

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY121819\
 Data File : VY000996.D
 Acq On : 18 Dec 2019 13:48
 Operator : SY/MD
 Sample : K6357-15RE
 Misc : 5.15G/5ML/MSVOA Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 19 04:53:38 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	220500	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	410501	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	374137	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	168963	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	126860	54.14	ug/l	0.00
Spiked Amount			Recovery	=	108.28%	
35) Dibromofluoromethane	7.73	113	120052	50.18	ug/l	0.00
Spiked Amount			Recovery	=	100.36%	
50) Toluene-d8	10.18	98	498523	52.12	ug/l	0.00
Spiked Amount			Recovery	=	104.24%	
62) 4-Bromofluorobenzene	12.48	95	162564	45.26	ug/l	0.00
Spiked Amount			Recovery	=	90.52%	

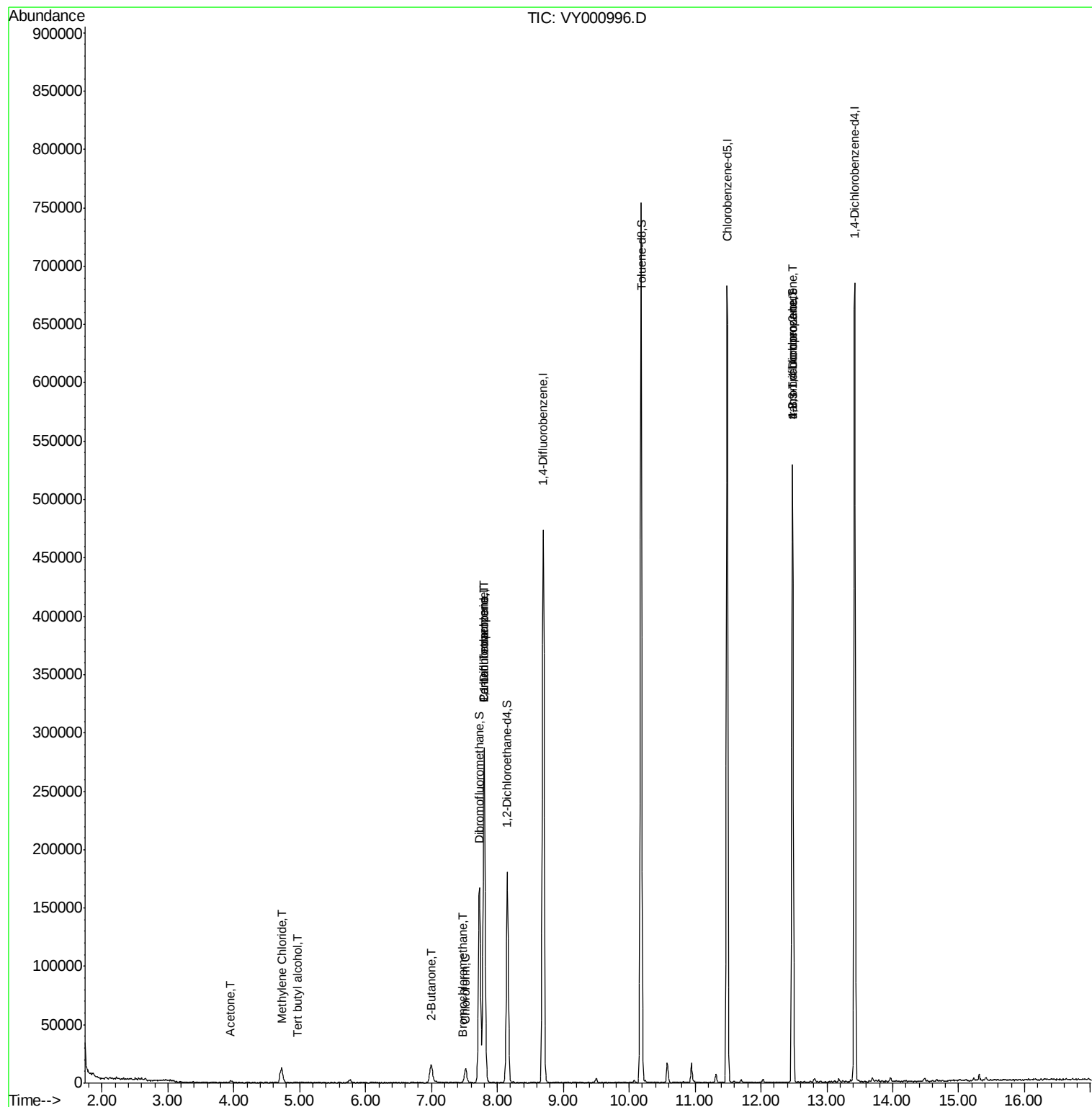
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.65	94	78	Below Cal	#	29
11) Tert butyl alcohol	4.96	59	482	2.04	ug/l #	74
16) Acetone	3.95	43	3144	5.85	ug/l #	78
20) Methylene Chloride	4.72	84	9138	3.23	ug/l #	78
25) 2-Butanone	7.00	43	1672	1.68	ug/l	91
28) Bromochloromethane	7.47	49	63	2.05	ug/l #	15
30) Chloroform	7.52	83	11869	2.52	ug/l	95
36) 1,1-Dichloropropene	7.80	75	17604	4.31	ug/l #	48
38) Carbon Tetrachloride	7.80	117	21259	5.85	ug/l #	16
76) 1,2,3-Trichloropropane	12.48	75	83800	43.78	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	83800	85.99	ug/l #	17

