

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY111919\
 Data File : VY000743.D
 Acq On : 19 Nov 2019 14:09
 Operator : SY/MD
 Sample : K5908-04RE
 Misc : 6.77G/5ML/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-8-3-(6-12)RE

Quant Time: Nov 19 15:33:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y103019S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 13:30:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	175069	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	326778	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	299574	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	133846	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	109314	60.34	ug/l	0.00
Spiked Amount						
			Recovery	=	120.68%	
35) Dibromofluoromethane	7.73	113	99582	51.91	ug/l	0.00
Spiked Amount						
			Recovery	=	103.82%	
50) Toluene-d8	10.18	98	387742	53.27	ug/l	0.00
Spiked Amount						
			Recovery	=	106.54%	
62) 4-Bromofluorobenzene	12.48	95	131343	47.40	ug/l	0.00
Spiked Amount						
			Recovery	=	94.80%	

Target Compounds

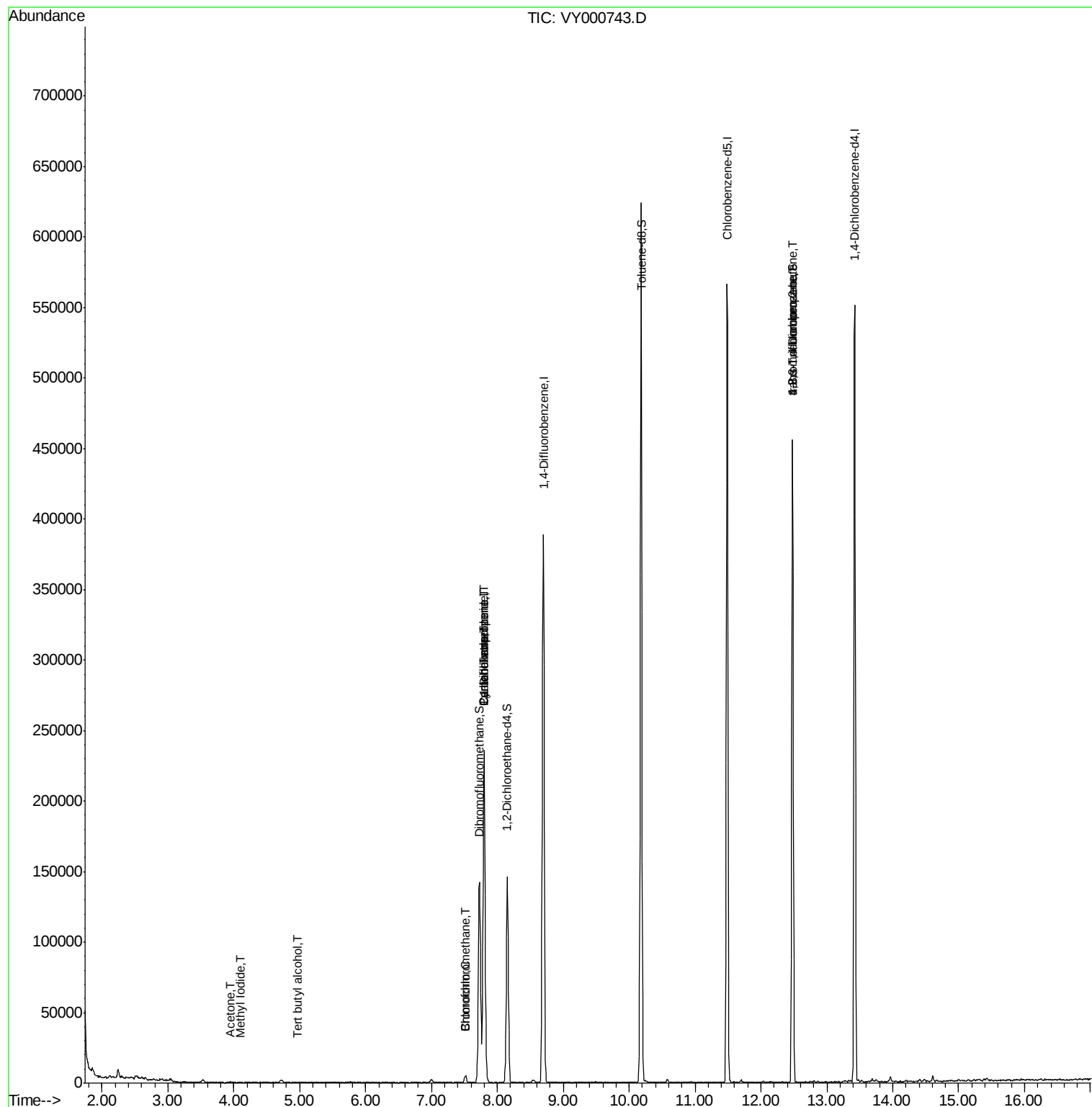
						Qvalue
10) Methyl Iodide	4.10	142	100	3.239	ug/l #	1
11) Tert butyl alcohol	4.97	59	209	1.185	ug/l #	72
16) Acetone	3.94	43	561	1.123	ug/l #	82
28) Bromochloromethane	7.51	49	332	4.292	ug/l #	14
30) Chloroform	7.52	83	4283	1.264	ug/l	90
31) Cyclohexane	7.80	56	4159	1.186	ug/l #	40
36) 1,1-Dichloropropene	7.80	75	13777	4.460	ug/l #	51
38) Carbon Tetrachloride	7.80	117	17693	5.952	ug/l #	16
76) 1,2,3-Trichloropropane	12.48	75	71247	46.749	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	71247	104.818	ug/l #	13

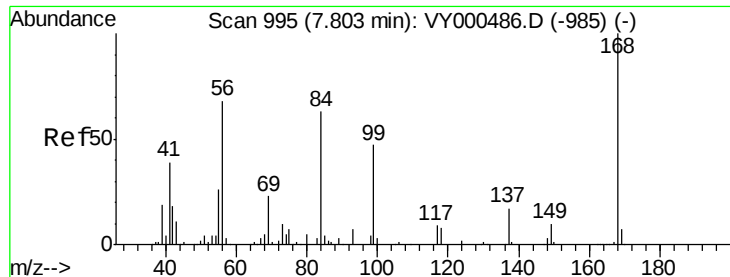
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.01 min

Lab File: VY000743.D

Acq: 19 Nov 2019 14:09

Instrument :

MSVOA_Y

ClientSampleId :

