

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY121719\
 Data File : VY000984.D
 Acq On : 17 Dec 2019 17:19
 Operator : SY/MD
 Sample : K6357-14
 Misc : 5.09G/5ML/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 PF-I

Quant Time: Dec 18 05:52:31 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	141134	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	256326	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	227518	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	97613	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	77485	51.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.34%	
35) Dibromofluoromethane	7.73	113	73143	48.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.92%	
50) Toluene-d8	10.18	98	303735	50.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.72%	
62) 4-Bromofluorobenzene	12.48	95	96523	43.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.06%	

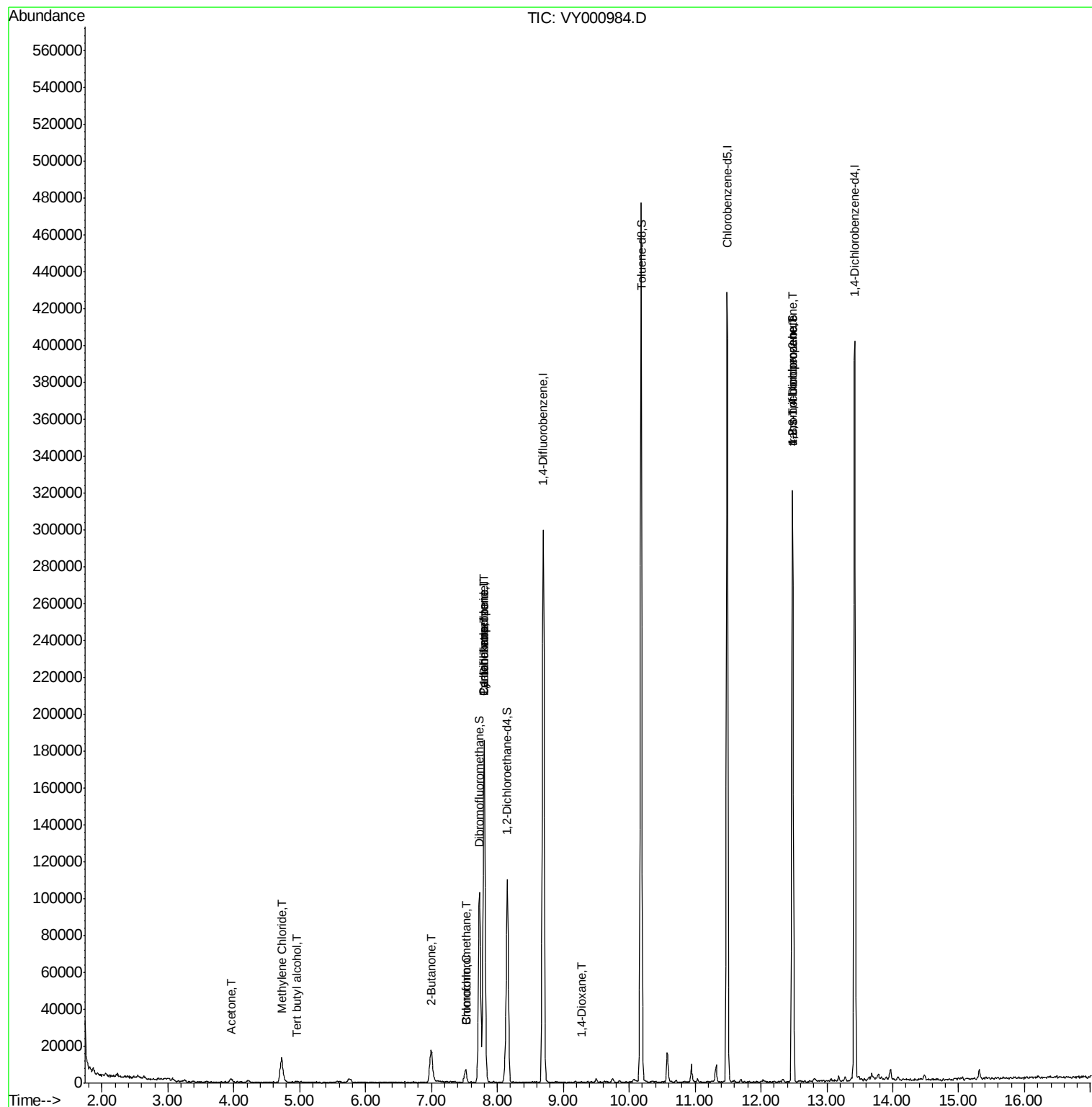
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.66	94	192	Below Cal	#	3
11) Tert butyl alcohol	4.95	59	1121	7.430	ug/l #	74
16) Acetone	3.96	43	3396	9.871	ug/l #	79
20) Methylene Chloride	4.73	84	9489	5.233	ug/l	92
25) 2-Butanone	6.99	43	1561	2.456	ug/l	93
28) Bromochloromethane	7.52	49	530	2.477	ug/l #	15
30) Chloroform	7.52	83	7022	2.329	ug/l	97
31) Cyclohexane	7.80	56	3538	1.111	ug/l #	34
36) 1,1-Dichloropropene	7.80	75	11680	4.583	ug/l #	51
38) Carbon Tetrachloride	7.80	117	13579	5.983	ug/l #	19
49) 1,4-Dioxane	9.28	88	25	1.811	ug/l #	27
76) 1,2,3-Trichloropropane	12.48	75	48734	44.065	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	48734	86.557	ug/l #	17

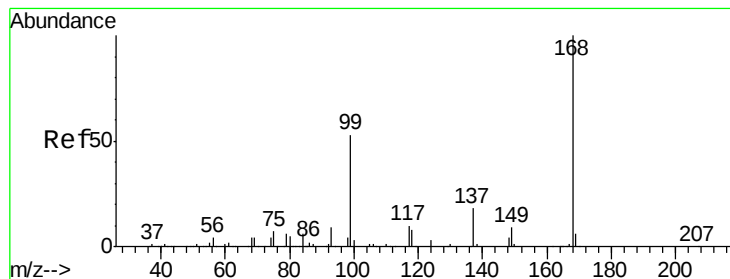
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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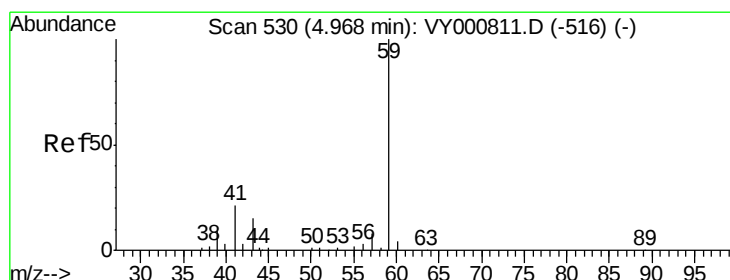
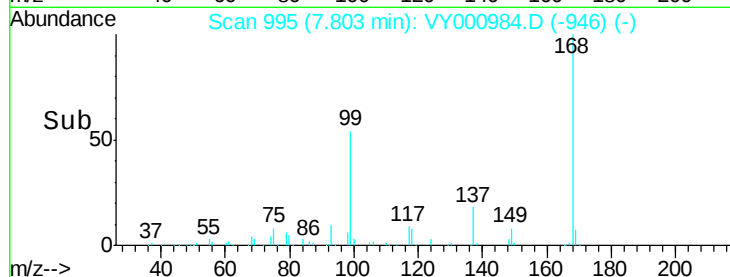
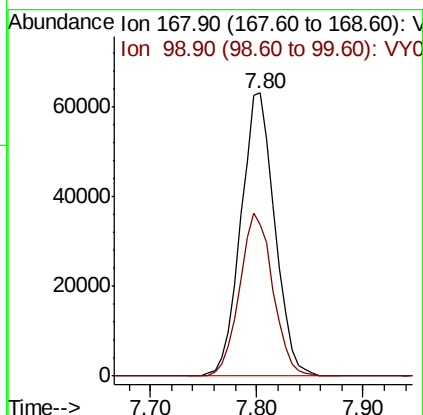
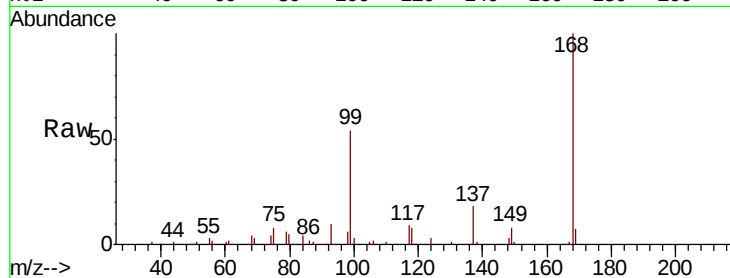




