

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY120319\
 Data File : VY000847.D
 Acq On : 03 Dec 2019 18:32
 Operator : SY/MD
 Sample : K6119-03
 Misc : 4.45G/5ML/MSVOA Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 04 00:59:10 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	17115	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	28494	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	21790	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	7748	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	8493	46.70	ug/l	0.00
Spiked Amount			Recovery	=	93.40%	
35) Dibromofluoromethane	7.72	113	4033	24.29	ug/l	0.00
Spiked Amount			Recovery	=	48.58%	
50) Toluene-d8	10.18	98	31436	47.35	ug/l	0.00
Spiked Amount			Recovery	=	94.70%	
62) 4-Bromofluorobenzene	12.48	95	8872	35.58	ug/l	0.00
Spiked Amount			Recovery	=	71.16%	

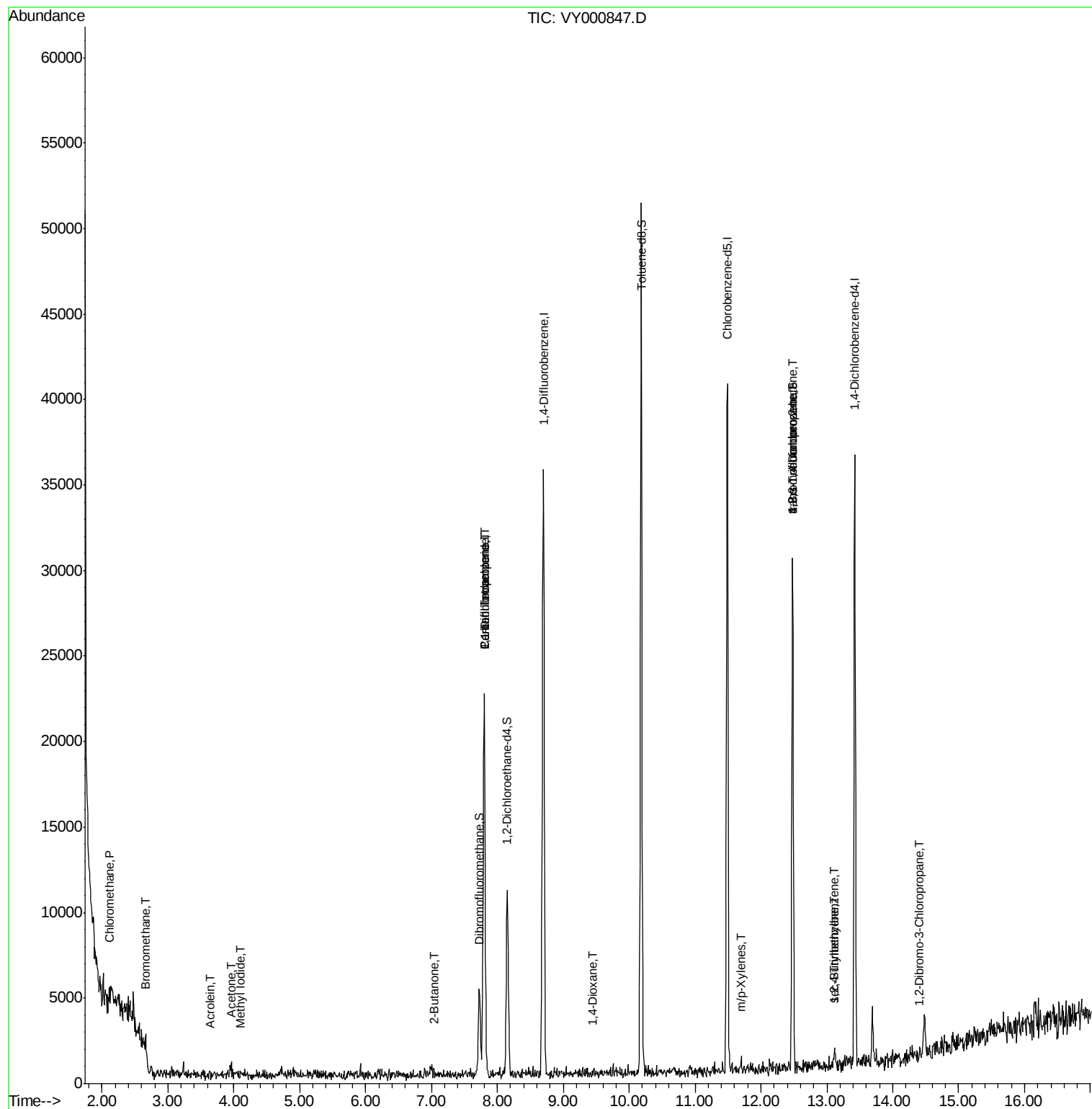
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.11	50	327	1.440	ug/l #	63
5) Bromomethane	2.67	94	366	2.121	ug/l #	64
10) Methyl Iodide	4.11	142	251	1.052	ug/l #	41
13) Acrolein	3.64	56	62	3.440	ug/l #	15
16) Acetone	3.96	43	611	14.646	ug/l #	73
25) 2-Butanone	7.03	43	107	1.388	ug/l #	49
36) 1,1-Dichloropropene	7.81	75	1475	5.206	ug/l #	41
38) Carbon Tetrachloride	7.80	117	1759	6.972	ug/l #	16
49) 1,4-Dioxane	9.44	88	24	15.639	ug/l #	27
68) m/p-Xylenes	11.70	106	352	1.112	ug/l #	28
76) 1,2,3-Trichloropropane	12.48	75	4818	54.885	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	4818	107.809	ug/l #	17
84) 1,2,4-Trimethylbenzene	13.11	105	709	1.387	ug/l	92
85) sec-Butylbenzene	13.11	105	709	1.135	ug/l #	56
92) 1,2-Dibromo-3-Chloropropan	14.39	75	65	3.194	ug/l #	1