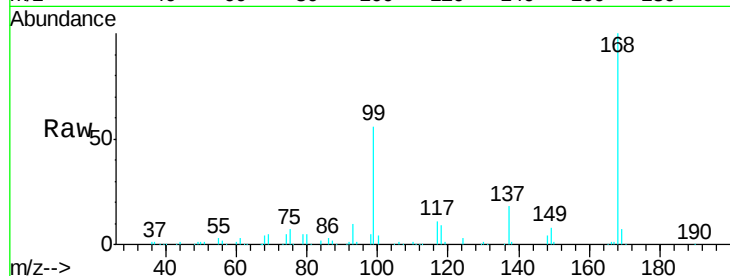
B-8-3-(6-12)RE

Tgt Ion:168 Resp: 175069

Ion Ratio Lower Upper

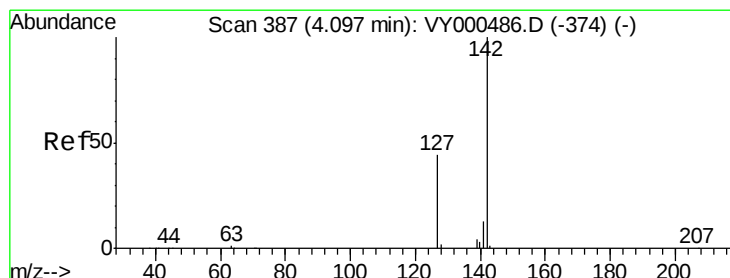
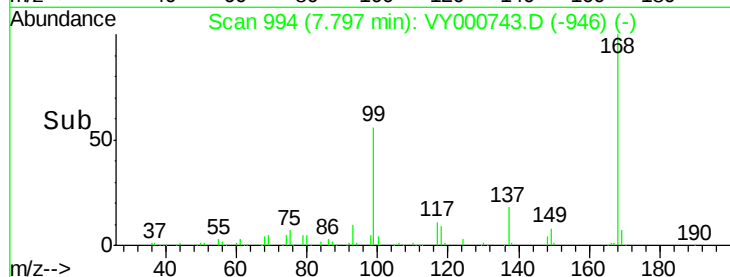
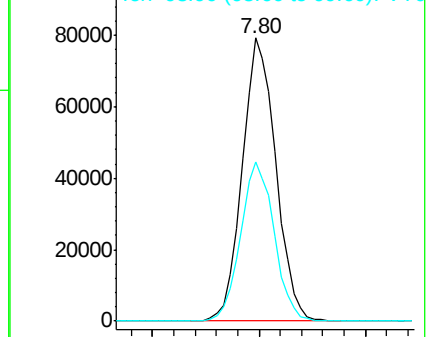
168 100

99 56.3 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VY0



#10

Methyl Iodide

Concen: 3.239 ug/l

RT: 4.10 min Scan# 388

Delta R.T. 0.01 min

Lab File: VY000743.D

Acq: 19 Nov 2019 14:09

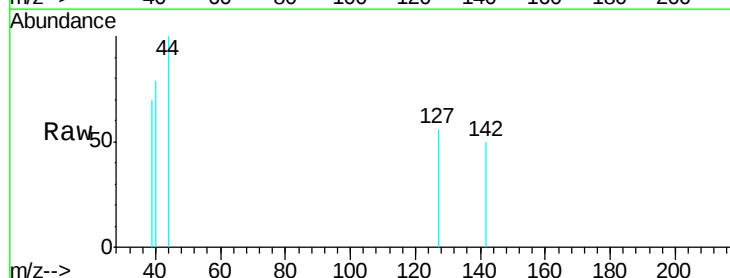
Tgt Ion:142 Resp: 100

Ion Ratio Lower Upper

142 100

127 119.0 33.7 50.5#

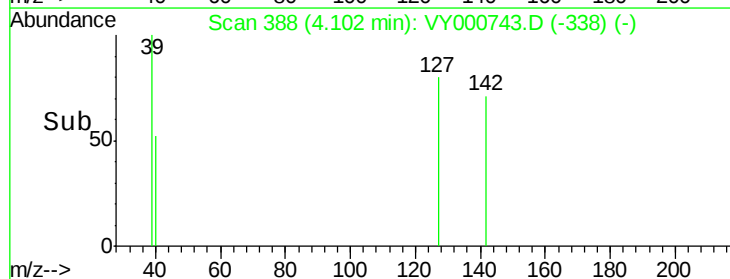
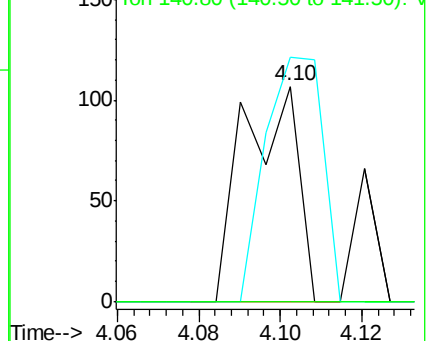
141 0.0 10.9 16.3#

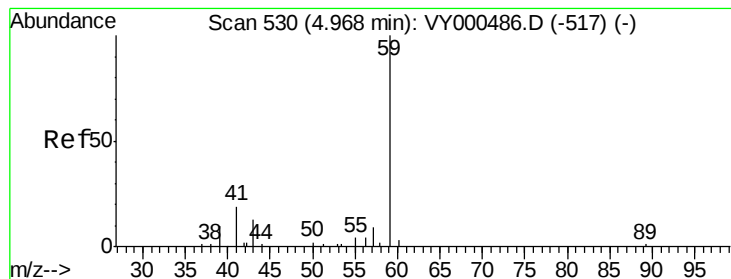


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 1.185 ug/l

RT: 4.97 min Scan# 530

Delta R.T. -0.00 min

Lab File: VY000743.D

Acq: 19 Nov 2019 14:09

Instrument :

MSVOA_Y

ClientSampleId :

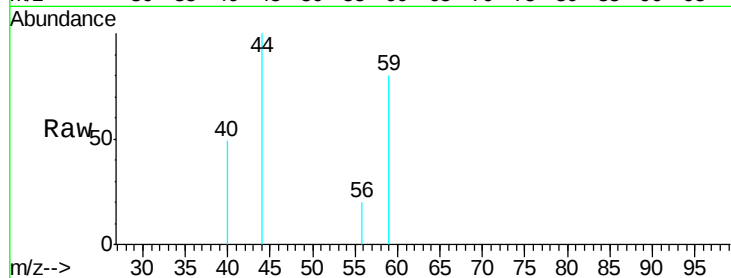
B-8-3-(6-12)RE

Tgt Ion: 59 Resp: 209

Ion Ratio Lower Upper

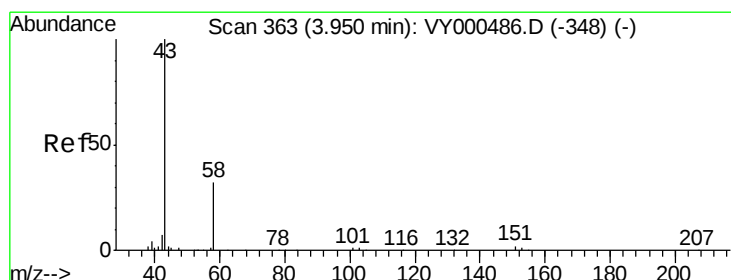
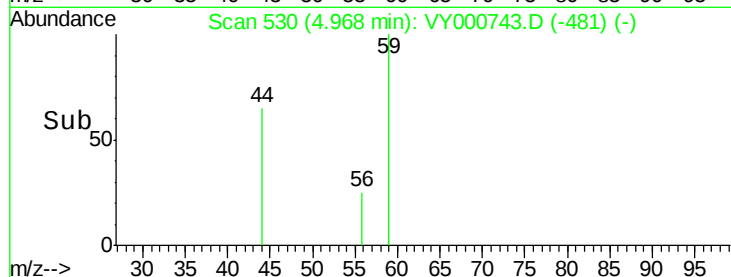
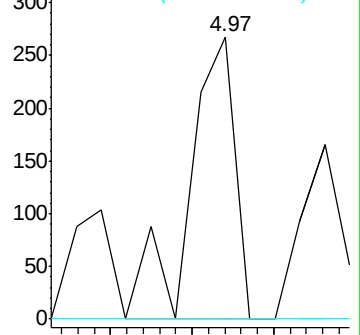
59 100