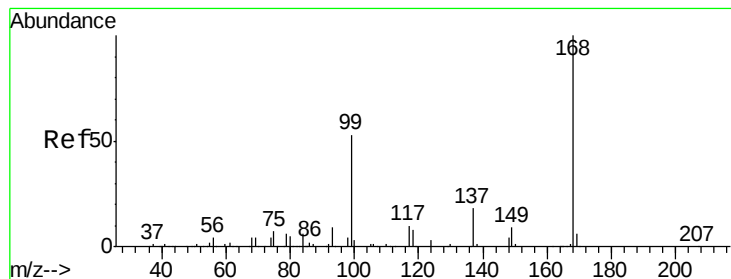
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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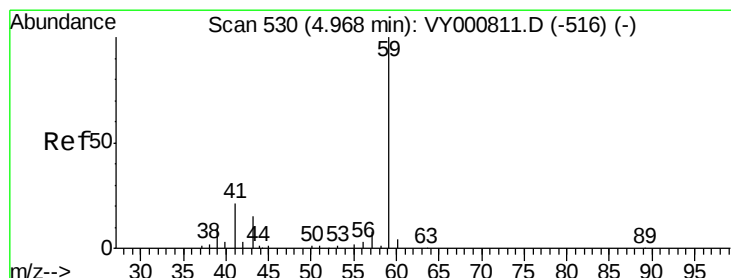
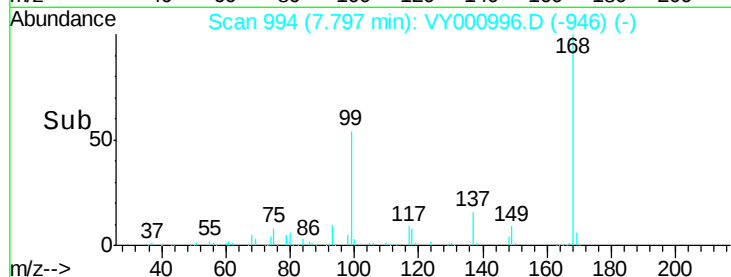
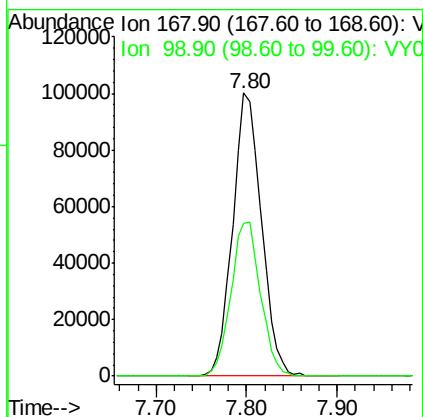
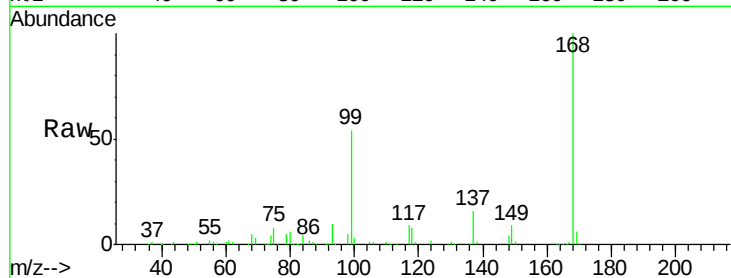


#1

Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.01 min
 Lab File: VY000996.D
 Acq: 18 Dec 2019 13:48

Instrument :
 MSVOA_Y
 ClientSampleId :

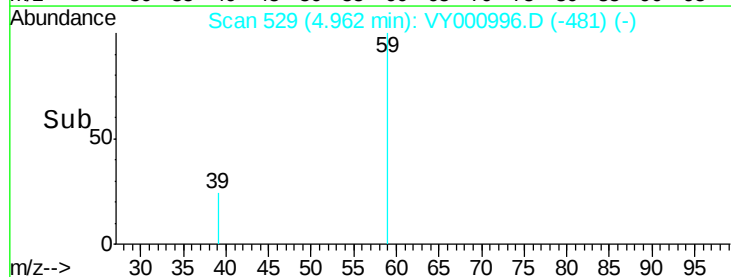
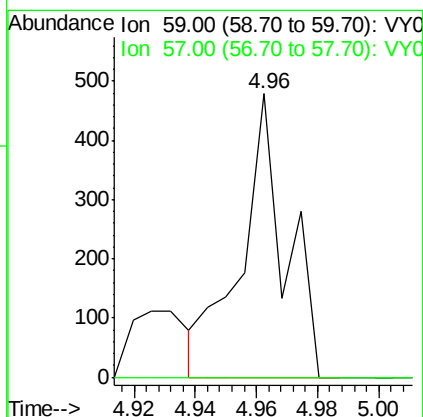
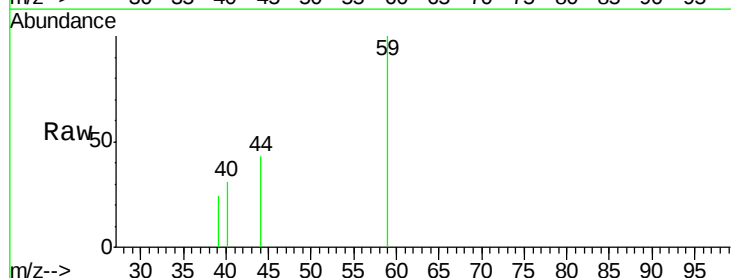
Tot Ion:168 Resp: 220500
 Ion Ratio Lower Upper
 168 100
 99 54.0 45.0 67.6

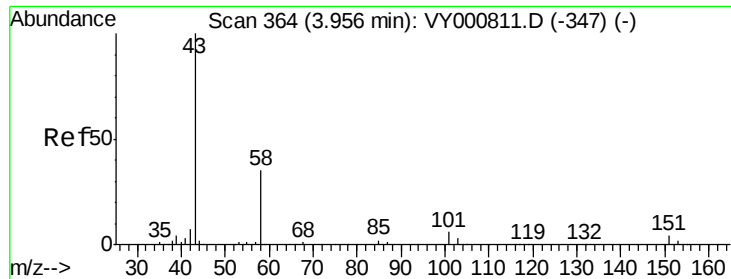


#11

Tert butyl alcohol
 Concen: 2.04 ug/l
 RT: 4.96 min Scan# 529
 Delta R.T. -0.01 min
 Lab File: VY000996.D
 Acq: 18 Dec 2019 13:48

Tgt Ion: 59 Resp: 482
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.8 11.6#





#16

Acetone

Concen: 5.85 ug/l

RT: 3.95 min Scan# 363

Delta R.T. -0.01 min

Lab File: VY000996.D

Acq: 18 Dec 2019 13:48

Instrument :

MSVOA_Y

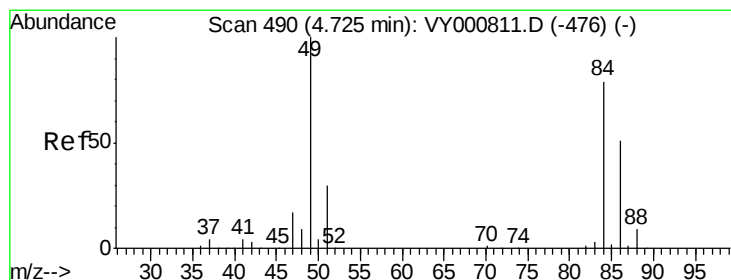
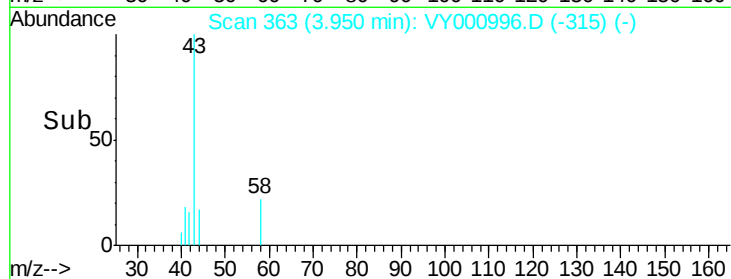
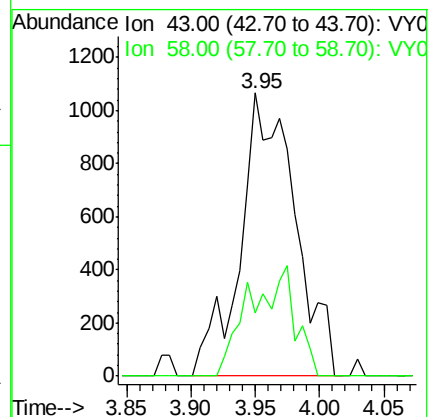
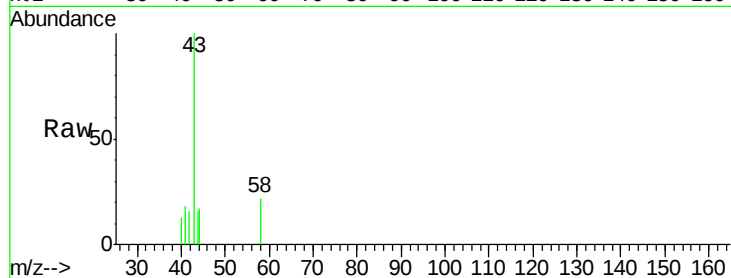
ClientSampleId :

