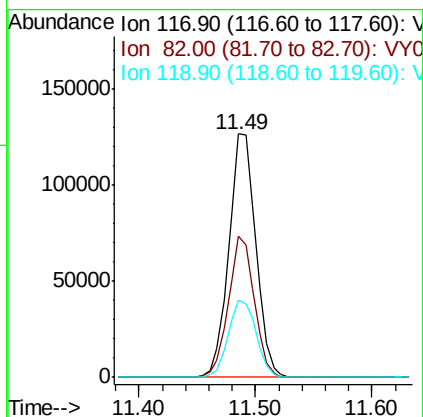
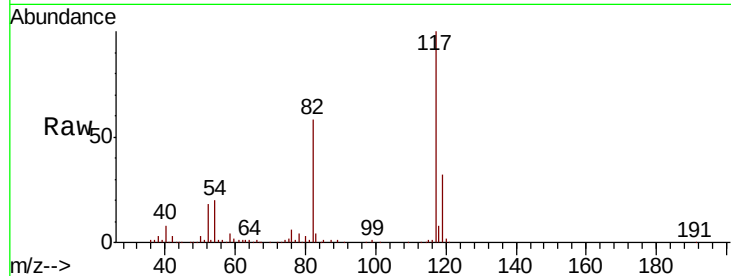




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VY000988.D
Acq: 17 Dec 2019 18:47

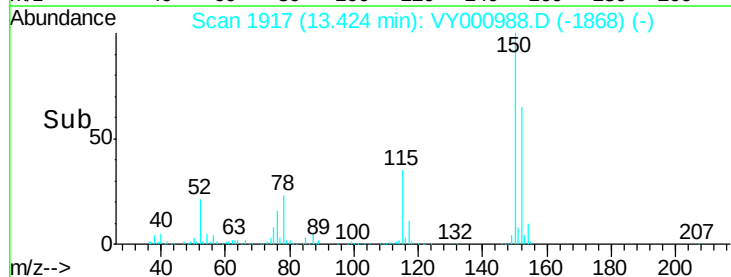
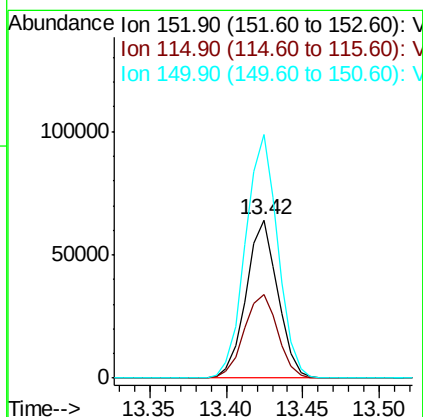
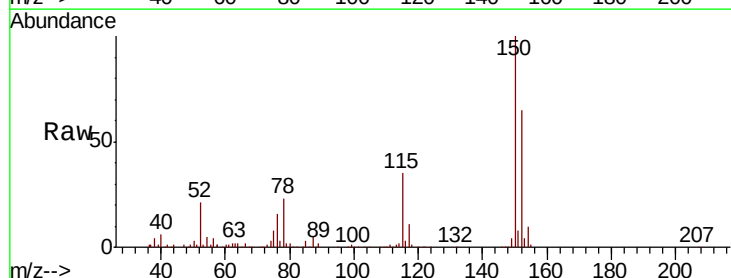
Instrument :
MSVOA_Y
ClientSampleId :
PF-M

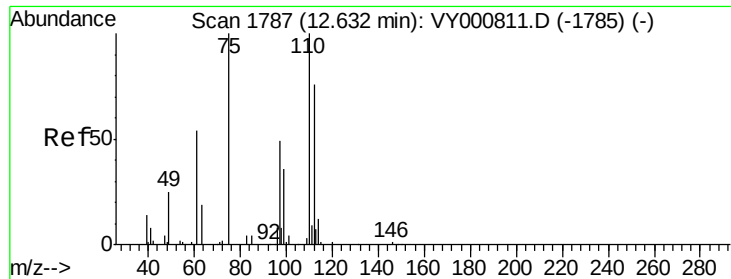
Tgt Ion:117 Resp: 203918
Ion Ratio Lower Upper
117 100
82 58.1 43.1 64.7
119 31.9 25.3 37.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY000988.D
Acq: 17 Dec 2019 18:47