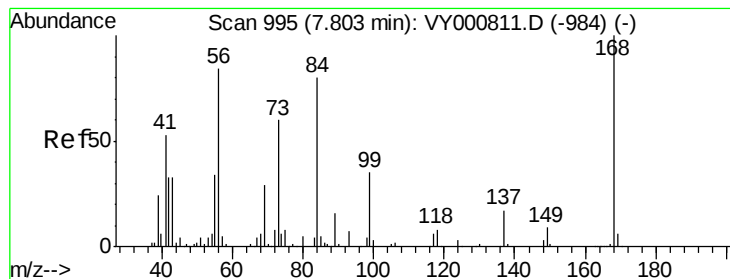
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Nov 27 12:40:47 2019
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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: VY000847.D

Acq: 03 Dec 2019 18:32

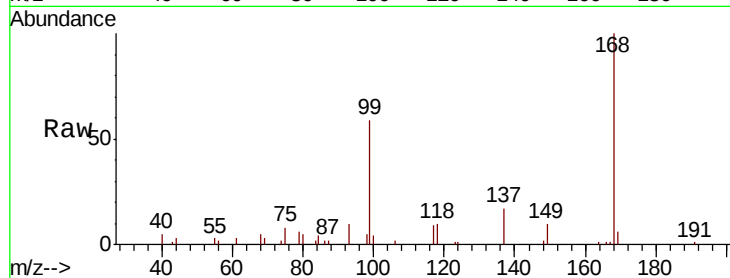
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:168 Resp: 17115

Ion Ratio Lower Upper

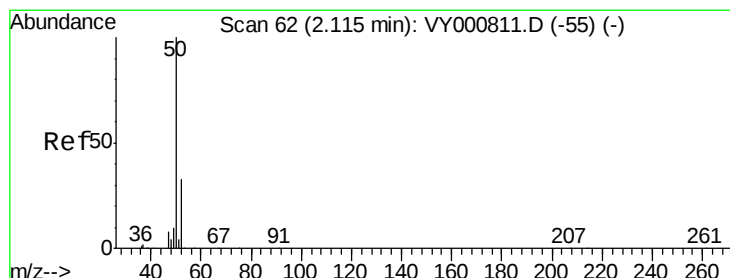
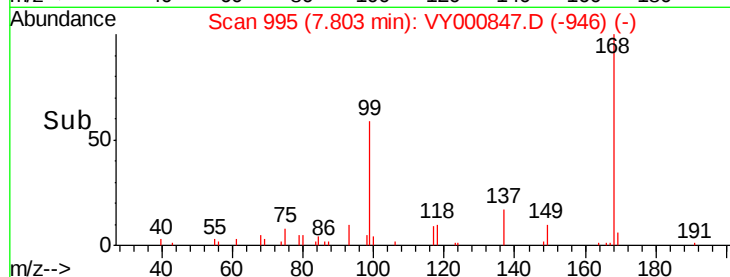
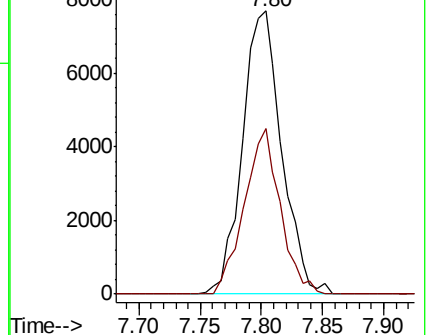
168 100

99 58.5 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): VY000811.D (-984) (-)

Ion 98.90 (98.60 to 99.60): VY000811.D (-984) (-)



#3

Chloromethane

Concen: 1.440 ug/l

RT: 2.11 min Scan# 61

Delta R.T. -0.01 min

Lab File: VY000847.D

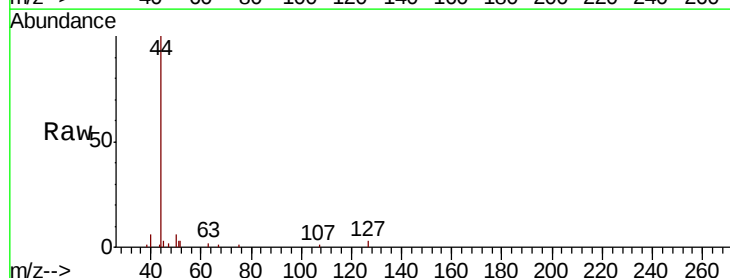
Acq: 03 Dec 2019 18:32

Tgt Ion: 50 Resp: 327

Ion Ratio Lower Upper

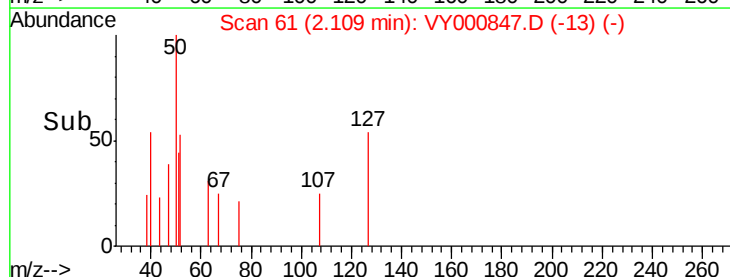
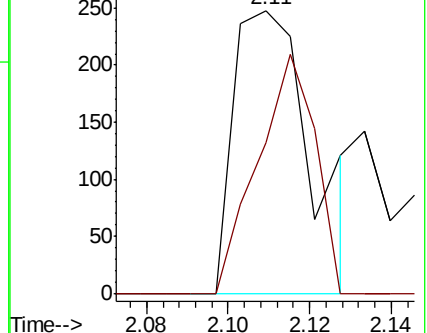
50 100

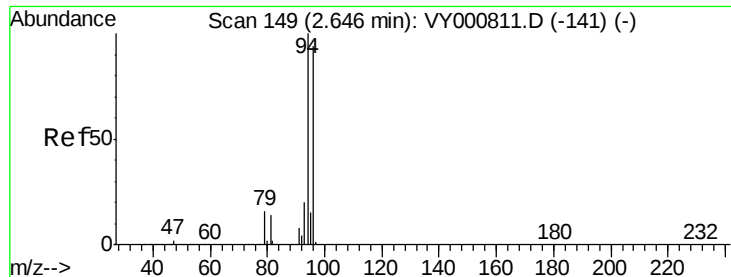
52 53.2 26.0 39.0#



Abundance Ion 49.90 (49.60 to 50.60): VY000811.D (-55) (-)