Tot Ion: 43 Resp: 3144

Ion Ratio Lower Upper

43 100

58 22.3 28.0 42.0#



#20

Methylene Chloride

Concen: 3.23 ug/l

RT: 4.72 min Scan# 490

Delta R.T. -0.00 min

Lab File: VY000996.D

Acq: 18 Dec 2019 13:48

Tgt Ion: 84 Resp: 9138

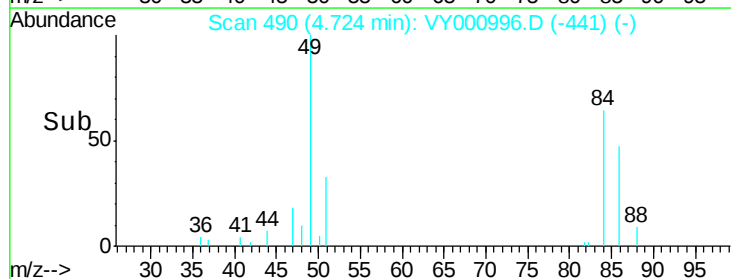
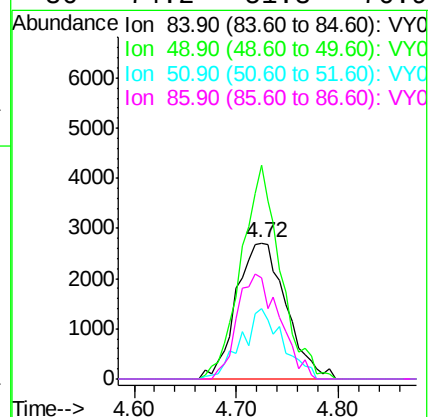
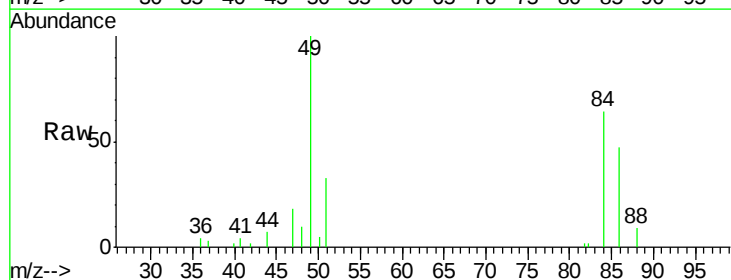
Ion Ratio Lower Upper

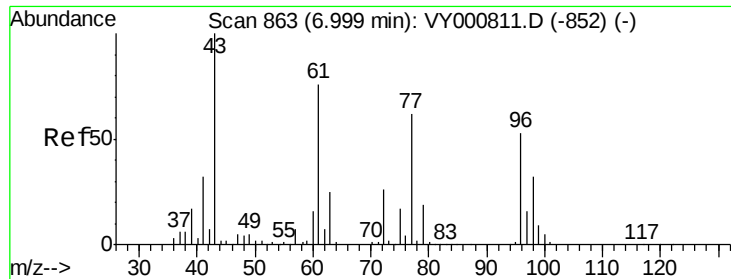
84 100

49 156.8 101.3 151.9#

51 51.5 30.6 45.8#

86 74.2 51.3 76.9





#25

2-Butanone

Concen: 1.68 ug/l

RT: 7.00 min Scan# 864

Delta R.T. 0.01 min

Lab File: VY000996.D

Acq: 18 Dec 2019 13:48

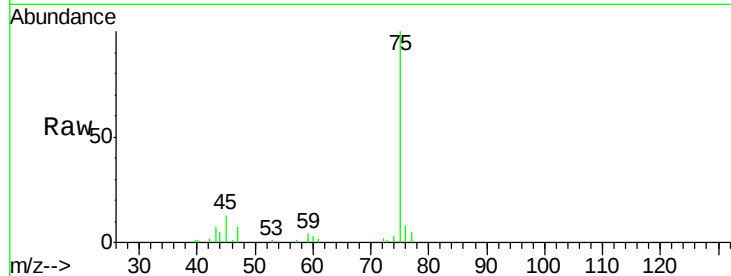
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 43 Resp: 1672

Ion Ratio Lower Upper

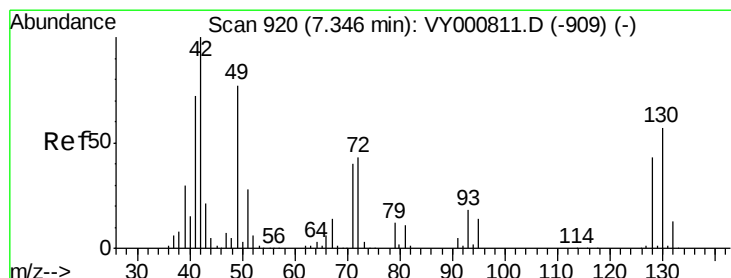
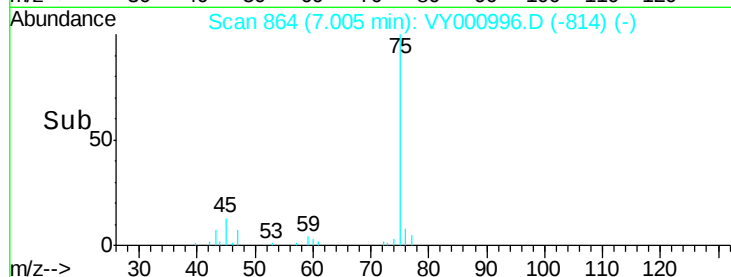
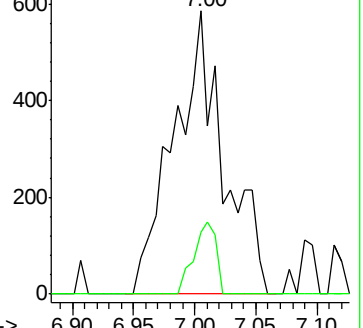
43 100