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.80 min Scan# 995
Delta R.T. -0.00 min
Lab File: VY000984.D
Acq: 17 Dec 2019 17:19

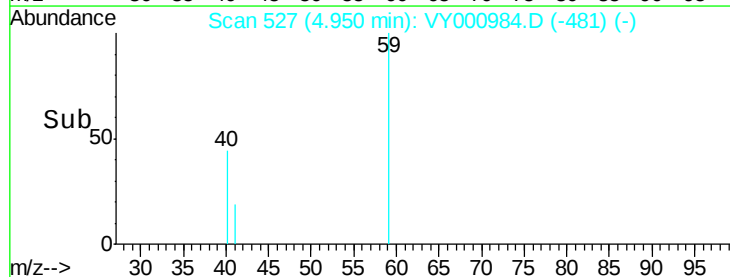
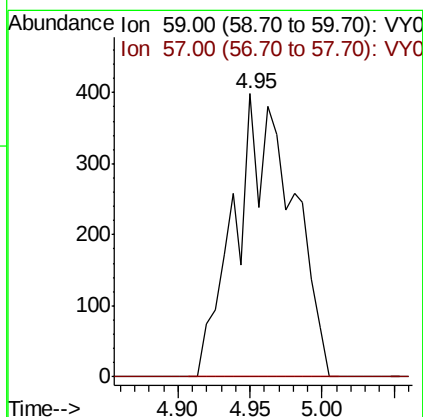
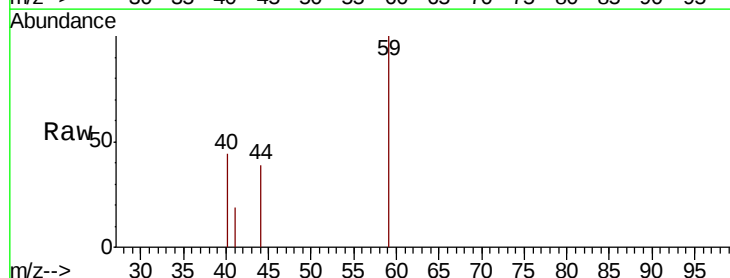
Instrument :
MSVOA_Y
ClientSampleId :
PF-I

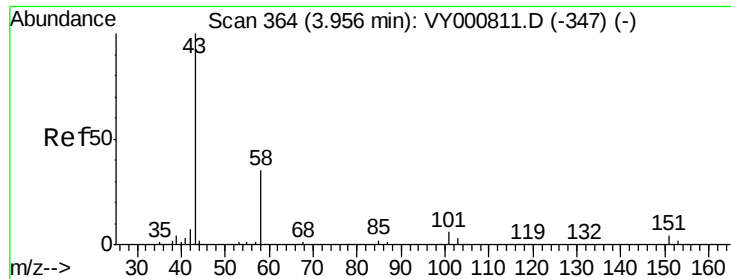
Tgt Ion: 168 Resp: 141134
Ion Ratio Lower Upper
168 100
99 53.8 45.0 67.6



#11
Tert butyl alcohol
Concen: 7.430 ug/l
RT: 4.95 min Scan# 527
Delta R.T. -0.02 min
Lab File: VY000984.D
Acq: 17 Dec 2019 17:19

Tgt Ion: 59 Resp: 1121
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#





#16

Acetone

Concen: 9.871 ug/l

RT: 3.96 min Scan# 364

Delta R.T. -0.00 min

Lab File: VY000984.D

Acq: 17 Dec 2019 17:19

Instrument :

MSVOA_Y

ClientSampled :

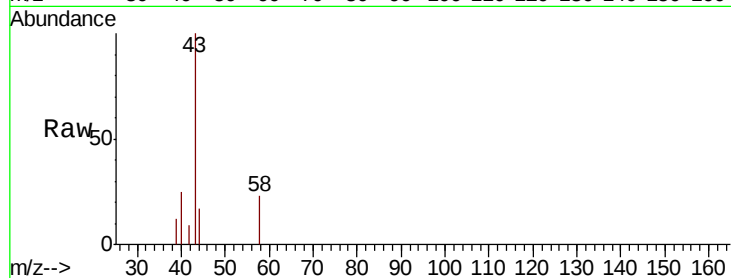
PF-I

Tgt Ion: 43 Resp: 3396

Ion Ratio Lower Upper

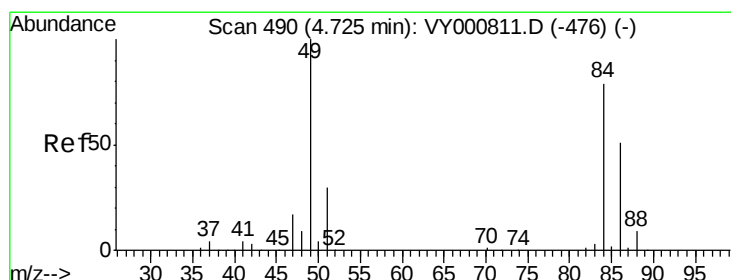
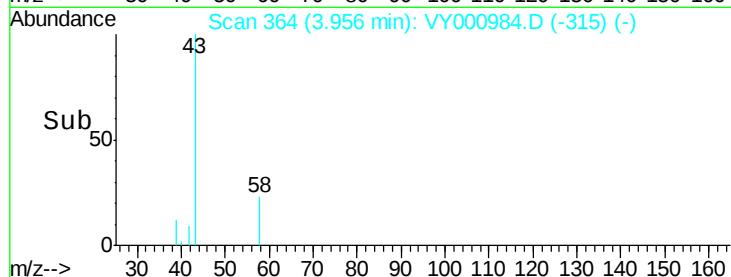
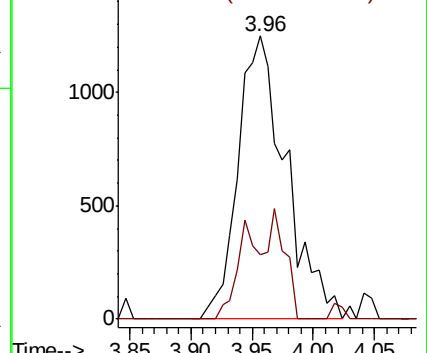
43 100

58 22.8 28.0 42.0#



Abundance Ion 43.00 (42.70 to 43.70): VY000984.D (-315) (-)

Ion 58.00 (57.70 to 58.70): VY000984.D (-315) (-)