Ion 51.90 (51.60 to 52.60): VY000811.D (-55) (-)





#5

Bromomethane

Concen: 2.121 ug/l

RT: 2.67 min Scan# 153

Delta R.T. 0.02 min

Lab File: VY000847.D

Acq: 03 Dec 2019 18:32

Instrument :

MSVOA_Y

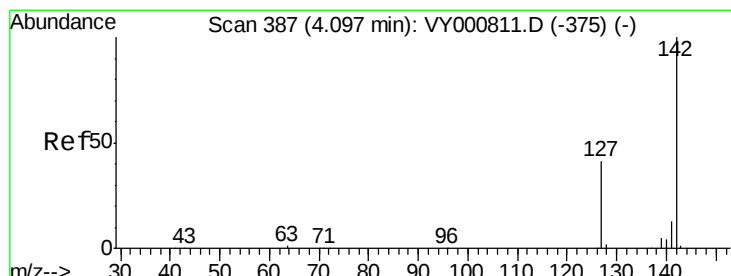
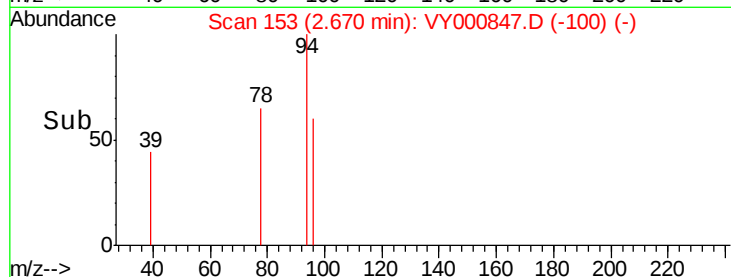
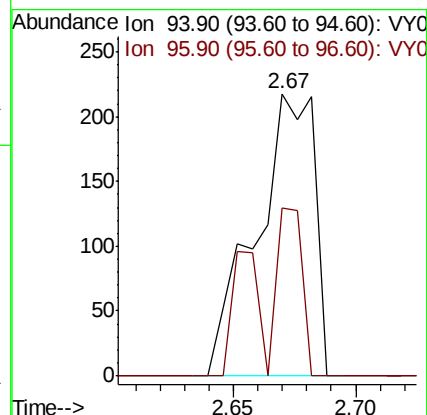
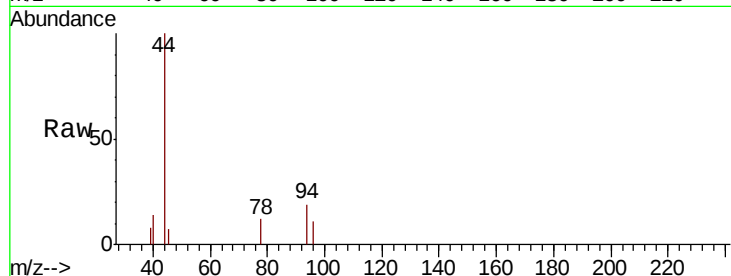
ClientSampleId :

Tot Ion: 94 Resp: 366

Ion Ratio Lower Upper

94 100

96 59.6 75.2 112.8#



#10

Methyl Iodide

Concen: 1.052 ug/l

RT: 4.11 min Scan# 389

Delta R.T. 0.01 min

Lab File: VY000847.D

Acq: 03 Dec 2019 18:32

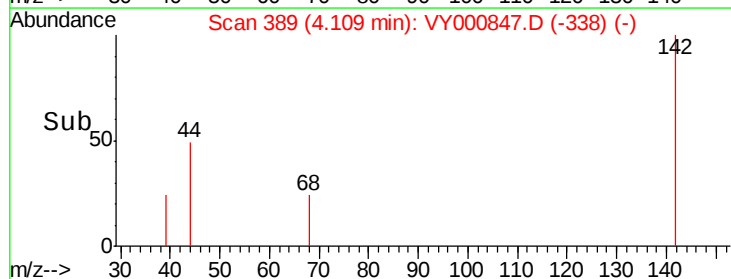
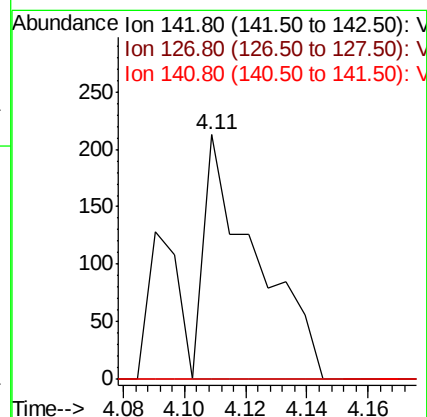
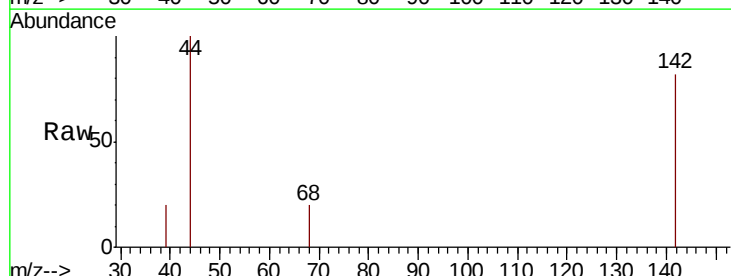
Tgt Ion: 142 Resp: 251