57 0.0 8.6 12.8#



Abundance Ion 59.00 (58.70 to 59.70): VY0

Ion 57.00 (56.70 to 57.70): VY0



#16

Acetone

Concen: 1.123 ug/l

RT: 3.94 min Scan# 362

Delta R.T. -0.01 min

Lab File: VY000743.D

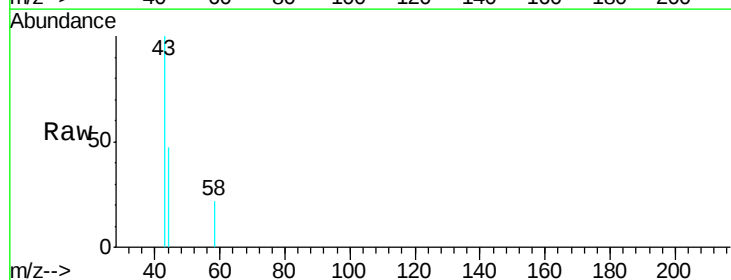
Acq: 19 Nov 2019 14:09

Tgt Ion: 43 Resp: 561

Ion Ratio Lower Upper

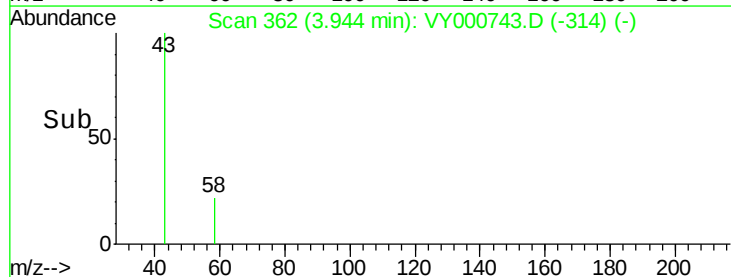
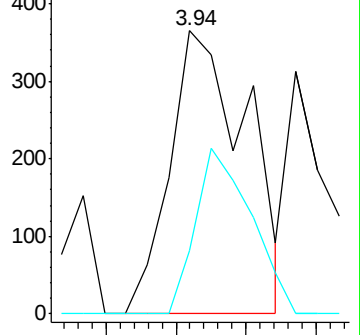
43 100

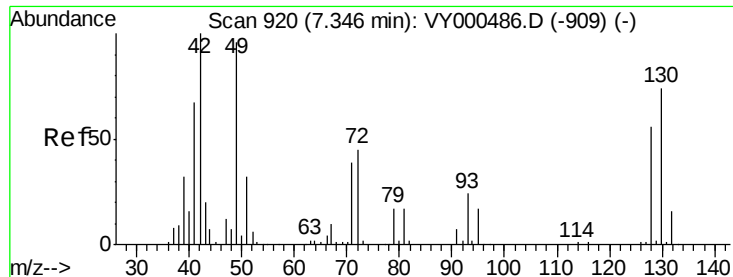
58 22.2 25.8 38.6#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0





#28

Bromochloromethane

Concen: 4.292 ug/l

RT: 7.51 min Scan# 947

Delta R.T. 0.17 min

Lab File: VY000743.D

Acq: 19 Nov 2019 14:09

Instrument :

MSVOA_Y

ClientSampleId :

B-8-3-(6-12)RE

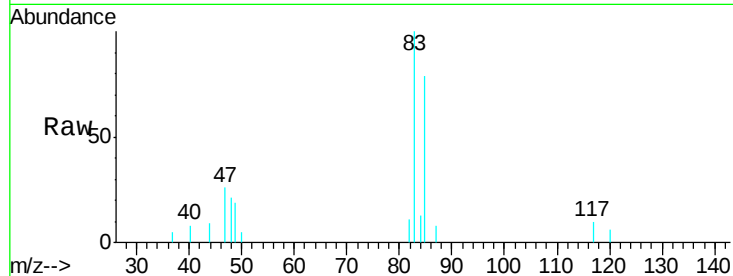
Tgt Ion: 49 Resp: 332

Ion Ratio Lower Upper

49 100

129 7.5 0.0 3.6#

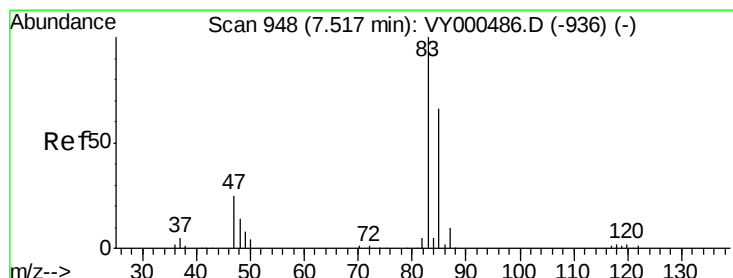
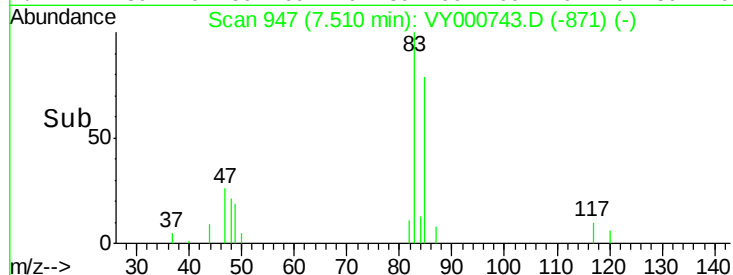
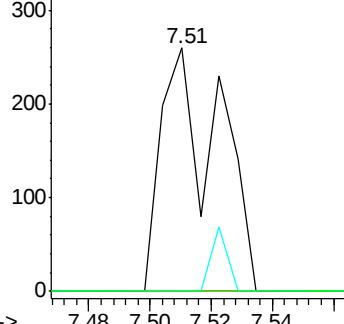
130 0.0 59.4 89.0#