#20

Methylene Chloride

Concen: 5.233 ug/l

RT: 4.73 min Scan# 491

Delta R.T. 0.01 min

Lab File: VY000984.D

Acq: 17 Dec 2019 17:19

Tgt Ion: 84 Resp: 9489

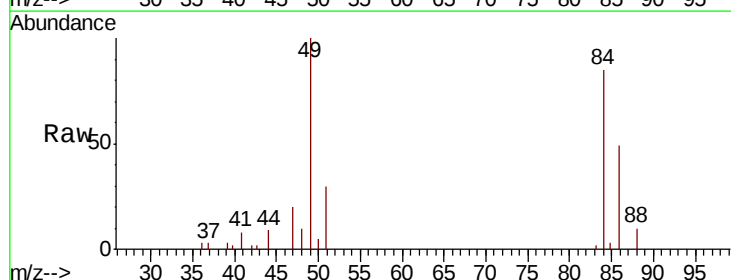
Ion Ratio Lower Upper

84 100

49 117.4 101.3 151.9

51 35.4 30.6 45.8

86 57.6 51.3 76.9

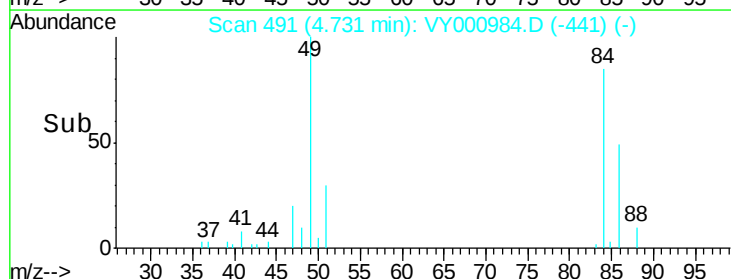
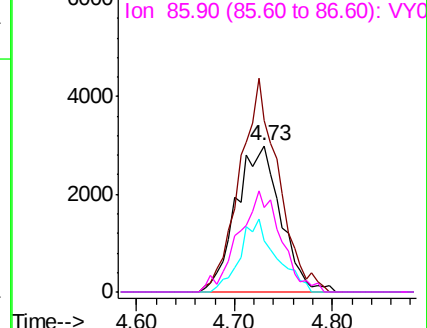


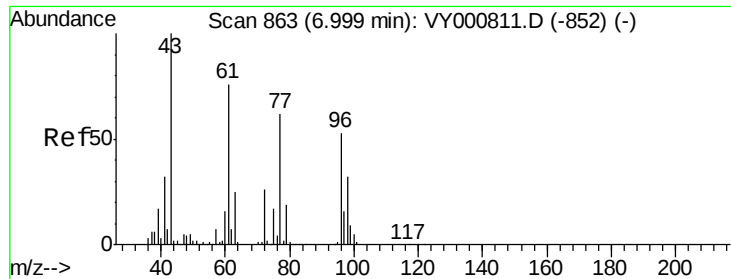
Abundance Ion 83.90 (83.60 to 84.60): VY000984.D (-441) (-)

Ion 48.90 (48.60 to 49.60): VY000984.D (-441) (-)

Ion 50.90 (50.60 to 51.60): VY000984.D (-441) (-)

Ion 85.90 (85.60 to 86.60): VY000984.D (-441) (-)





#25

2-Butanone

Concen: 2.456 ug/l

RT: 6.99 min Scan# 861

Delta R.T. -0.01 min

Lab File: VY000984.D

Acq: 17 Dec 2019 17:19

Instrument :

MSVOA_Y

ClientSampled :

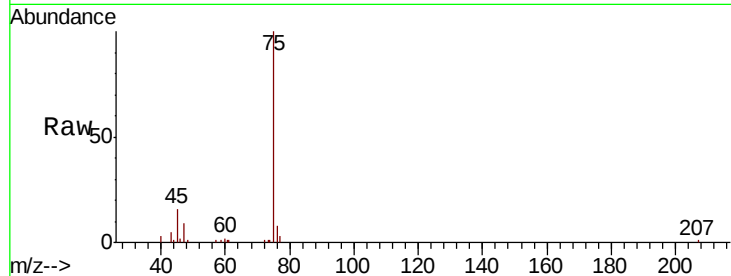
PF-I

Tgt Ion: 43 Resp: 1561

Ion Ratio Lower Upper

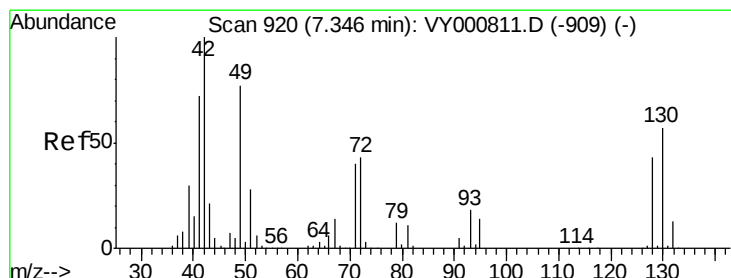
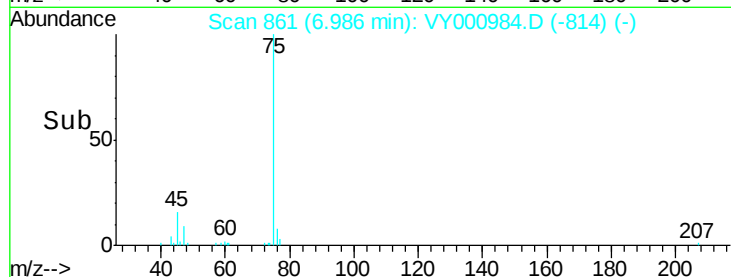
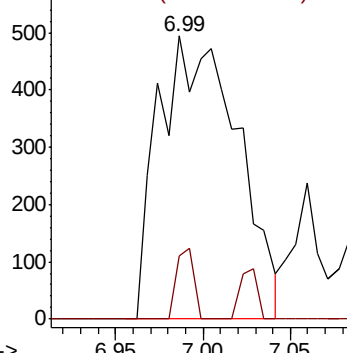
43 100

72 22.5 21.0 31.4



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#28

Bromochloromethane

Concen: 2.477 ug/l

RT: 7.52 min Scan# 948

Delta R.T. 0.17 min

Lab File: VY000984.D

Acq: 17 Dec 2019 17:19

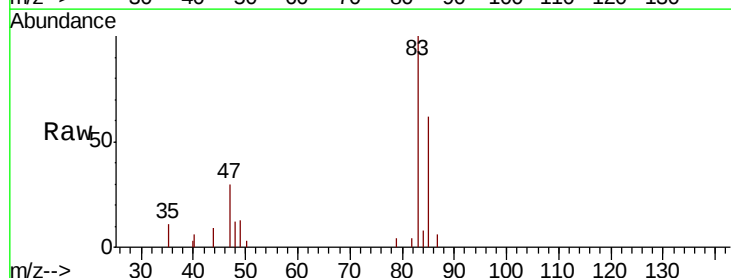
Tgt Ion: 49 Resp: 530

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

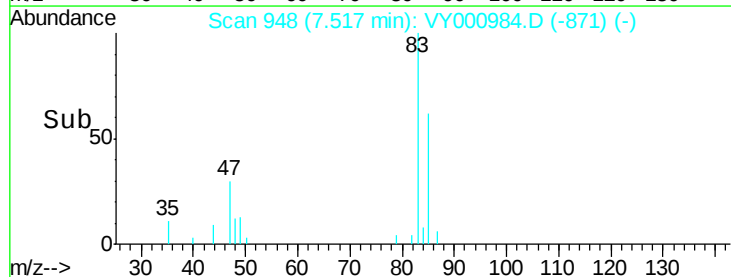
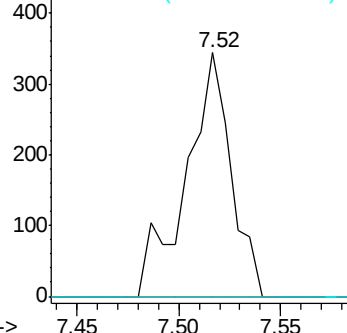
130 0.0 58.7 88.1#