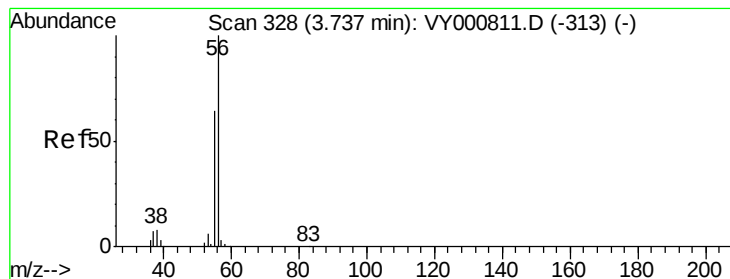
Ion Ratio Lower Upper

142 100

127 0.0 33.8 50.8#

141 0.0 10.9 16.3#





#13

Acrolein

Concen: 3.440 ug/l

RT: 3.64 min Scan# 312

Delta R.T. -0.10 min

Lab File: VY000847.D

Acq: 03 Dec 2019 18:32

Instrument :

MSVOA_Y

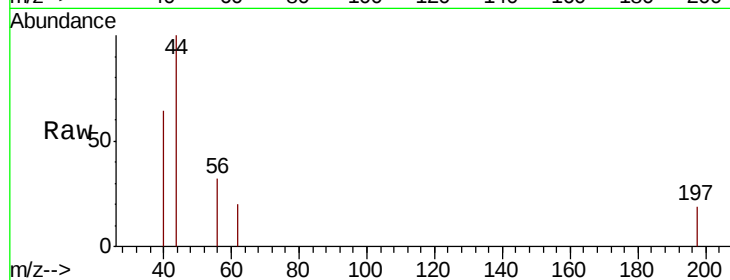
ClientSampleId :

Tot Ion: 56 Resp: 62

Ion Ratio Lower Upper

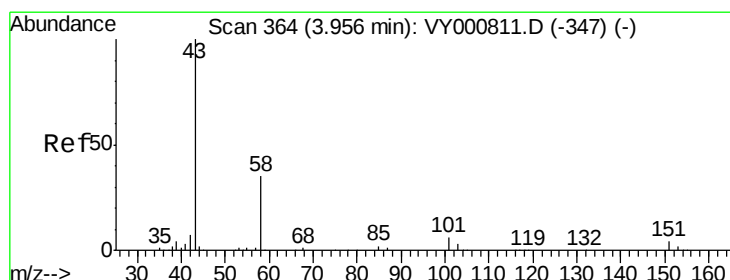
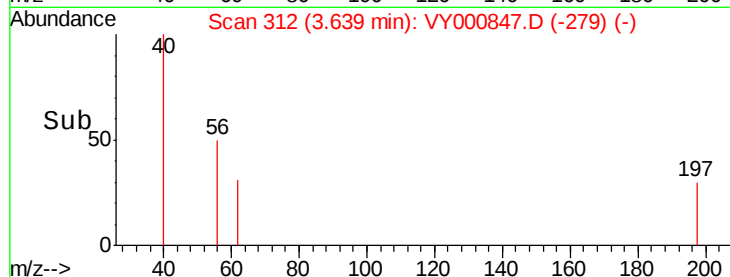
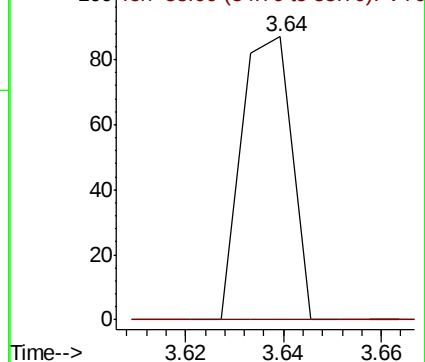
56 100

55 0.0 55.7 83.5#



Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 55.00 (54.70 to 55.70): VY0



#16

Acetone

Concen: 14.646 ug/l

RT: 3.96 min Scan# 364

Delta R.T. -0.00 min

Lab File: VY000847.D

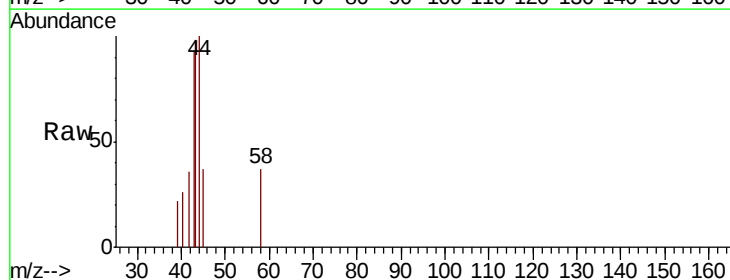
Acq: 03 Dec 2019 18:32

Tgt Ion: 43 Resp: 611

Ion Ratio Lower Upper

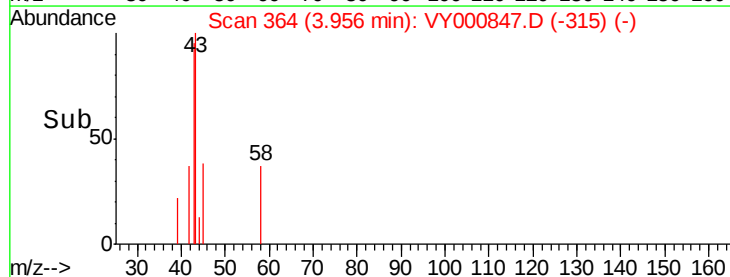
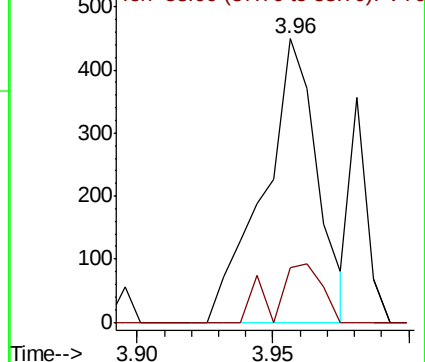
43 100