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: 1.264 ug/l

RT: 7.52 min Scan# 949

Delta R.T. 0.01 min

Lab File: VY000743.D

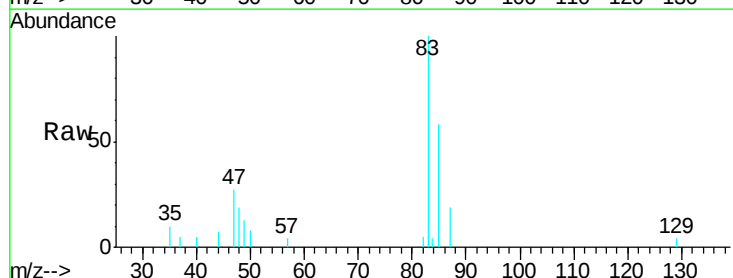
Acq: 19 Nov 2019 14:09

Tgt Ion: 83 Resp: 4283

Ion Ratio Lower Upper

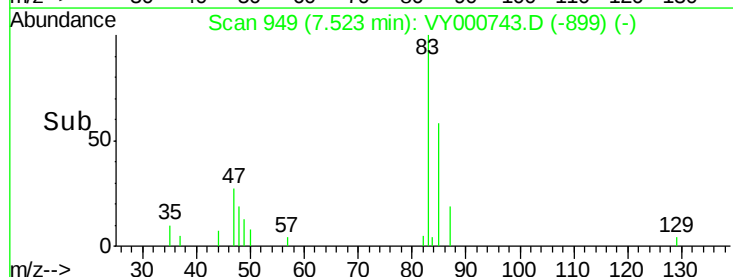
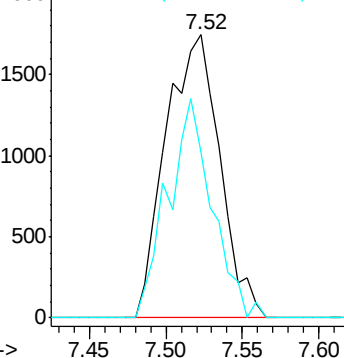
83 100

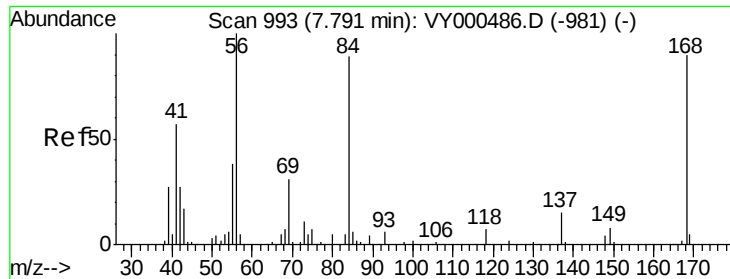
85 58.5 53.0 79.4



Abundance Ion 82.90 (82.60 to 83.60): VY0

Ion 84.90 (84.60 to 85.60): VY0

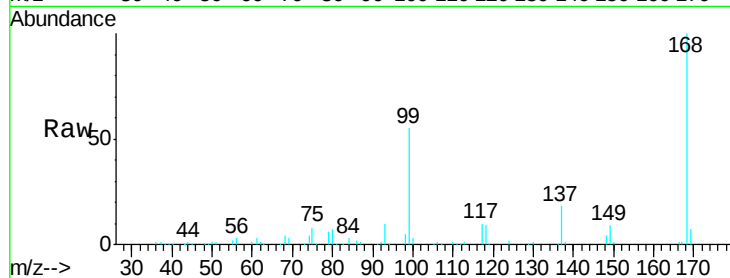




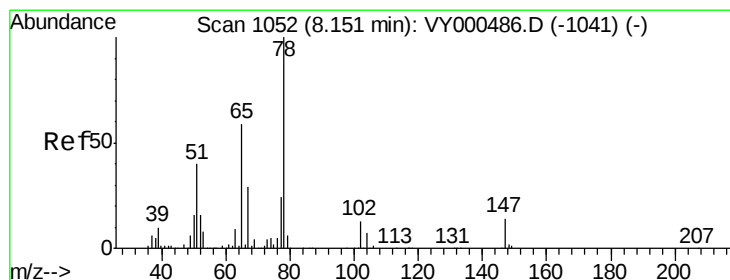
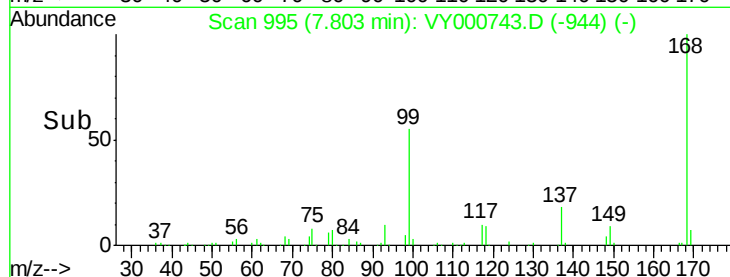
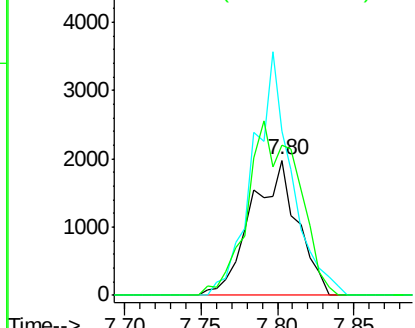
#31
Cyclohexane
Concen: 1.186 ug/l
RT: 7.80 min Scan# 995
Delta R.T. 0.01 min
Lab File: VY000743.D
Acq: 19 Nov 2019 14:09

Instrument :
MSVOA_Y
ClientSampleId :
B-8-3-(6-12)RE

Tgt Ion: 56 Resp: 4159
Ion Ratio Lower Upper
56 100
69 121.7 25.0 37.6#
84 111.6 71.4 107.2#

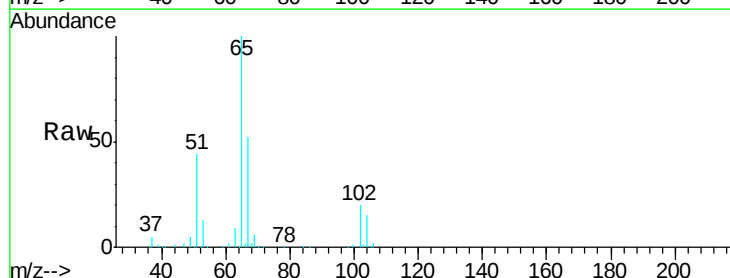


Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0

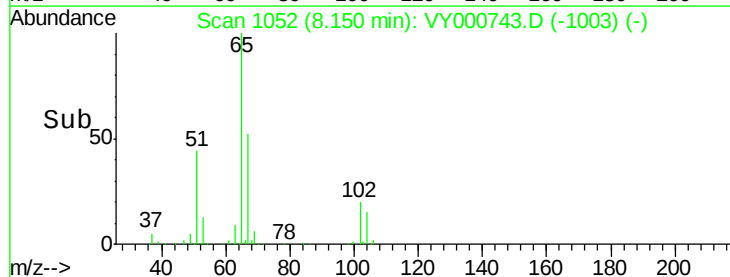
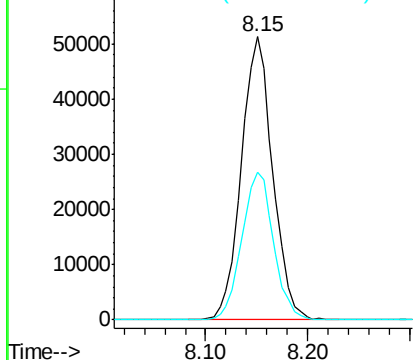