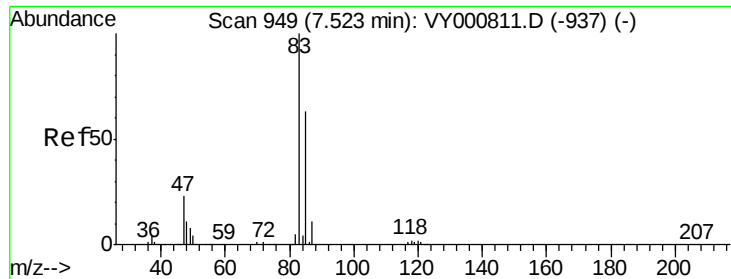


Abundance Ion 48.90 (48.60 to 49.60): VY0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

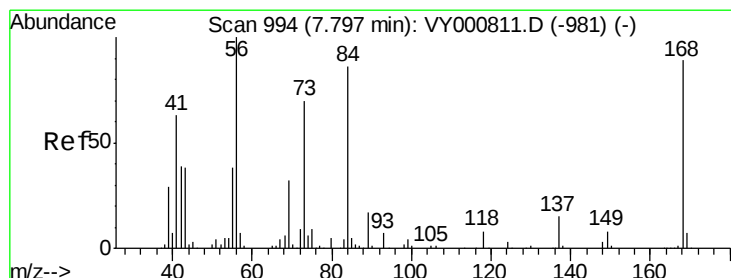
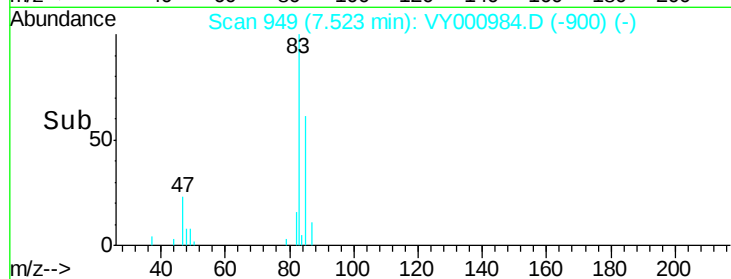
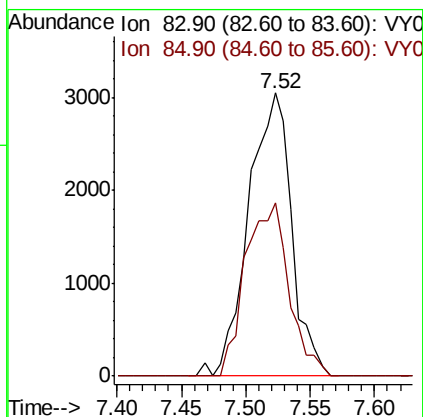
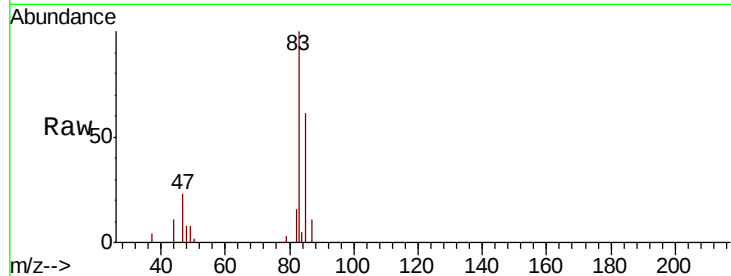




#30
Chloroform
Concen: 2.329 ug/l
RT: 7.52 min Scan# 949
Delta R.T. -0.00 min
Lab File: VY000984.D
Acq: 17 Dec 2019 17:19

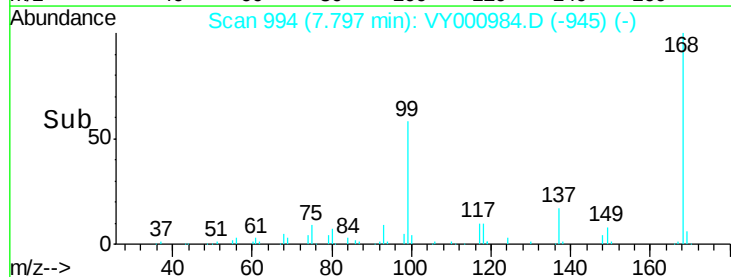
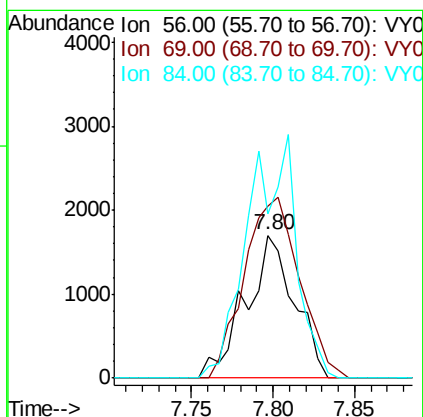
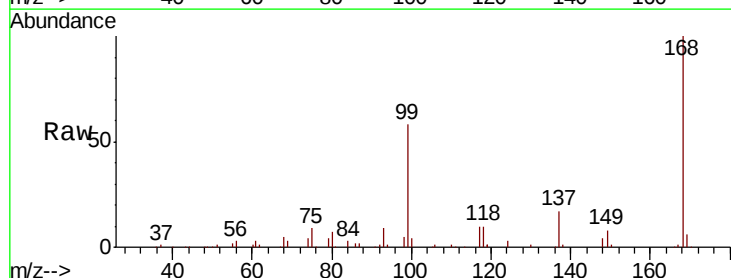
Instrument :
MSVOA_Y
ClientSampleId :
PF-I

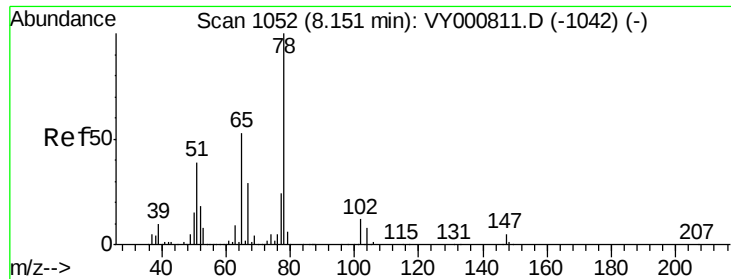
Tgt Ion: 83 Resp: 7022
Ion Ratio Lower Upper
83 100
85 61.1 50.4 75.6



#31
Cyclohexane
Concen: 1.111 ug/l
RT: 7.80 min Scan# 994
Delta R.T. -0.00 min
Lab File: VY000984.D
Acq: 17 Dec 2019 17:19

Tgt Ion: 56 Resp: 3538
Ion Ratio Lower Upper
56 100
69 120.4 25.9 38.9#
84 115.2 68.6 102.8#





#33

1,2-Dichloroethane-d4

Concen: 51.668 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.00 min

Lab File: VY000984.D

Acq: 17 Dec 2019 17:19

Instrument :

MSVOA_Y

ClientSampleId :