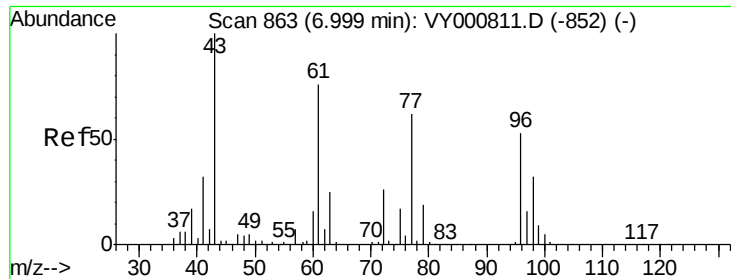
58 19.2 28.0 42.0#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

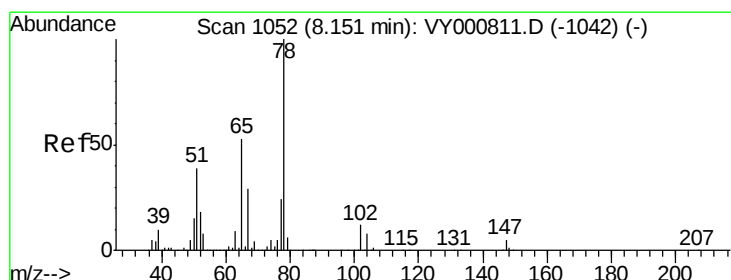
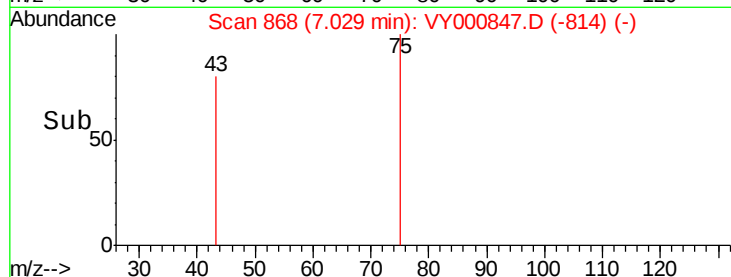
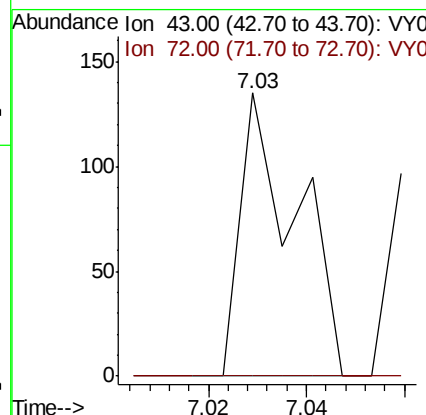
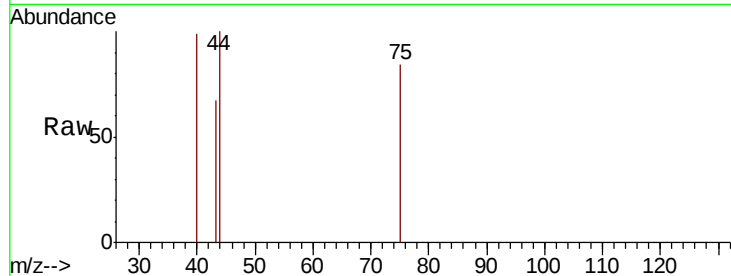




#25
2-Butanone
Concen: 1.388 ug/l
RT: 7.03 min Scan# 868
Delta R.T. 0.03 min
Lab File: VY000847.D
Acq: 03 Dec 2019 18:32

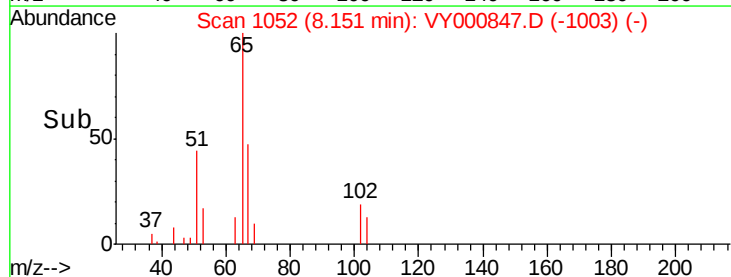
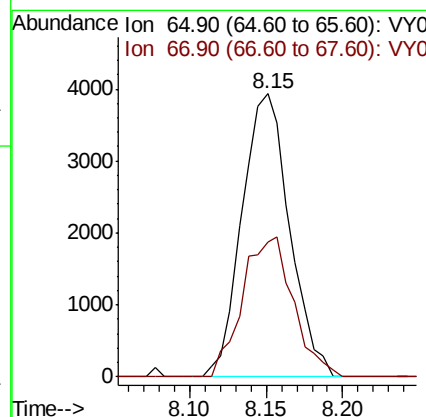
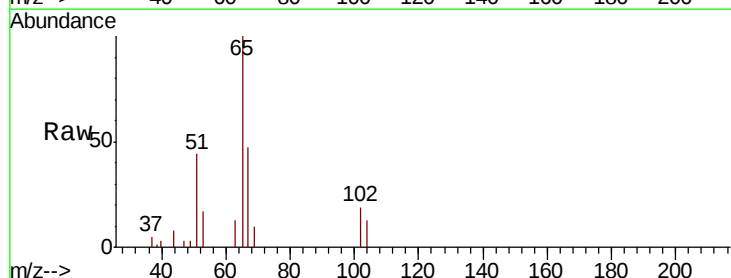
Instrument :
MSVOA_Y
ClientSampled :

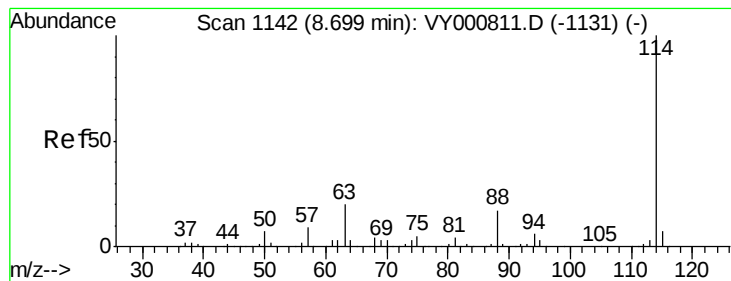
Tot Ion: 43 Resp: 107
Ion Ratio Lower Upper
43 100
72 0.0 21.0 31.4#