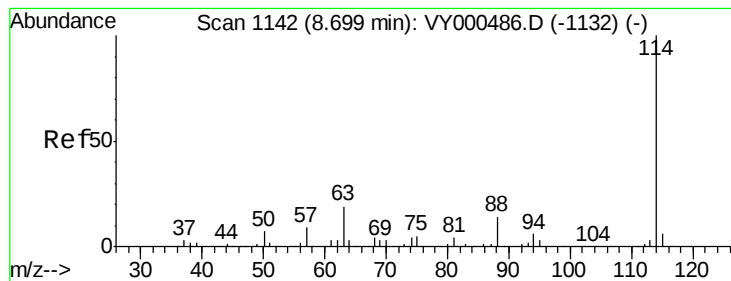
#33
1,2-Dichloroethane-d4
Concen: 60.337 ug/l
RT: 8.15 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VY000743.D
Acq: 19 Nov 2019 14:09

Tgt Ion: 65 Resp: 109314
Ion Ratio Lower Upper
65 100
67 52.9 0.0 107.2



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: VY000743.D

Acq: 19 Nov 2019 14:09

Instrument :

MSVOA_Y

ClientSampleId :

B-8-3-(6-12)RE

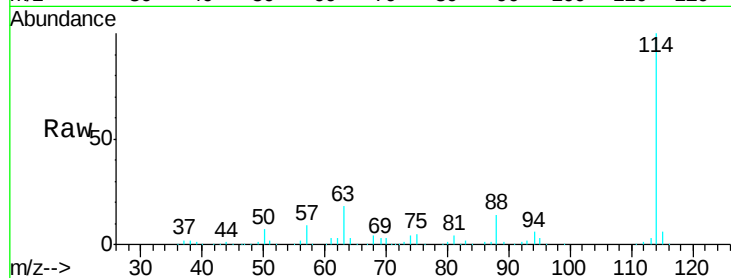
Tgt Ion:114 Resp: 326778

Ion Ratio Lower Upper

114 100

63 18.2 0.0 38.0

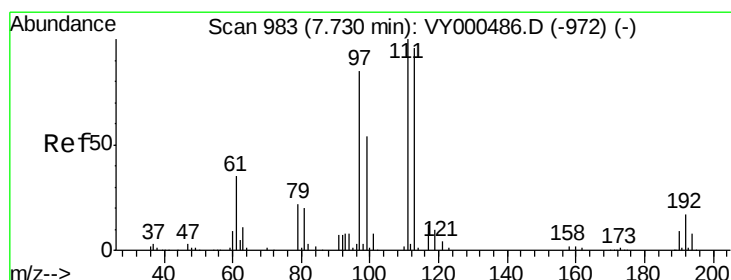
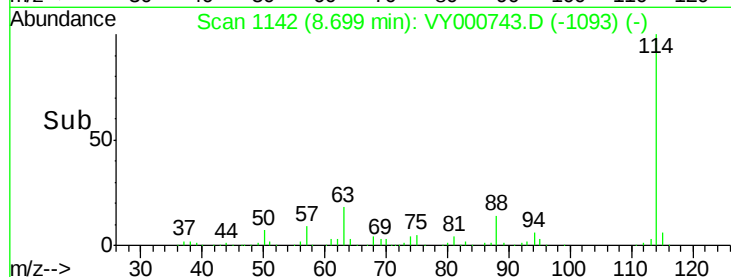
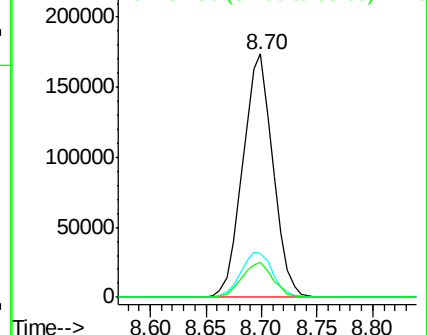
88 14.1 0.0 28.6



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: 51.909 ug/l

RT: 7.73 min Scan# 983

Delta R.T. -0.00 min

Lab File: VY000743.D

Acq: 19 Nov 2019 14:09

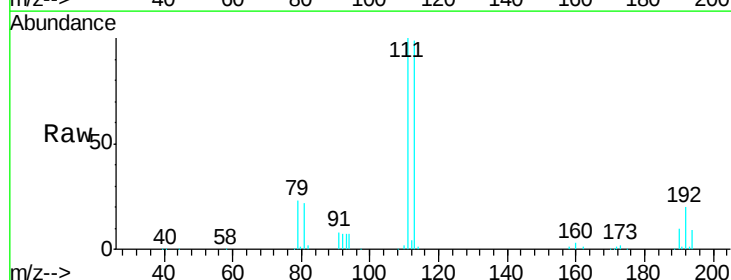
Tgt Ion:113 Resp: 99582

Ion Ratio Lower Upper

113 100

111 102.4 81.7 122.5

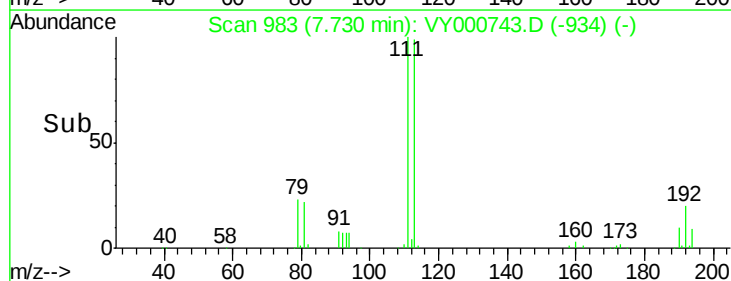
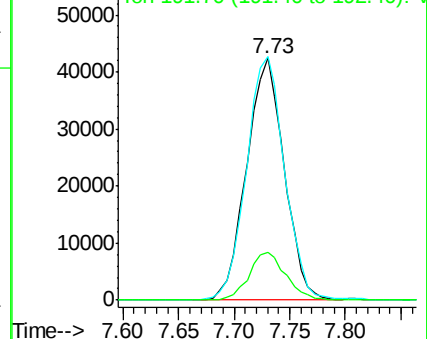
192 19.1 15.0 22.4