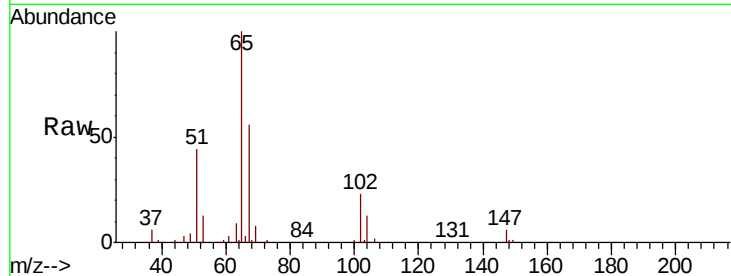
PF-I

Tgt Ion: 65 Resp: 77485

Ion Ratio Lower Upper

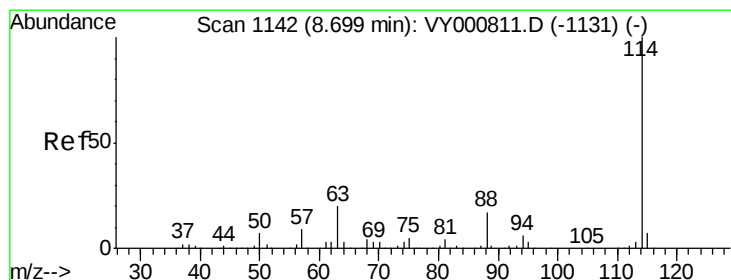
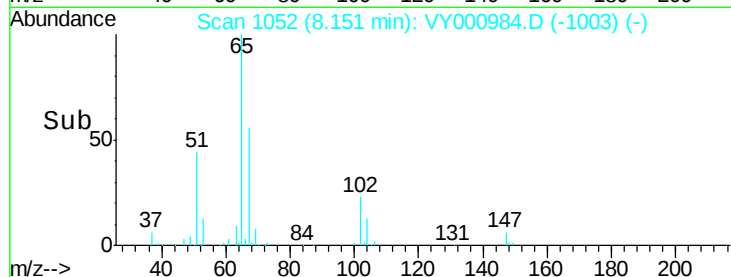
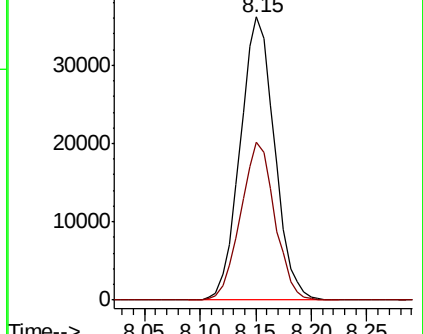
65 100

67 55.3 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: VY000984.D

Acq: 17 Dec 2019 17:19

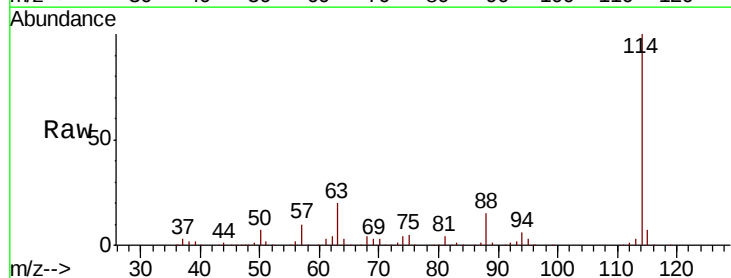
Tgt Ion: 114 Resp: 256326

Ion Ratio Lower Upper

114 100

63 20.2 0.0 39.8

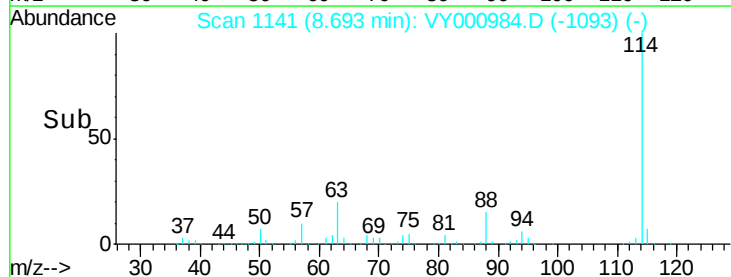
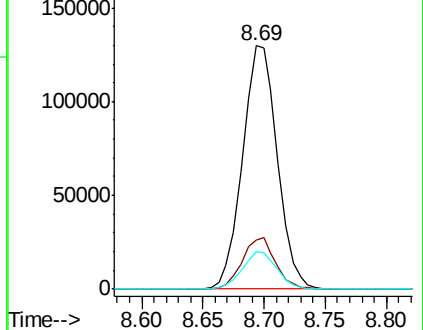
88 15.3 0.0 33.2

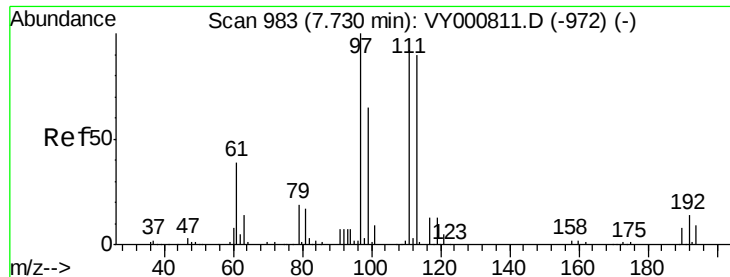


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0





#35

Dibromofluoromethane

Concen: 48.962 ug/l

RT: 7.73 min Scan# 983

Delta R.T. -0.00 min

Lab File: VY000984.D

Acq: 17 Dec 2019 17:19

Instrument :

MSVOA_Y

ClientSampleId :

PF-I

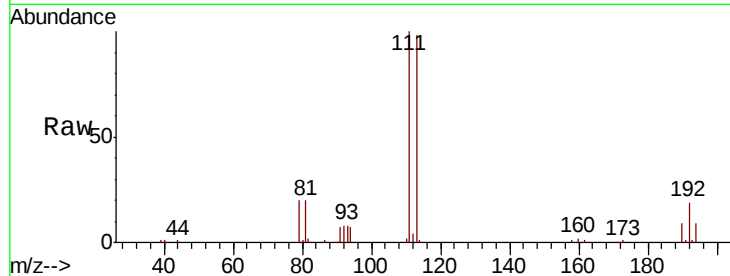
Tgt Ion:113 Resp: 73143

Ion Ratio Lower Upper

113 100

111 103.5 82.4 123.6

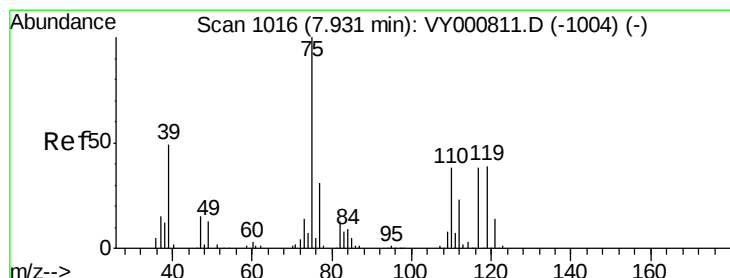
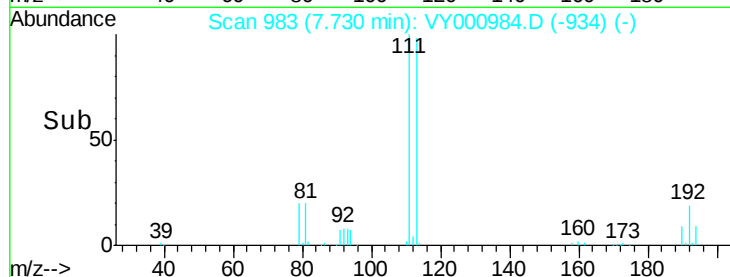
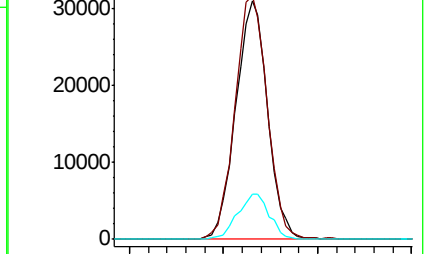
192 19.2 14.2 21.2



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: 4.583 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.13 min