#33
1,2-Dichloroethane-d4
Concen: 46.700 ug/l
RT: 8.15 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VY000847.D
Acq: 03 Dec 2019 18:32

Tgt Ion: 65 Resp: 8493
Ion Ratio Lower Upper
65 100
67 52.7 0.0 112.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.70 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VY000847.D

Acq: 03 Dec 2019 18:32

Instrument :

MSVOA_Y

ClientSampleId :

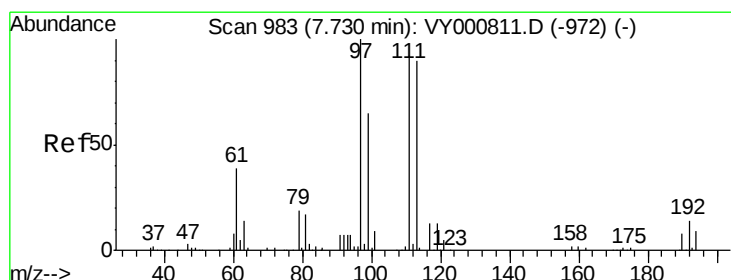
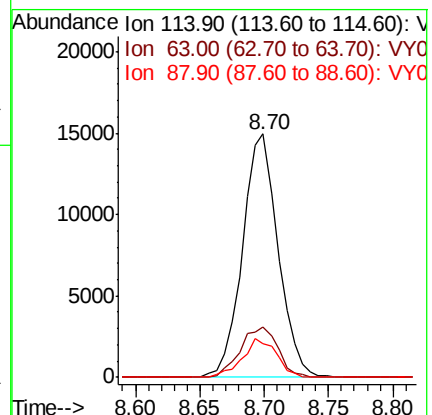
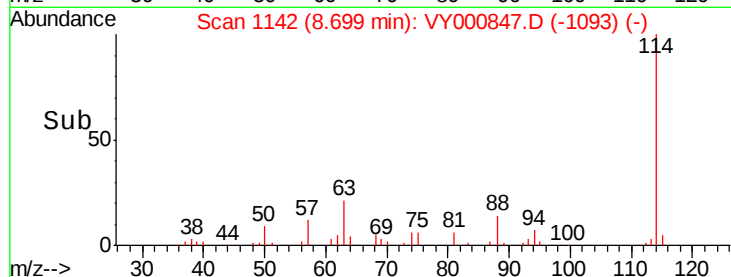
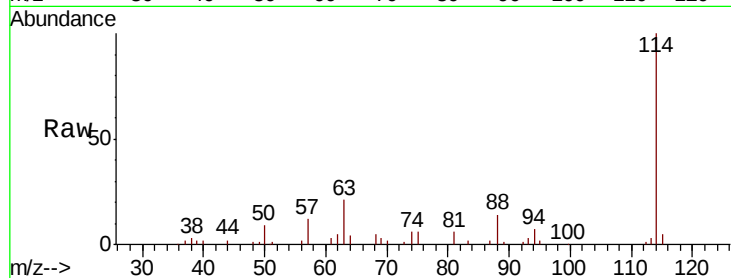
Tot Ion:114 Resp: 28494

Ion Ratio Lower Upper

114 100

63 20.8 0.0 39.8

88 14.0 0.0 33.2



#35

Dibromofluoromethane

Concen: 24.286 ug/l

RT: 7.72 min Scan# 982

Delta R.T. -0.01 min

Lab File: VY000847.D

Acq: 03 Dec 2019 18:32

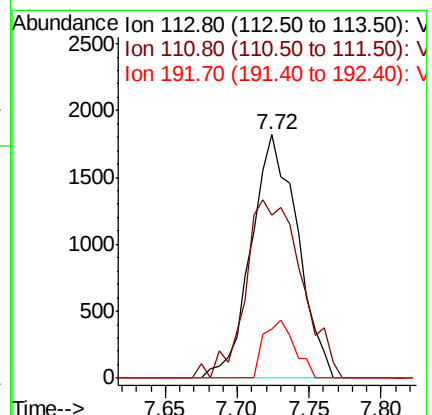
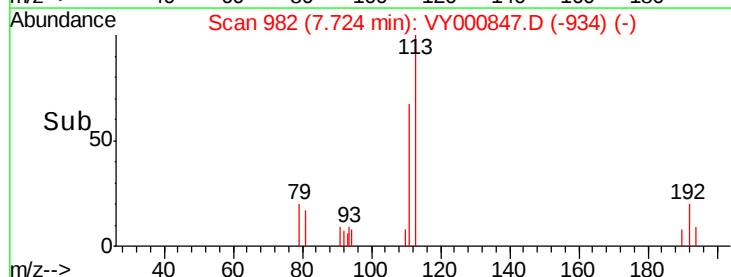
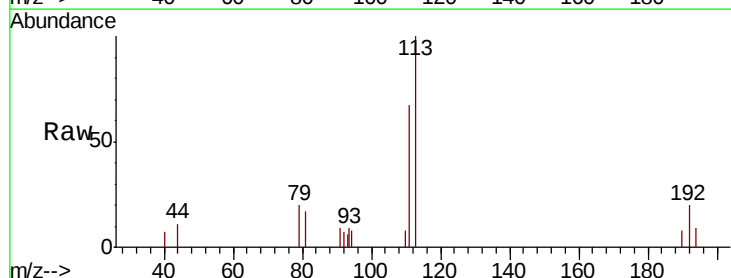
Tgt Ion:113 Resp: 4033