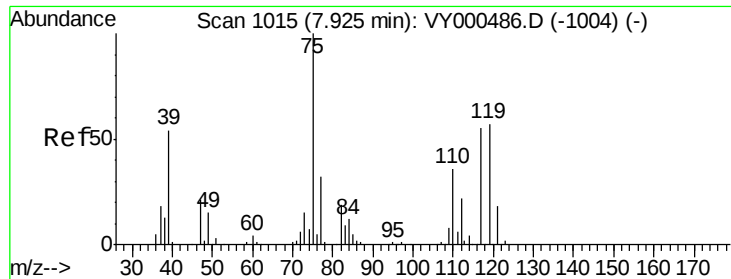


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

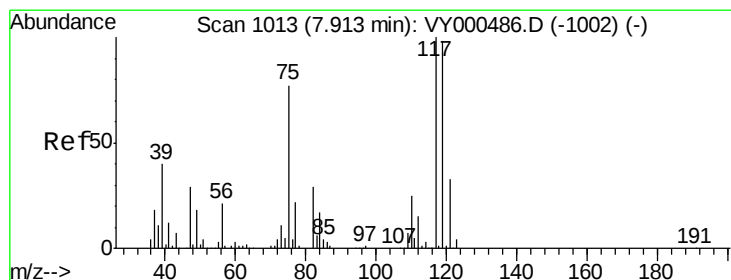
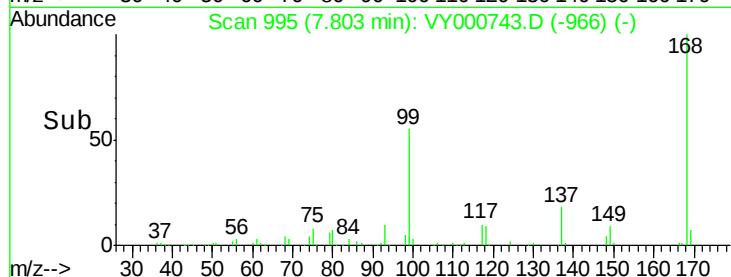
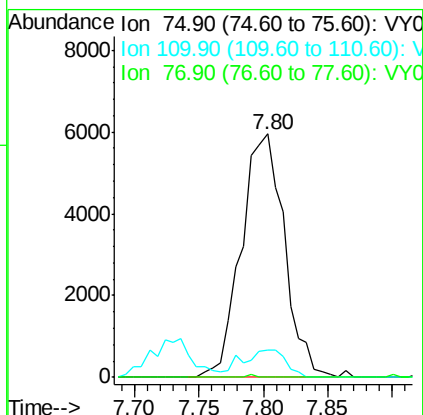
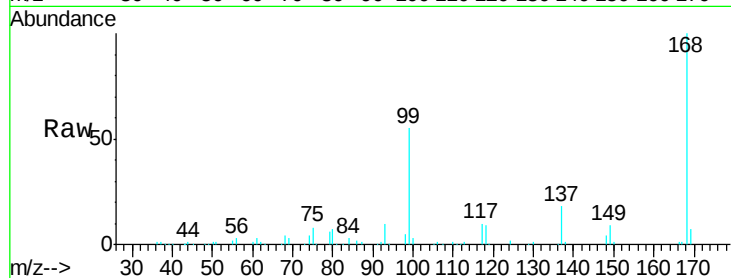




#36
 1,1-Dichloropropene
 Concen: 4.460 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.12 min
 Lab File: VY000743.D
 Acq: 19 Nov 2019 14:09

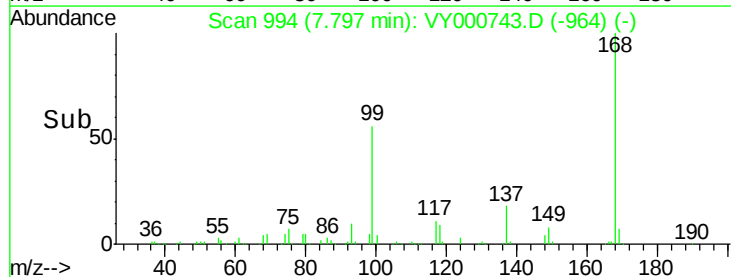
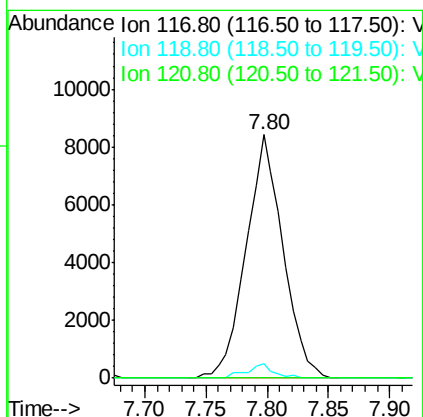
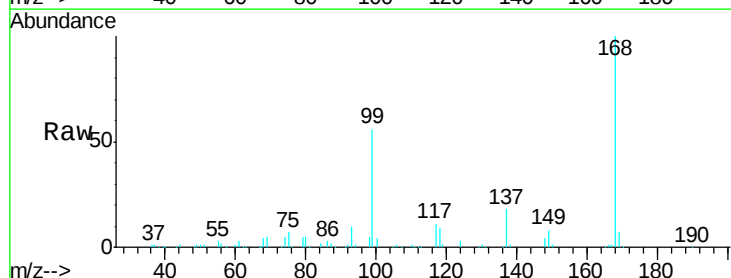
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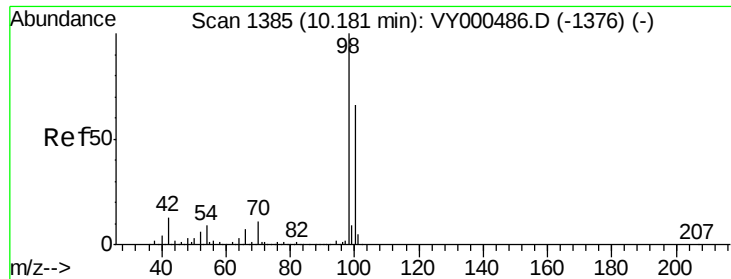
Tgt Ion: 75 Resp: 13777
 Ion Ratio Lower Upper
 75 100
 110 11.4 18.1 54.1#
 77 0.2 25.0 37.6#



#38
 Carbon Tetrachloride
 Concen: 5.952 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.12 min
 Lab File: VY000743.D
 Acq: 19 Nov 2019 14:09

Tgt Ion: 117 Resp: 17693
 Ion Ratio Lower Upper
 117 100
 119 5.9 78.0 117.0#
 121 0.0 26.6 40.0#





#50

Toluene-d8

Concen: 53.266 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY000743.D

Acq: 19 Nov 2019 14:09

Instrument :

MSVOA_Y

ClientSampleId :