72 21.7 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: 2.05 ug/l

RT: 7.47 min Scan# 941

Delta R.T. 0.13 min

Lab File: VY000996.D

Acq: 18 Dec 2019 13:48

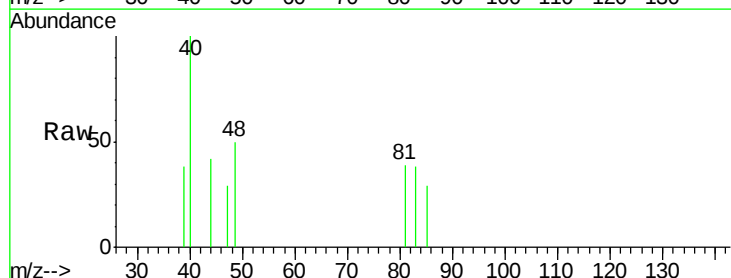
Tgt Ion: 49 Resp: 63

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

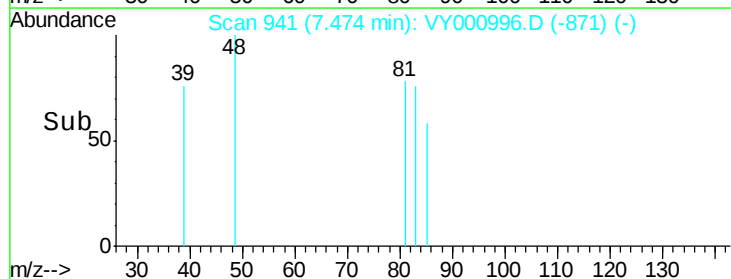
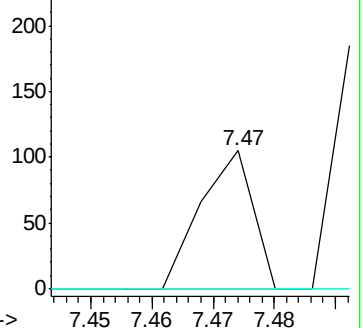
130 0.0 58.7 88.1#

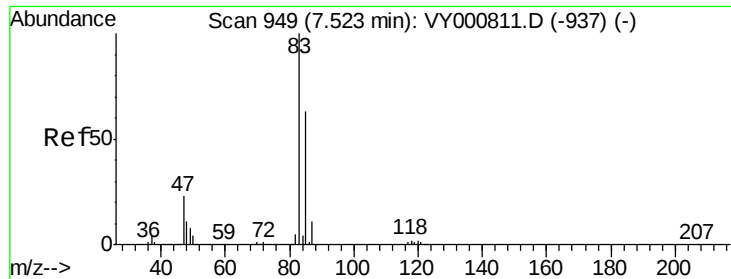


Abundance Ion 48.90 (48.60 to 49.60): VY0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

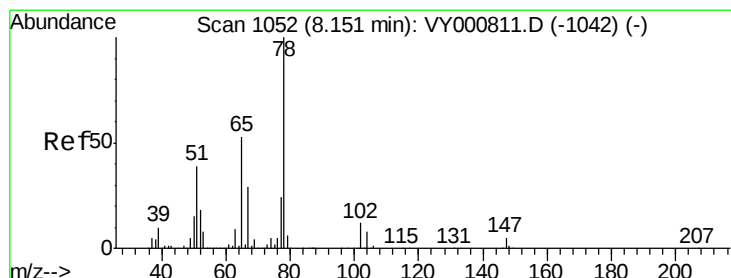
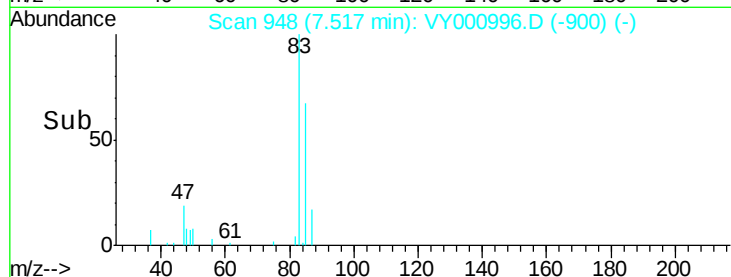
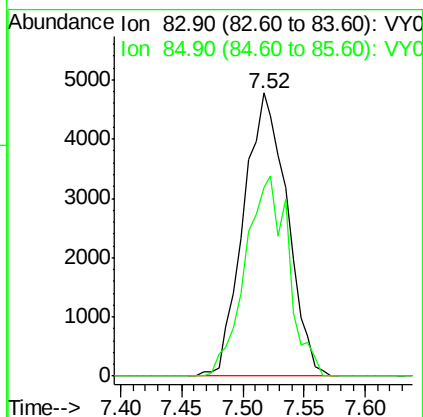
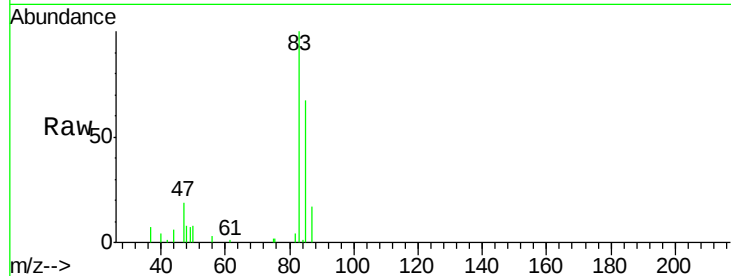




#30
Chloroform
Concen: 2.52 ug/l
RT: 7.52 min Scan# 948
Delta R.T. -0.01 min
Lab File: VY000996.D
Acq: 18 Dec 2019 13:48

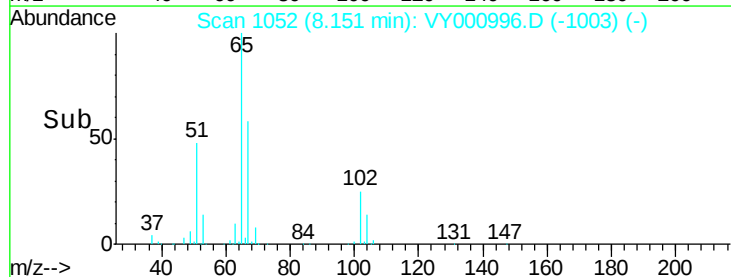
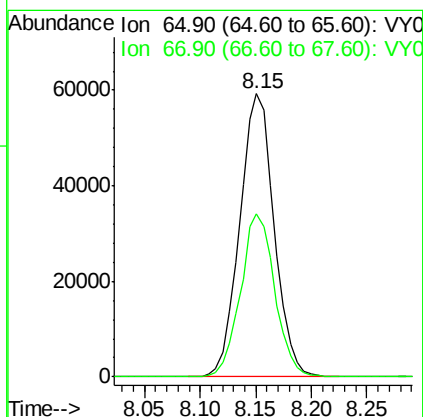
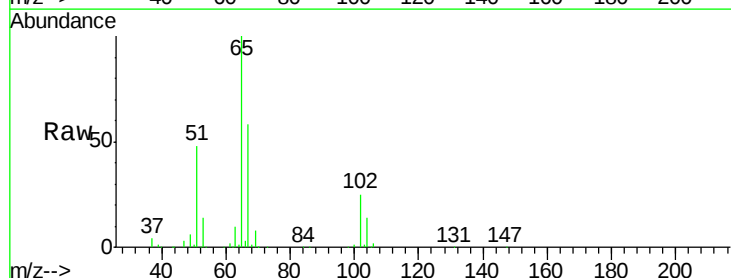
Instrument :
MSVOA_Y
ClientSampled :