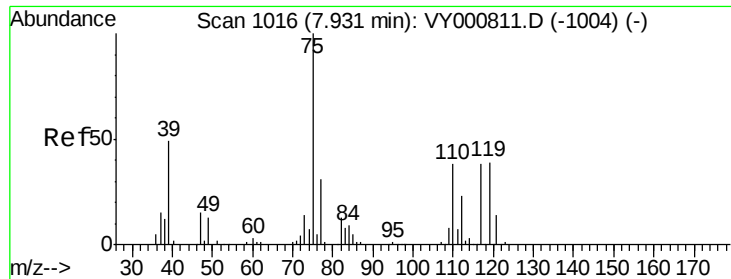
Ion Ratio Lower Upper

113 100

111 88.9 82.4 123.6

192 15.8 14.2 21.2

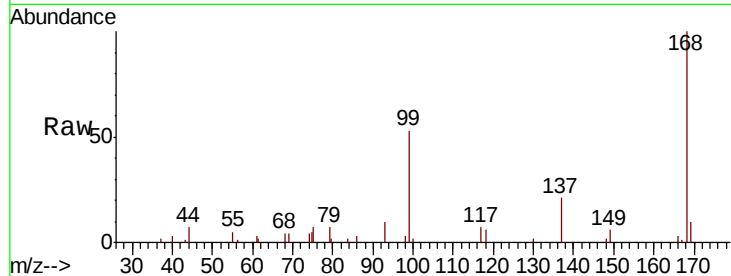




#36
 1,1-Dichloropropene
 Concen: 5.206 ug/l
 RT: 7.81 min Scan# 996
 Delta R.T. -0.12 min
 Lab File: VY000847.D
 Acq: 03 Dec 2019 18:32

Instrument :
 MSVOA_Y
 ClientSampled :

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

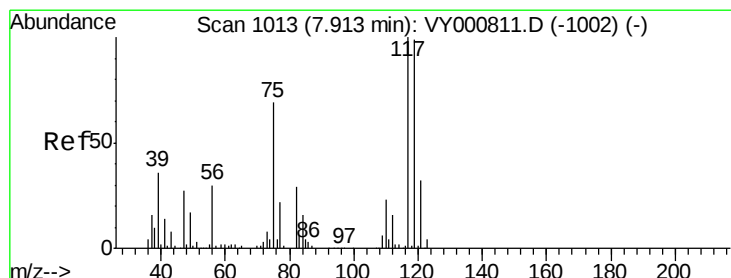
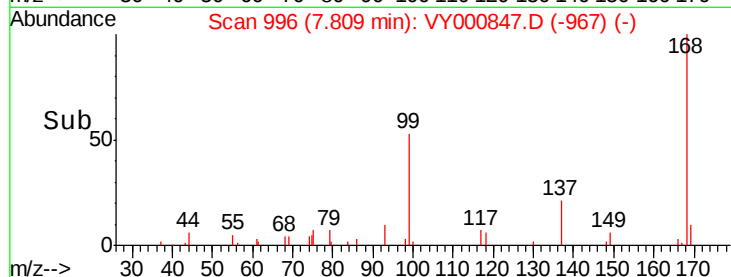
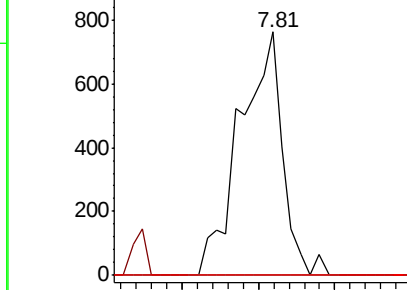


Abundance

Ion 74.90 (74.60 to 75.60): VY0

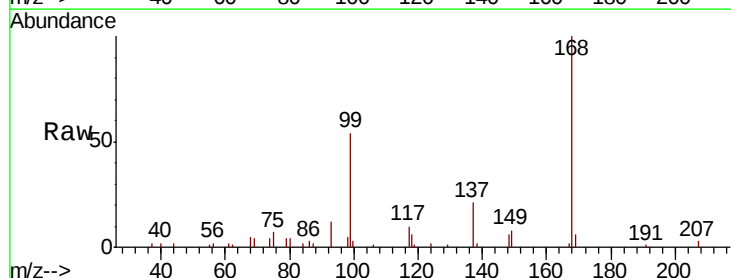
Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0



#38
 Carbon Tetrachloride
 Concen: 6.972 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.12 min
 Lab File: VY000847.D
 Acq: 03 Dec 2019 18:32

Tgt Ion	Ratio	Lower	Upper
117	100		
119	7.2	79.3	118.9#
121	0.0	25.5	38.3#

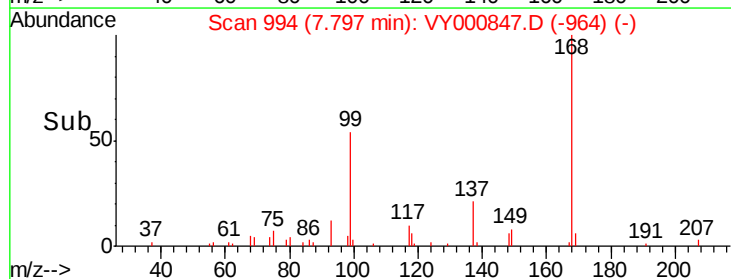
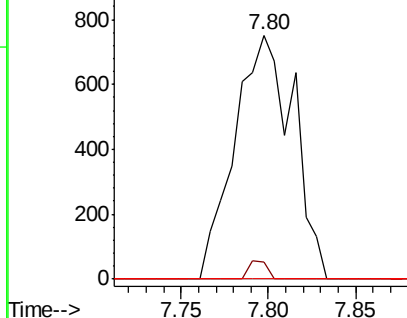