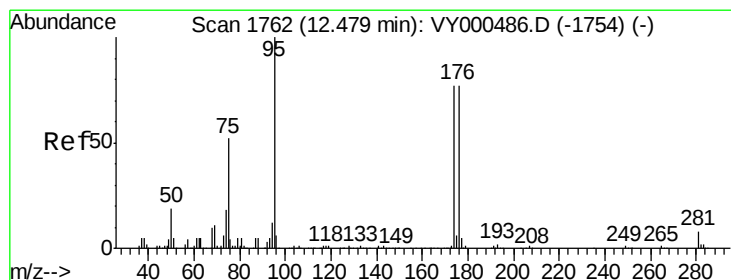
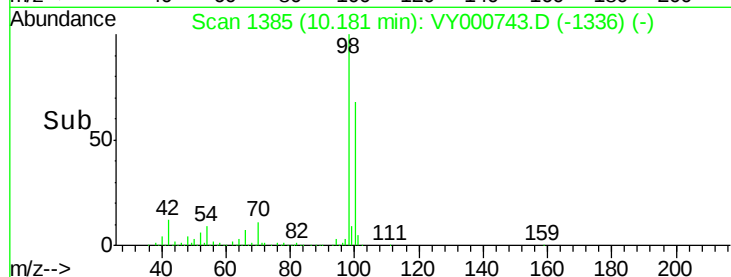
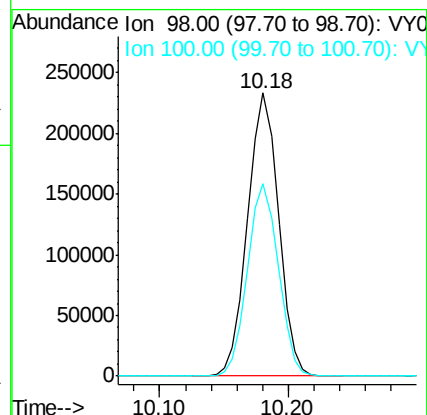
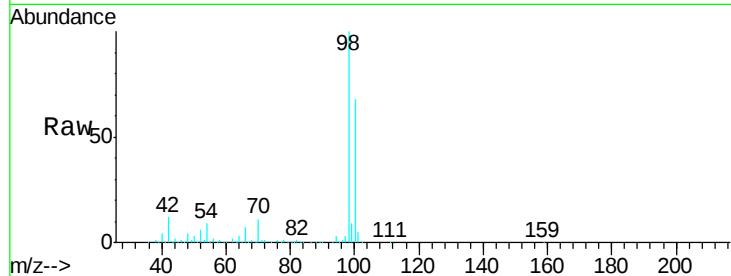
B-8-3-(6-12)RE

Tgt Ion: 98 Resp: 387742

Ion Ratio Lower Upper

98 100

100 67.9 52.9 79.3



#62

4-Bromofluorobenzene

Concen: 47.396 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY000743.D

Acq: 19 Nov 2019 14:09

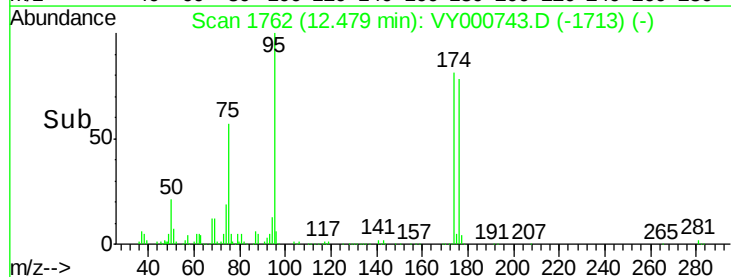
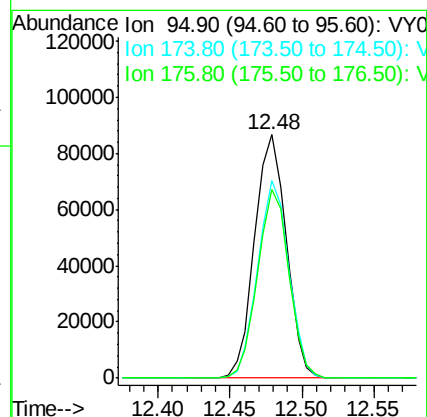
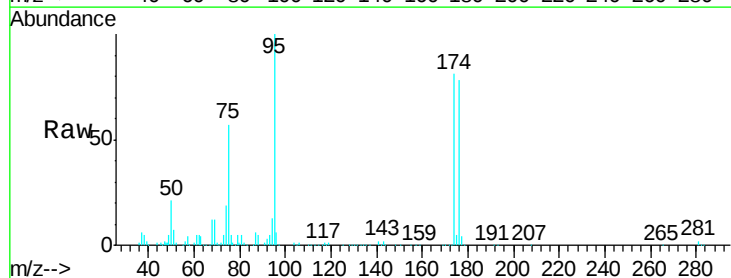
Tgt Ion: 95 Resp: 131343

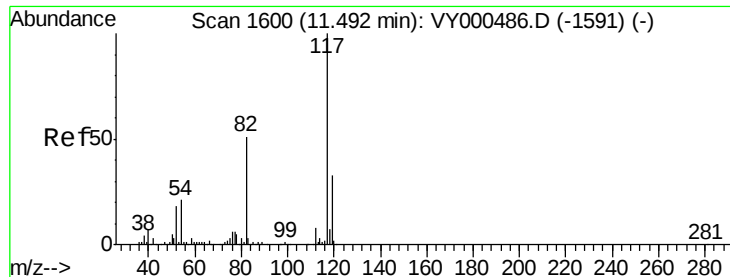
Ion Ratio Lower Upper

95 100

174 80.2 0.0 161.6

176 77.0 0.0 157.8

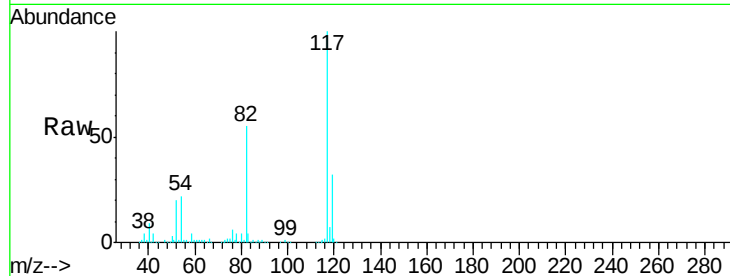




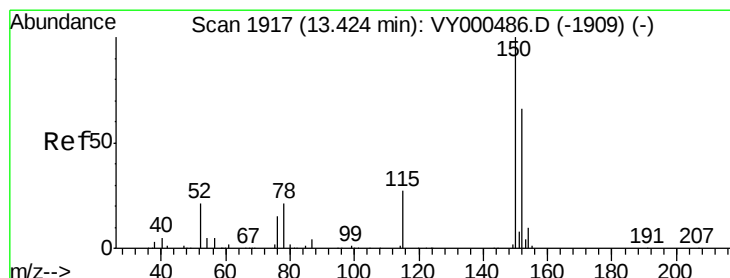
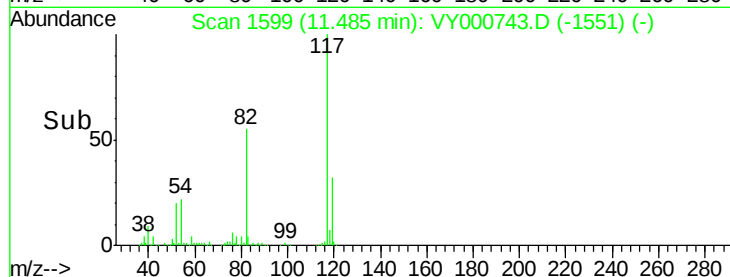
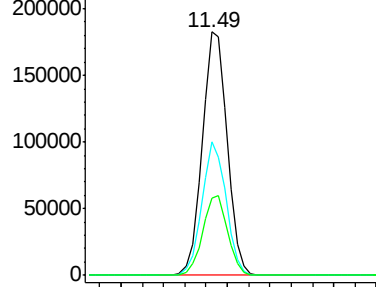
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VY000743.D
Acq: 19 Nov 2019 14:09