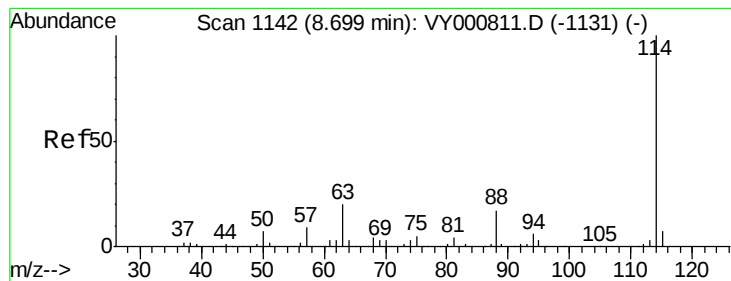
Tot Ion: 83 Resp: 11869
Ion Ratio Lower Upper
83 100
85 66.6 50.4 75.6



#33
1,2-Dichloroethane-d4
Concen: 54.14 ug/l
RT: 8.15 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VY000996.D
Acq: 18 Dec 2019 13:48

Tgt Ion: 65 Resp: 126860
Ion Ratio Lower Upper
65 100
67 57.4 0.0 112.0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.70 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VY000996.D

Acq: 18 Dec 2019 13:48

Instrument :

MSVOA_Y

ClientSampleId :

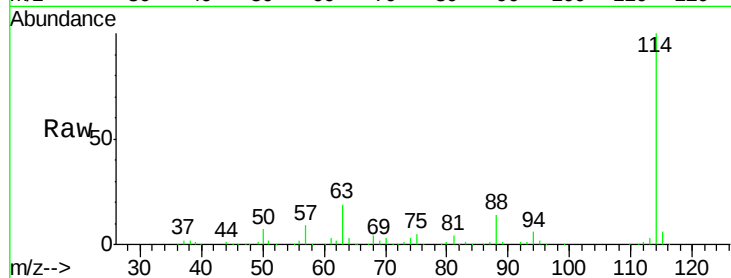
Tot Ion:114 Resp: 410501

Ion Ratio Lower Upper

114 100

63 19.0 0.0 39.8

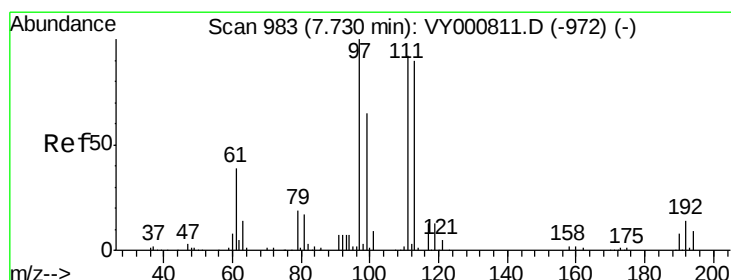
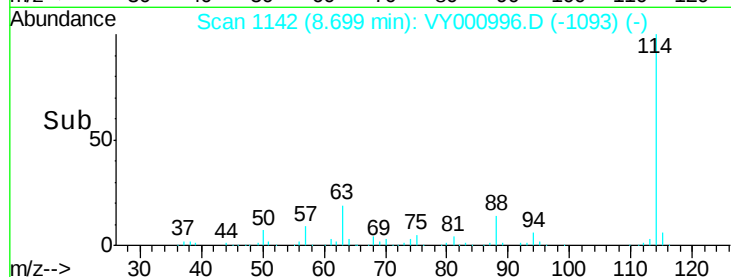
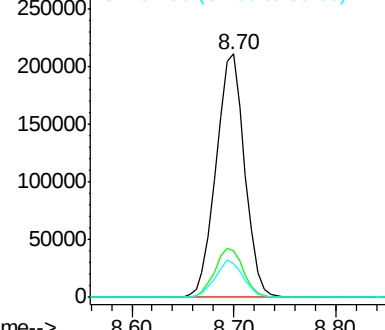
88 14.1 0.0 33.2



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: 50.18 ug/l

RT: 7.73 min Scan# 983

Delta R.T. -0.00 min

Lab File: VY000996.D

Acq: 18 Dec 2019 13:48

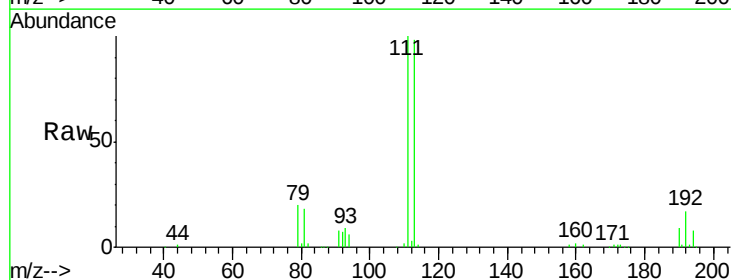
Tgt Ion:113 Resp: 120052

Ion Ratio Lower Upper

113 100

111 102.5 82.4 123.6

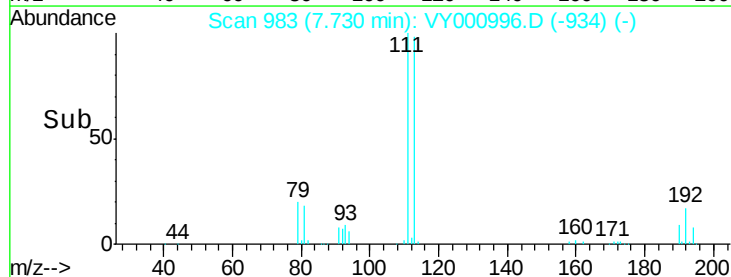
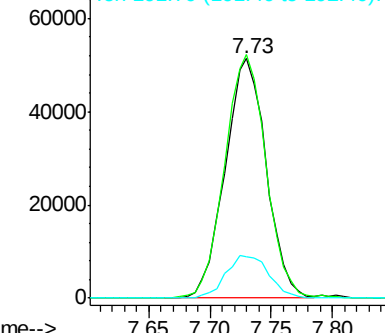
192 18.7 14.2 21.2