Lab File: VY000984.D

Acq: 17 Dec 2019 17:19

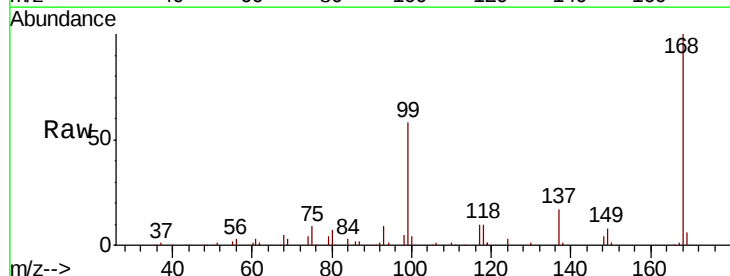
Tgt Ion: 75 Resp: 11680

Ion Ratio Lower Upper

75 100

110 11.1 17.9 53.7#

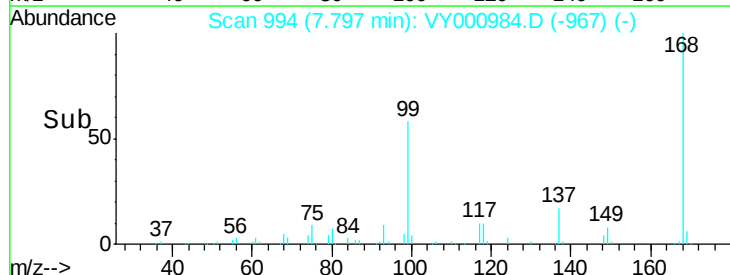
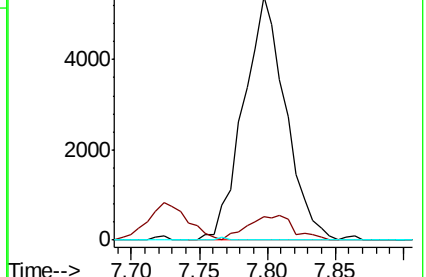
77 0.0 24.7 37.1#

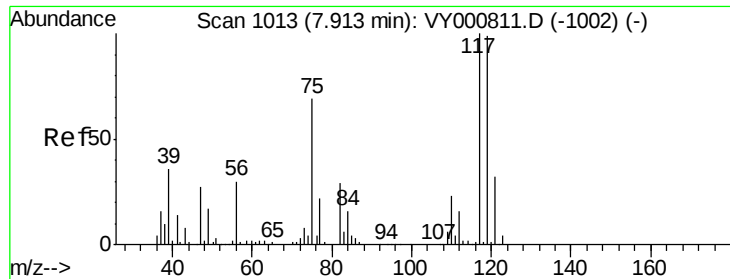


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0





#38

Carbon Tetrachloride

Concen: 5.983 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.12 min

Lab File: VY000984.D

Acq: 17 Dec 2019 17:19

Instrument :

MSVOA_Y

ClientSampleId :

PF-I

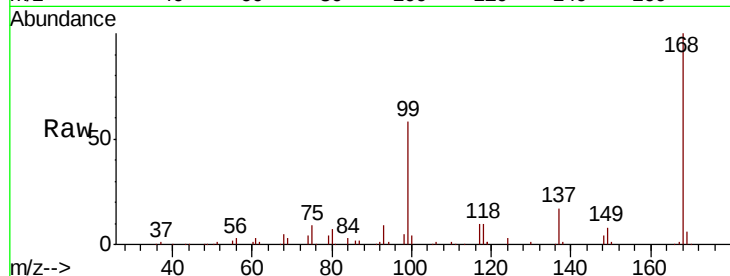
Tgt Ion:117 Resp: 13579

Ion Ratio Lower Upper

117 100

119 10.9 79.3 118.9#

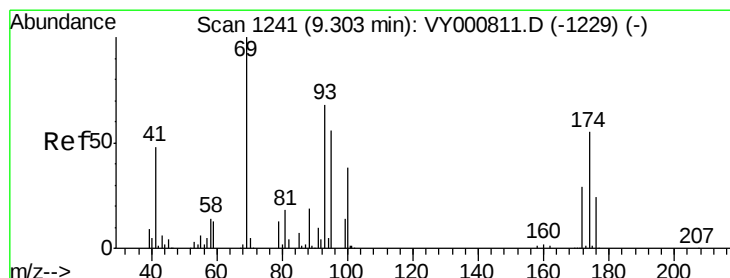
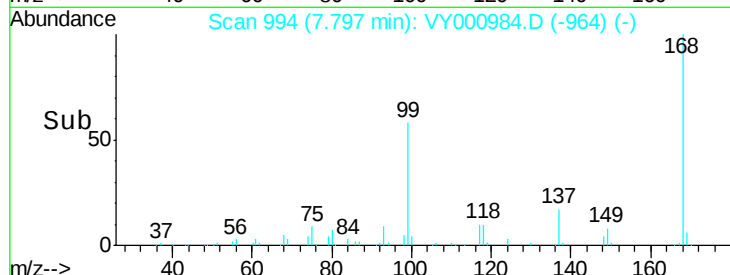
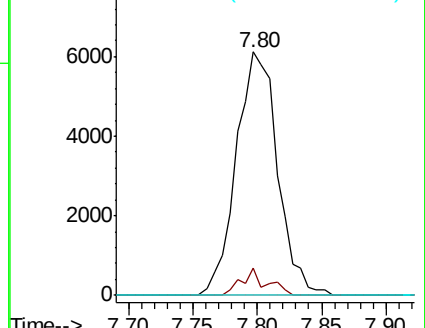
121 0.0 25.5 38.3#



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



#49

1,4-Dioxane

Concen: 1.811 ug/l

RT: 9.28 min Scan# 1238

Delta R.T. -0.02 min

Lab File: VY000984.D

Acq: 17 Dec 2019 17:19

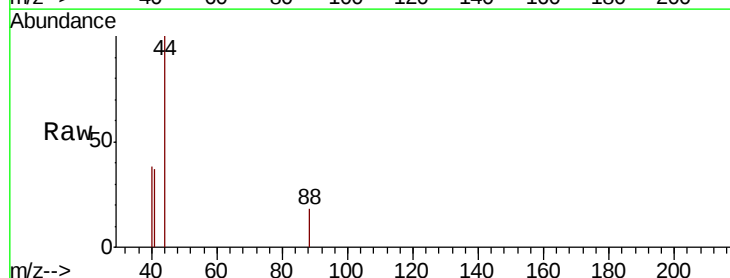
Tgt Ion: 88 Resp: 25

Ion Ratio Lower Upper

88 100

43 0.0 21.1 31.7#

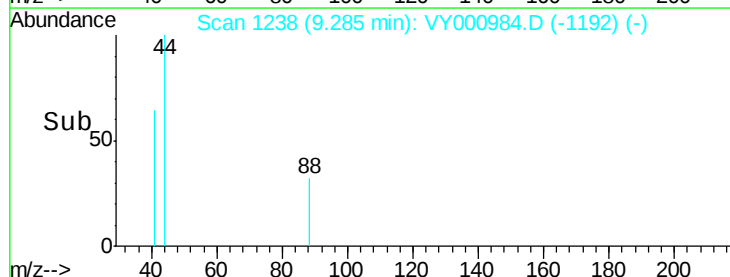
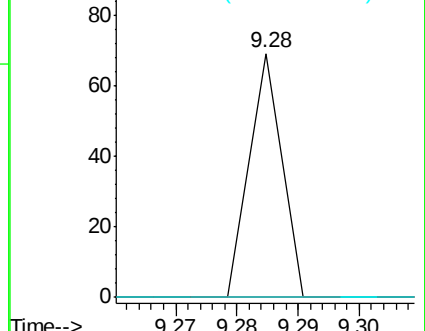
58 0.0 50.7 76.1#