Tgt Ion:152 Resp: 92443
Ion Ratio Lower Upper
152 100
115 56.3 29.3 87.8
150 157.3 0.0 351.2





#76

1,2,3-Trichloropropane

Concen: 43.583 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY000988.D

Acq: 17 Dec 2019 18:47

Instrument :

MSVOA_Y

ClientSampleId :

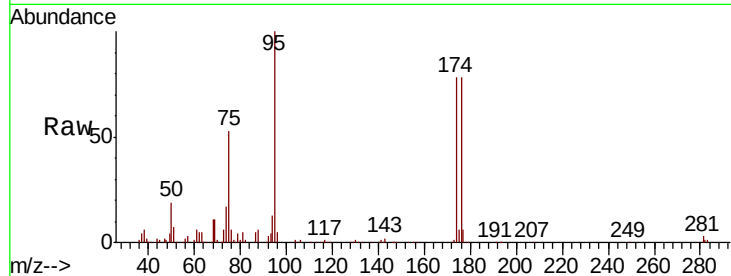
PF-M

Tgt Ion: 75 Resp: 45647

Ion Ratio Lower Upper

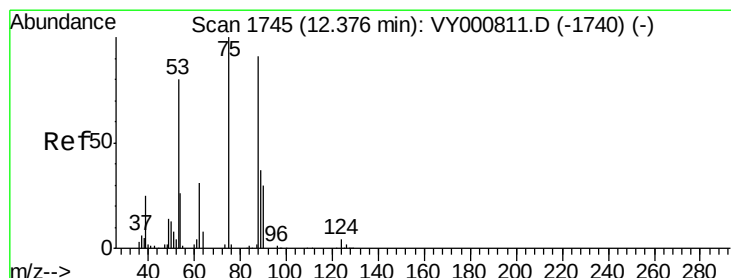
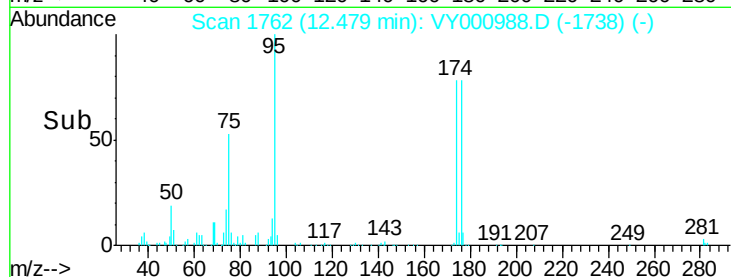
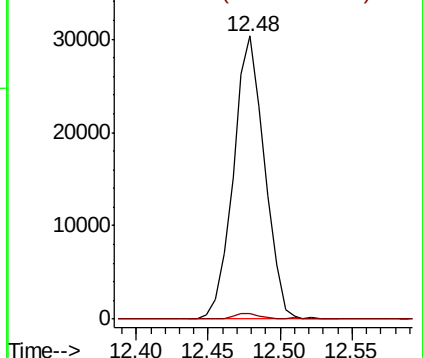
75 100

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



#81

trans-1,4-Dichloro-2-butene

Concen: 85.608 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000988.D

Acq: 17 Dec 2019 18:47

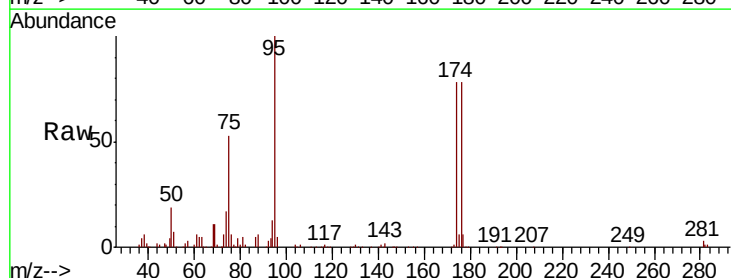
Tgt Ion: 75 Resp: 45647

Ion Ratio Lower Upper

75 100

53 0.0 64.6 96.8#

89 0.1 33.6 50.4#



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