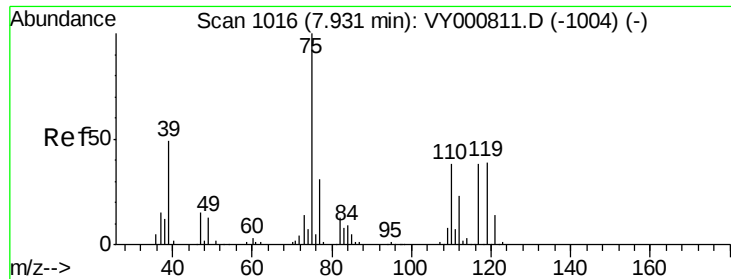


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

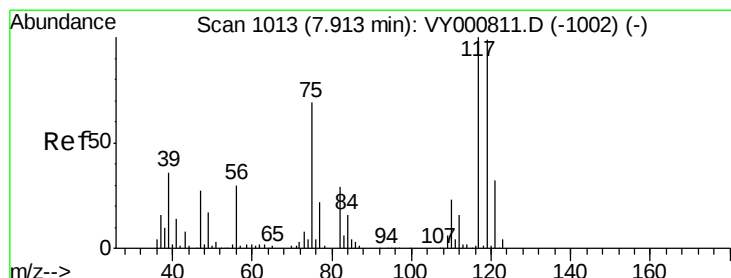
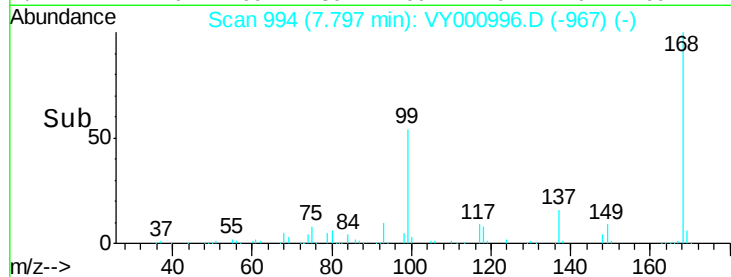
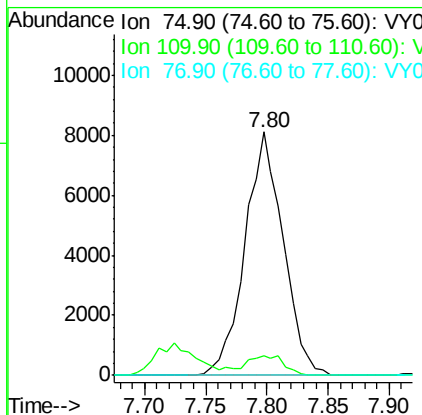
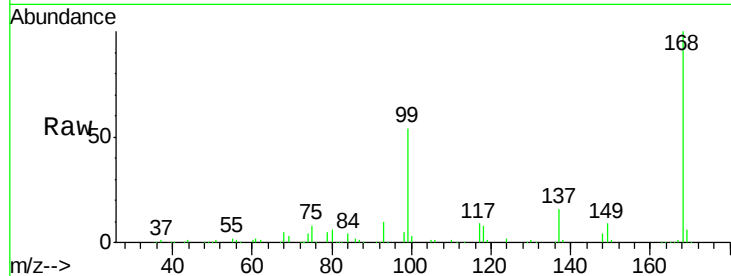




#36
 1,1-Dichloropropene
 Concen: 4.31 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY000996.D
 Acq: 18 Dec 2019 13:48

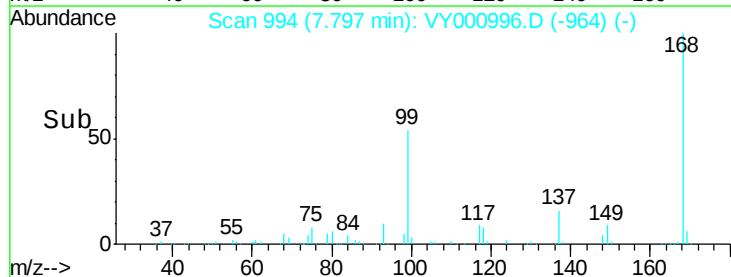
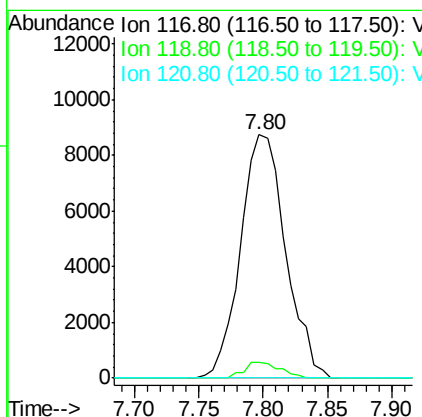
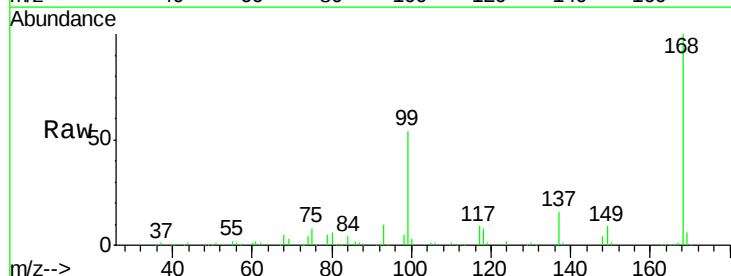
Instrument :
 MSVOA_Y
 ClientSampleId :

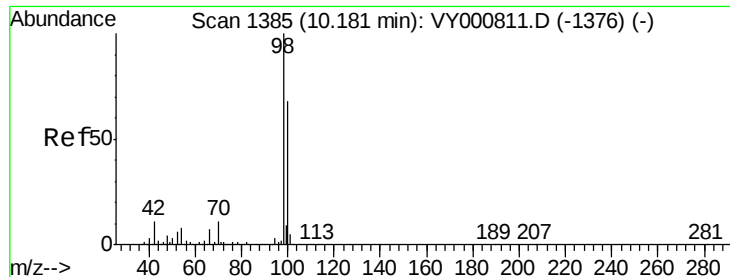
Tot Ion	75	Resp	17604
Ion Ratio	Lower	Upper	
75	100		
110	7.8	17.9	53.7#
77	0.0	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 5.85 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.12 min
 Lab File: VY000996.D
 Acq: 18 Dec 2019 13:48

Tgt Ion	117	Resp	21259
Ion Ratio	Lower	Upper	
117	100		
119	6.4	79.3	118.9#
121	0.0	25.5	38.3#





#50

Toluene-d8

Concen: 52.12 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY000996.D

Acq: 18 Dec 2019 13:48

Instrument :