Instrument :
MSVOA_Y
ClientSampleId :
B-8-3-(6-12)RE

Tgt Ion	Ratio	Lower	Upper
117	100		
82	55.0	40.8	61.2
119	31.9	26.2	39.2

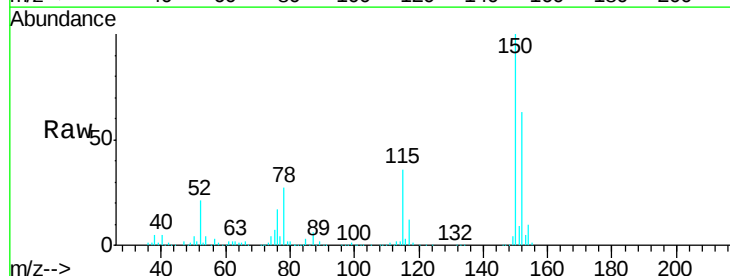


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

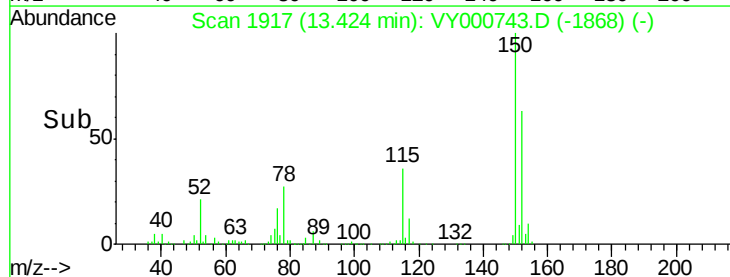
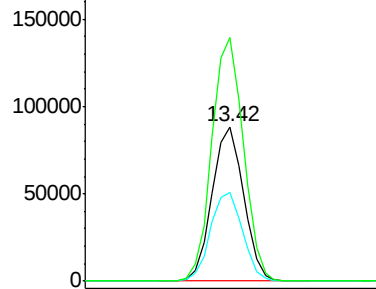


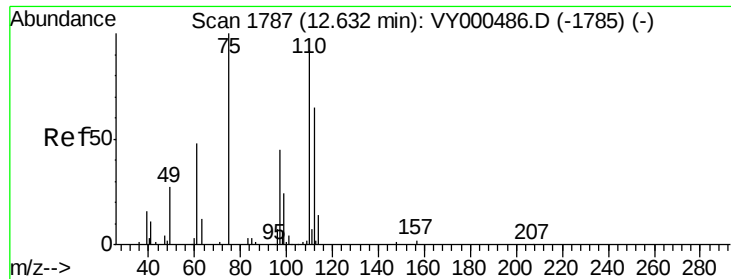
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY000743.D
Acq: 19 Nov 2019 14:09

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.4	29.1	87.4
150	158.2	0.0	348.8



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: 46.749 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY000743.D

Acq: 19 Nov 2019 14:09

Instrument :

MSVOA_Y

ClientSampleId :

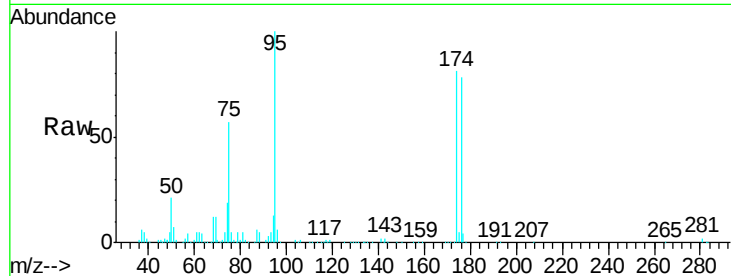
B-8-3-(6-12)RE

Tgt Ion: 75 Resp: 71247

Ion Ratio Lower Upper

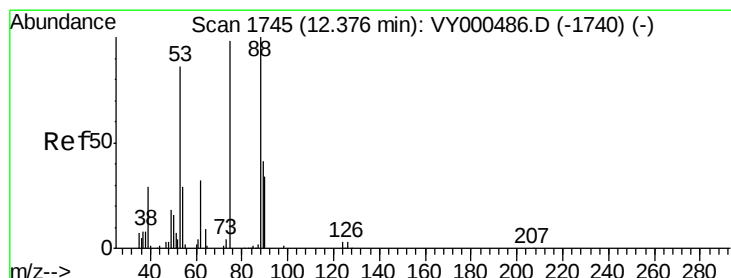
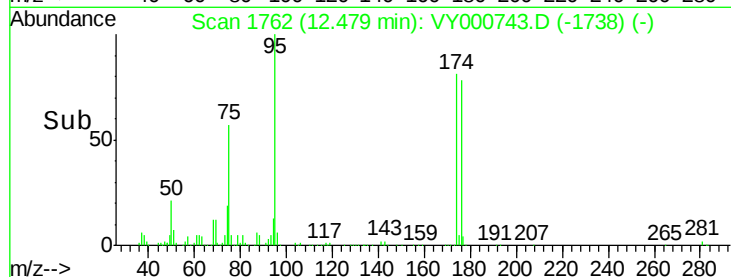
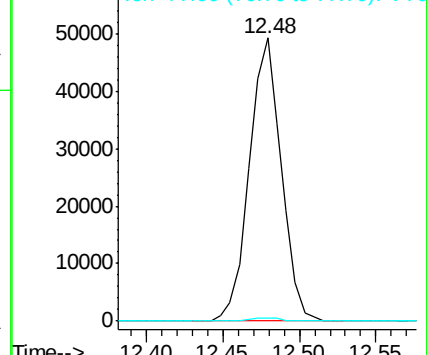
75 100

77 1.1 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: 104.818 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000743.D

Acq: 19 Nov 2019 14:09

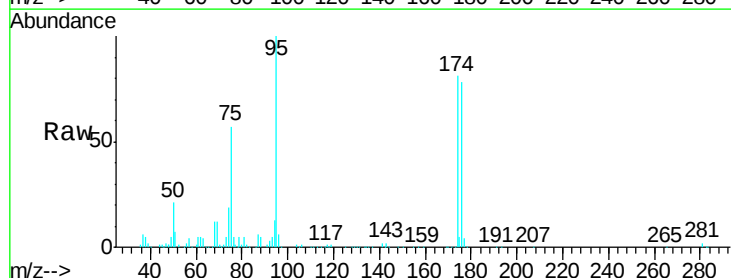
Tgt Ion: 75 Resp: 71247

Ion Ratio Lower Upper

75 100

53 0.0 73.2 109.8#

89 0.0 35.9 53.9#



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