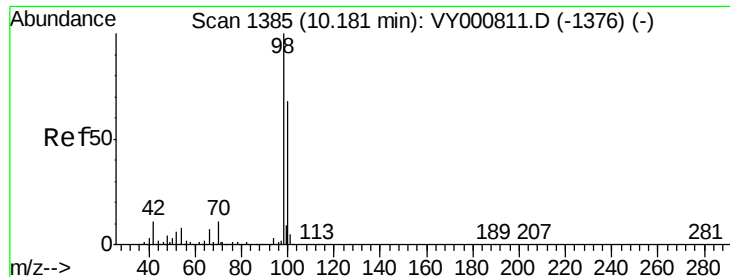


Abundance Ion 88.00 (87.70 to 88.70): VY0

Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0





#50

Toluene-d8

Concen: 50.856 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY000984.D

Acq: 17 Dec 2019 17:19

Instrument :

MSVOA_Y

ClientSampled :

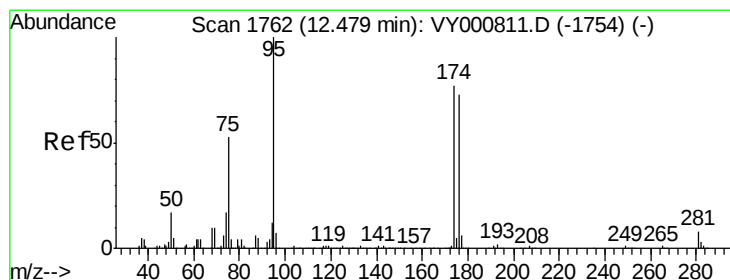
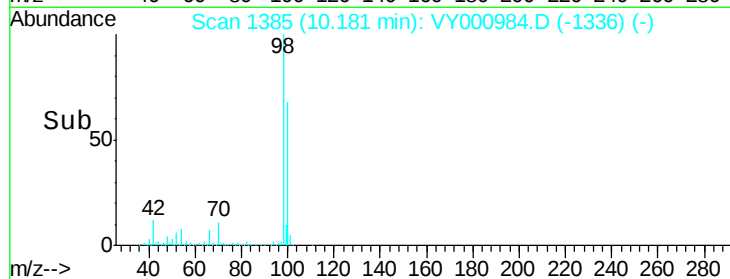
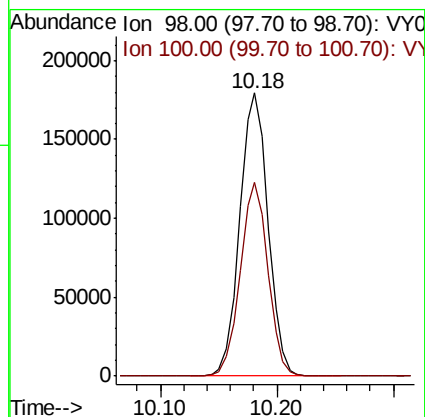
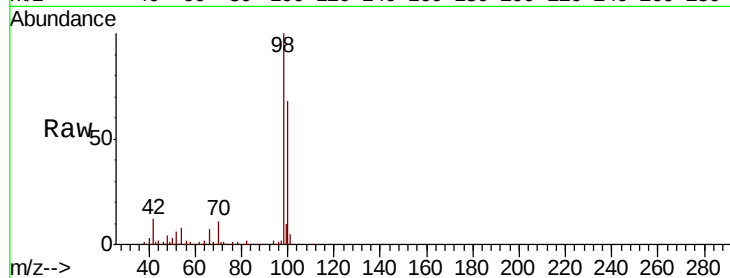
PF-I

Tgt Ion: 98 Resp: 303735

Ion Ratio Lower Upper

98 100

100 66.8 53.1 79.7



#62

4-Bromofluorobenzene

Concen: 43.034 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY000984.D

Acq: 17 Dec 2019 17:19

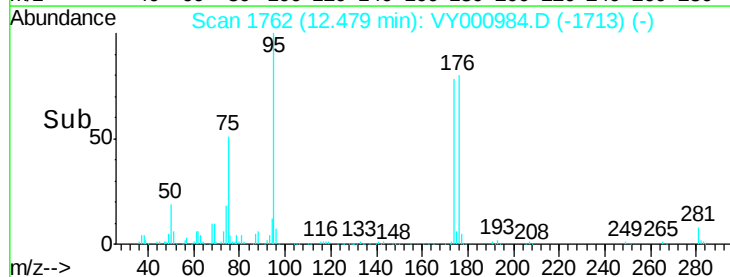
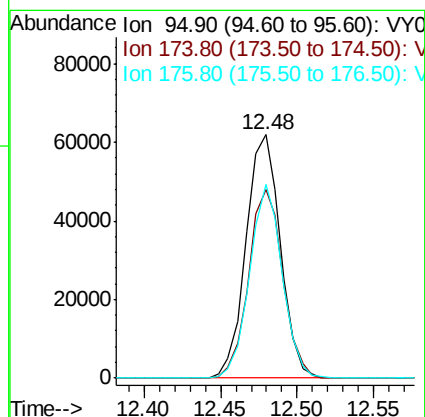
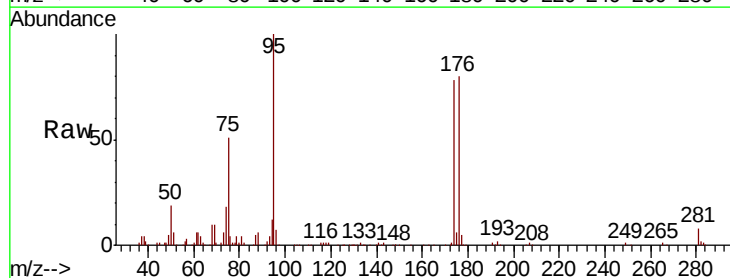
Tgt Ion: 95 Resp: 96523