MSVOA_Y

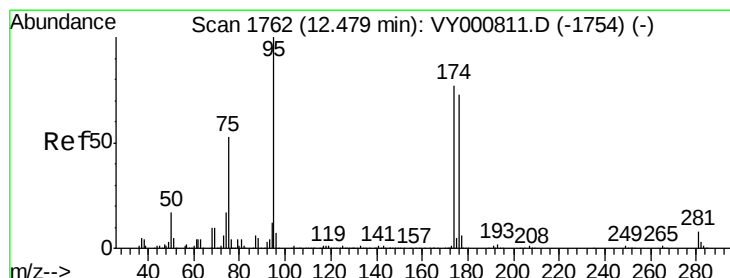
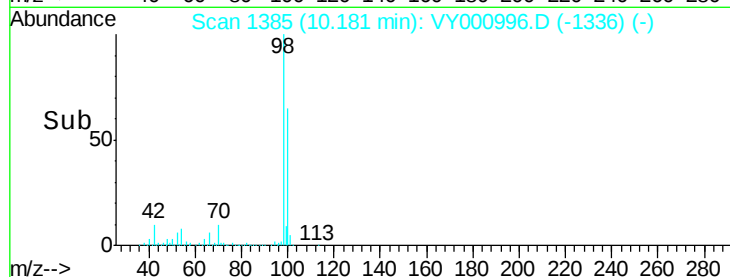
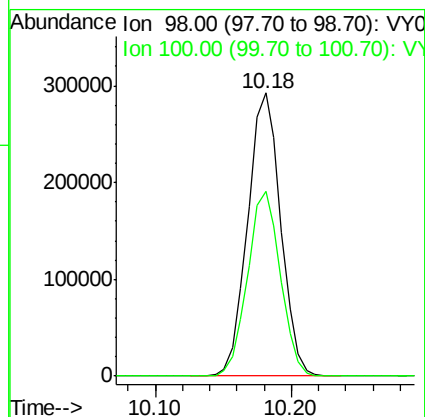
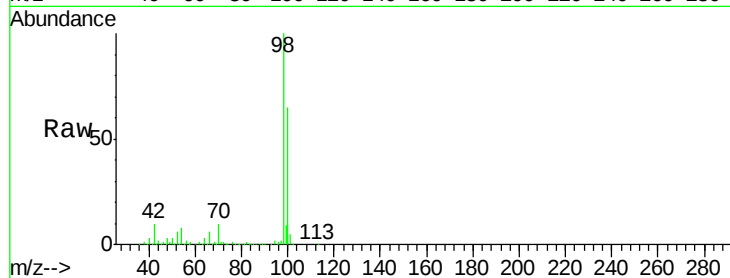
ClientSampleId :

Tot Ion: 98 Resp: 498523

Ion Ratio Lower Upper

98 100

100 64.7 53.1 79.7



#62

4-Bromofluorobenzene

Concen: 45.26 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY000996.D

Acq: 18 Dec 2019 13:48

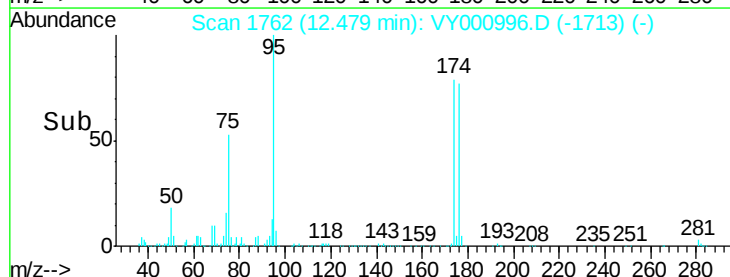
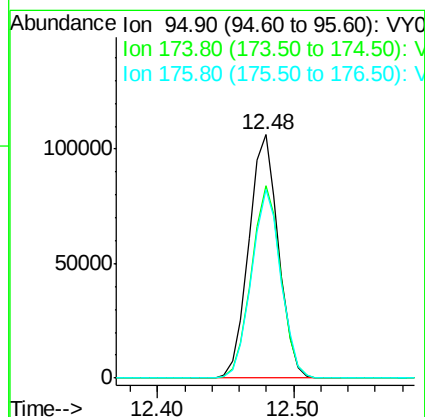
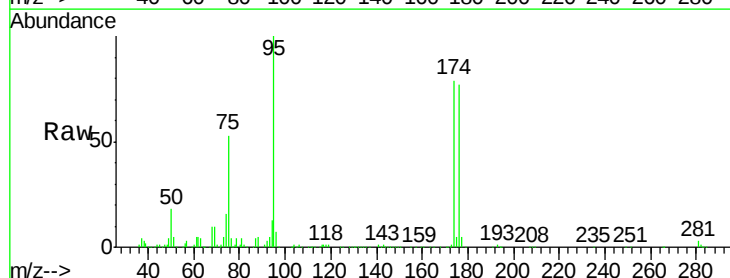
Tgt Ion: 95 Resp: 162564

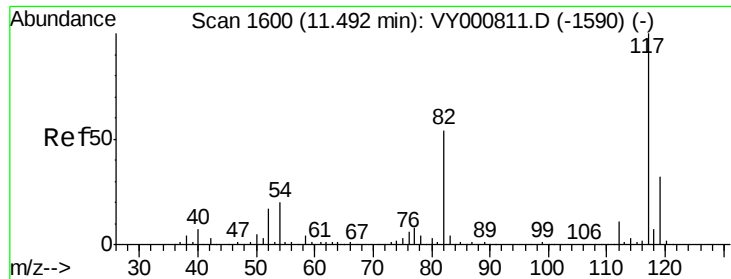
Ion Ratio Lower Upper

95 100

174 78.2 0.0 150.6

176 76.8 0.0 145.2

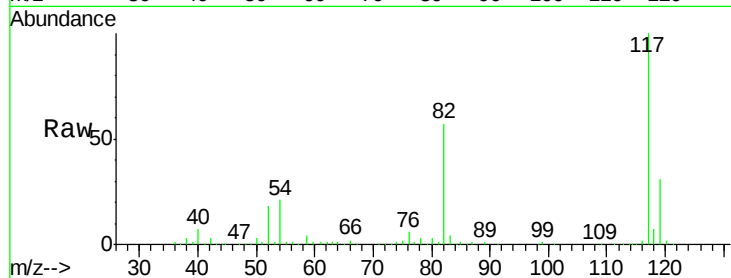




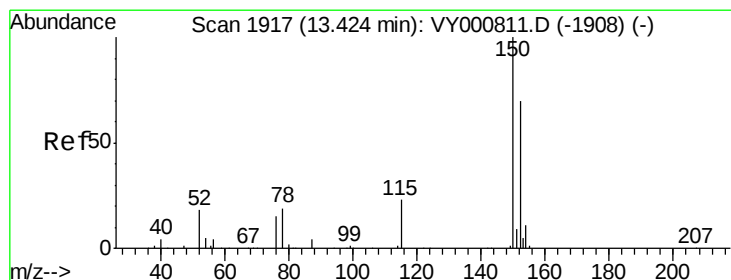
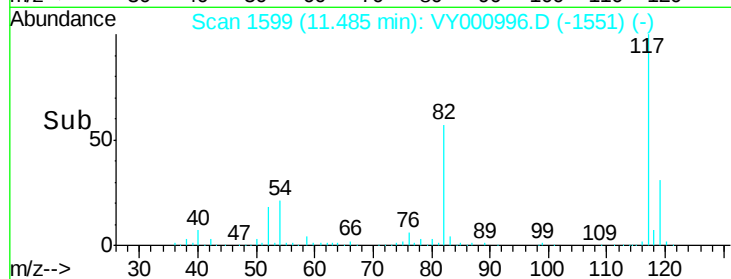
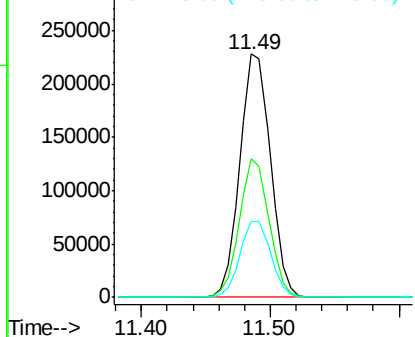
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.49 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VY000996.D
Acq: 18 Dec 2019 13:48

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:117 Resp: 374137
Ion Ratio Lower Upper
117 100
82 57.2 43.1 64.7
119 31.1 25.3 37.9

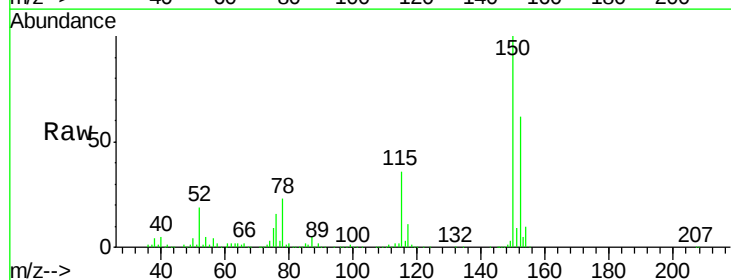


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

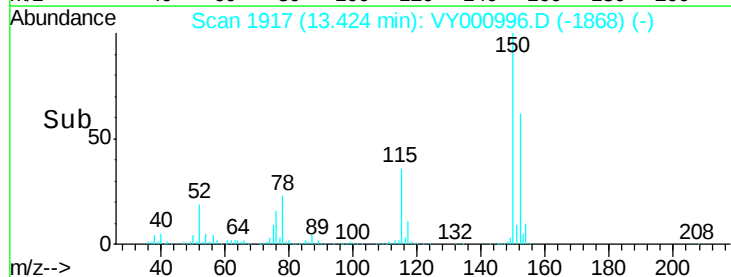
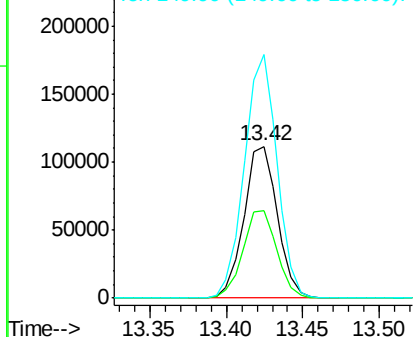


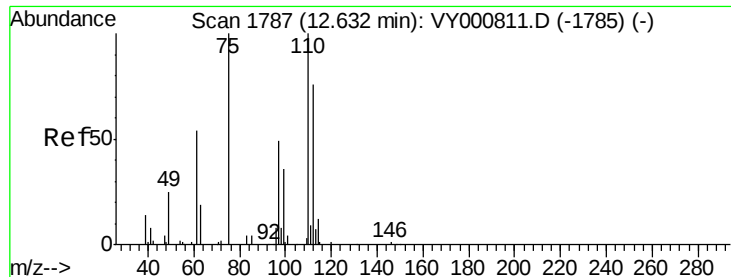
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY000996.D
Acq: 18 Dec 2019 13:48

Tgt Ion:152 Resp: 168963
Ion Ratio Lower Upper
152 100
115 58.8 29.3 87.8
150 157.4 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: 43.78 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY000996.D

Acq: 18 Dec 2019 13:48

Instrument :

MSVOA_Y

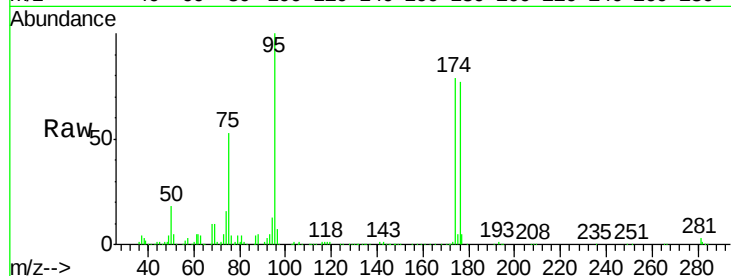
ClientSampleId :

Tot Ion: 75 Resp: 83800

Ion Ratio Lower Upper

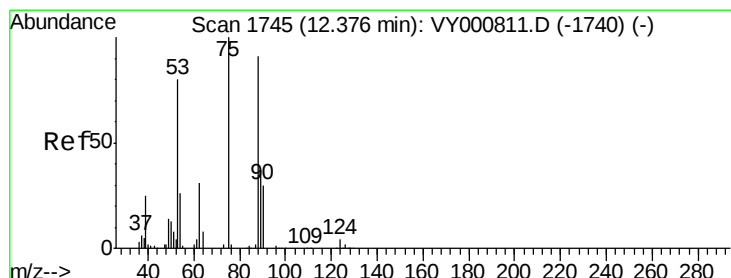
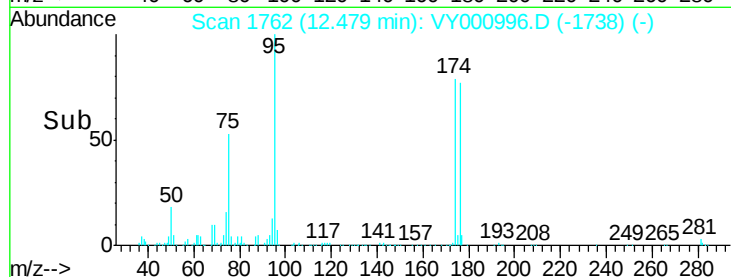
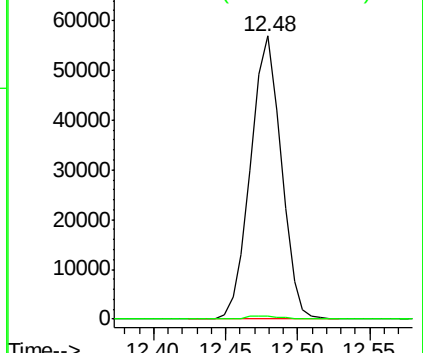
75 100

77 1.2 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: 85.99 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000996.D

Acq: 18 Dec 2019 13:48

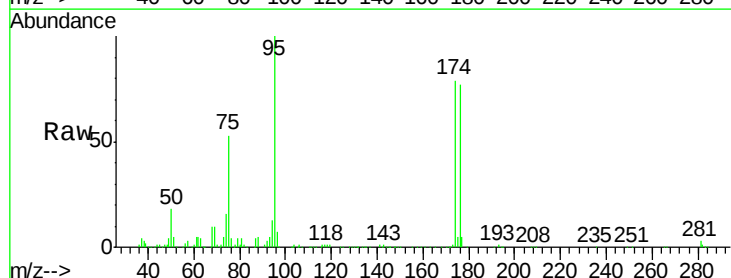
Tgt Ion: 75 Resp: 83800

Ion Ratio Lower Upper

75 100

53 0.0 64.6 96.8#

89 0.0 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