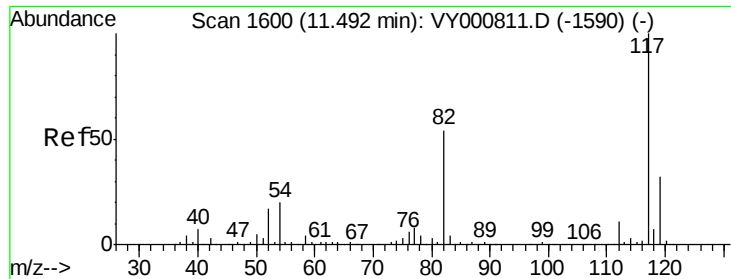
Ion Ratio Lower Upper

95 100

174 77.2 0.0 150.6

176 75.4 0.0 145.2

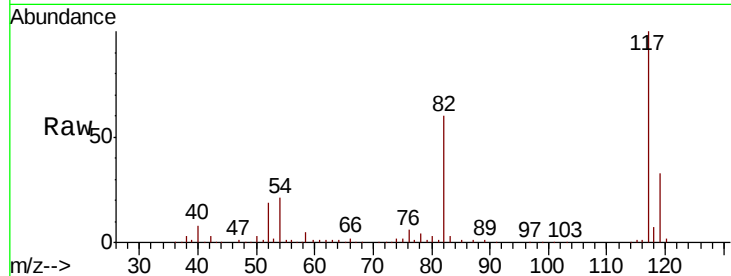




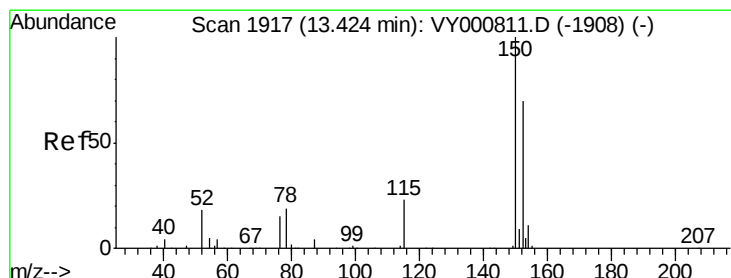
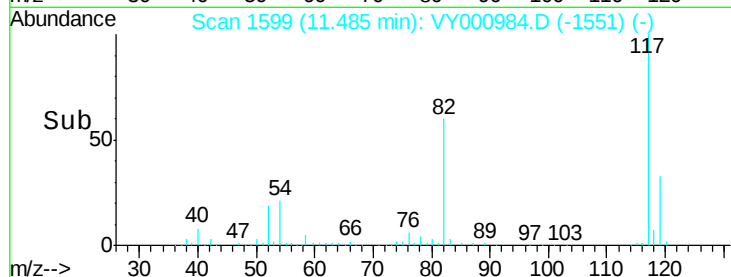
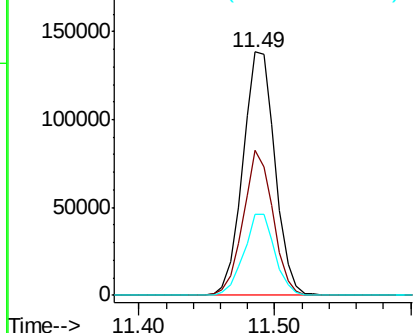
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VY000984.D
Acq: 17 Dec 2019 17:19

Instrument :
MSVOA_Y
ClientSampled :
PF-I

Tgt Ion:117 Resp: 227518
Ion Ratio Lower Upper
117 100
82 59.6 43.1 64.7
119 33.5 25.3 37.9

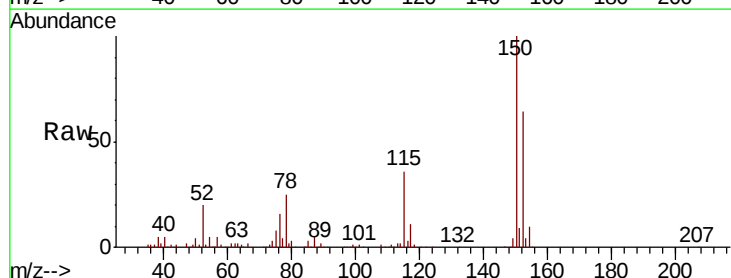


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

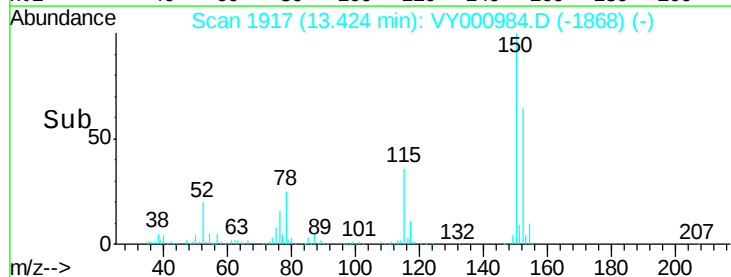
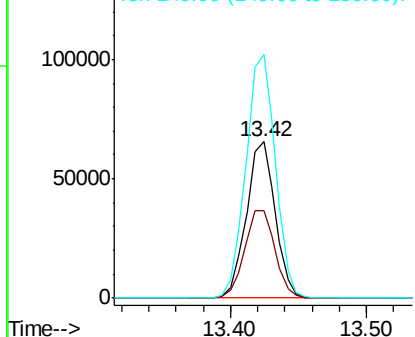


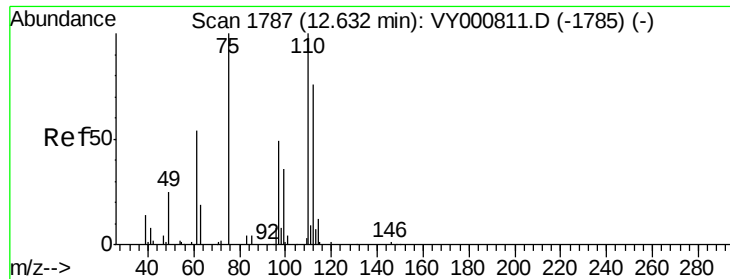
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY000984.D
Acq: 17 Dec 2019 17:19

Tgt Ion:152 Resp: 97613
Ion Ratio Lower Upper
152 100
115 59.0 29.3 87.8
150 159.1 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: 44.065 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY000984.D

Acq: 17 Dec 2019 17:19

Instrument :

MSVOA_Y

ClientSampleId :

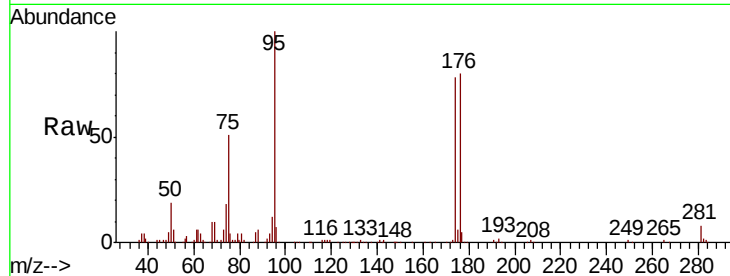
PF-I

Tgt Ion: 75 Resp: 48734

Ion Ratio Lower Upper

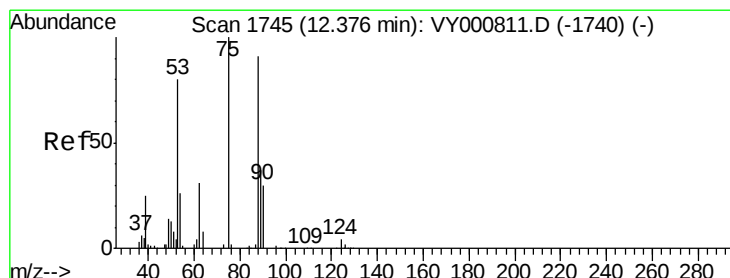
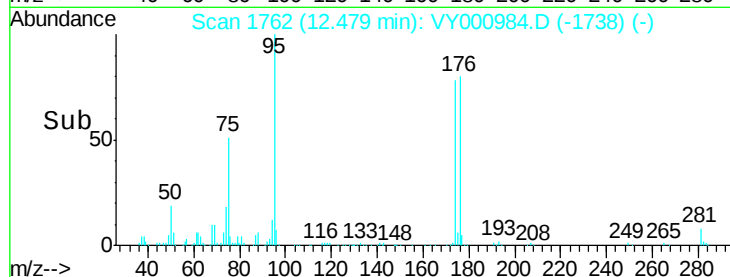
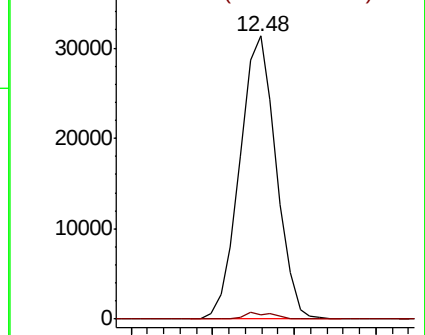
75 100

77 1.9 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: 86.557 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000984.D

Acq: 17 Dec 2019 17:19

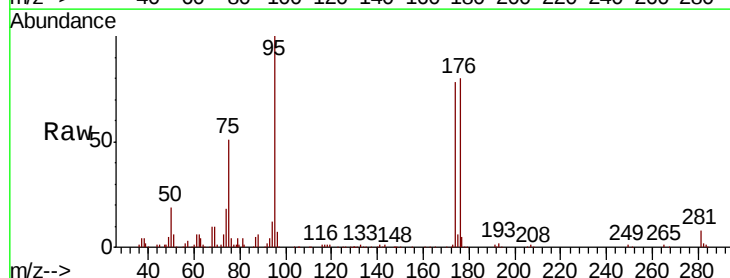
Tgt Ion: 75 Resp: 48734

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