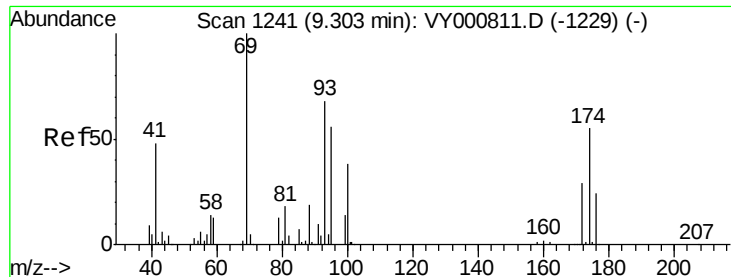
Abundance

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

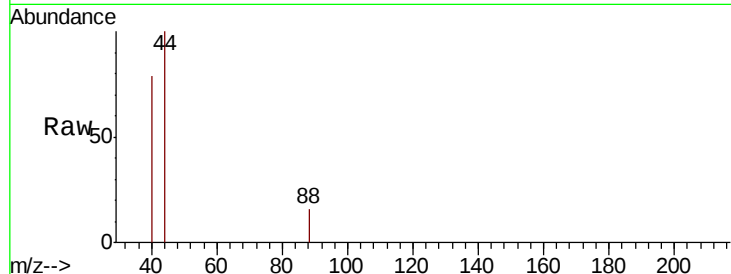




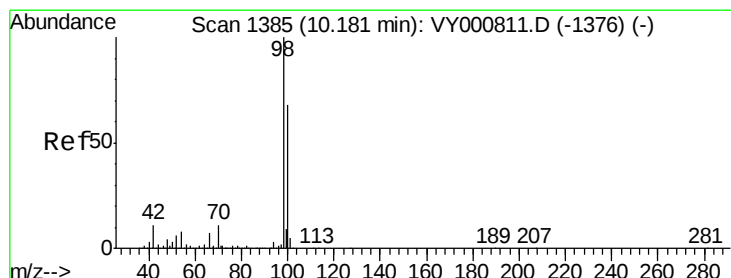
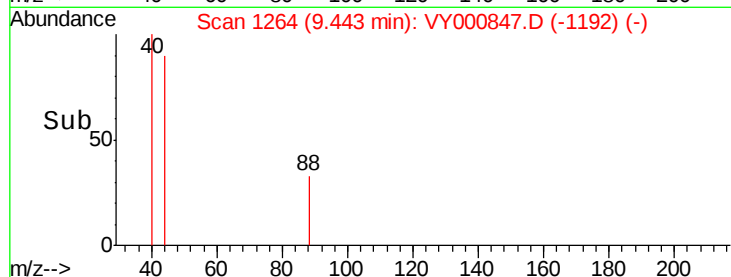
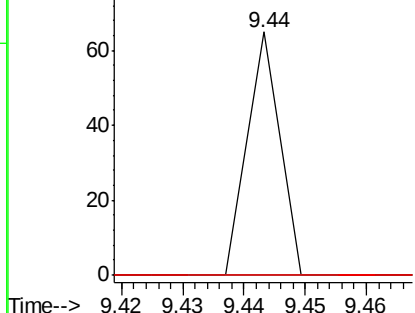
#49
1,4-Dioxane
Concen: 15.639 ug/l
RT: 9.44 min Scan# 1264
Delta R.T. 0.14 min
Lab File: VY000847.D
Acq: 03 Dec 2019 18:32

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 88 Resp: 24
Ion Ratio Lower Upper
88 100
43 0.0 21.1 31.7#
58 0.0 50.7 76.1#

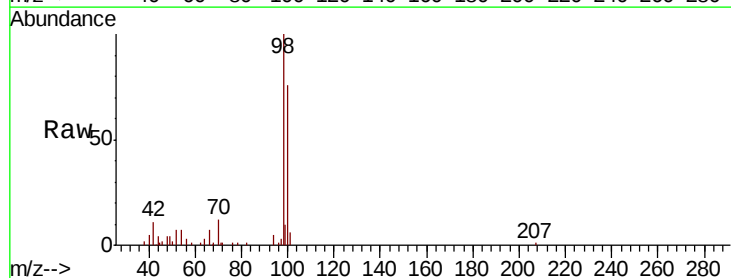


Abundance Ion 88.00 (87.70 to 88.70): VY0
Ion 43.00 (42.70 to 43.70): VY0
Ion 58.00 (57.70 to 58.70): VY0

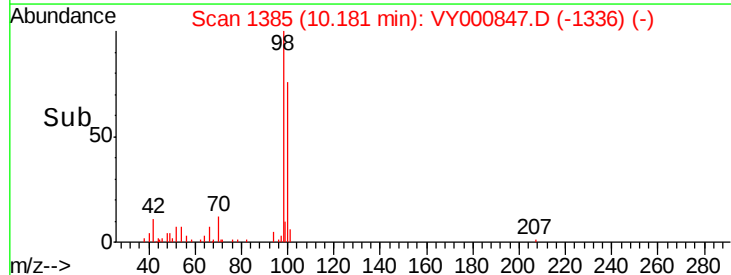
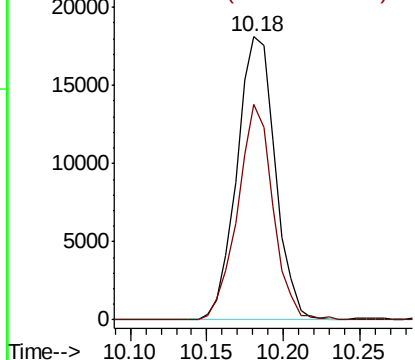


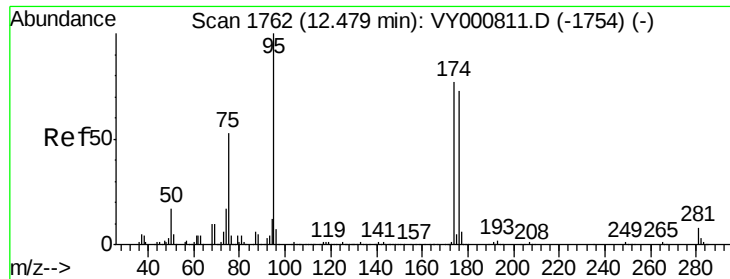
#50
Toluene-d8
Concen: 47.350 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VY000847.D
Acq: 03 Dec 2019 18:32

Tgt Ion: 98 Resp: 31436
Ion Ratio Lower Upper
98 100
100 70.5 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VY0
Ion 100.00 (99.70 to 100.70): VY0

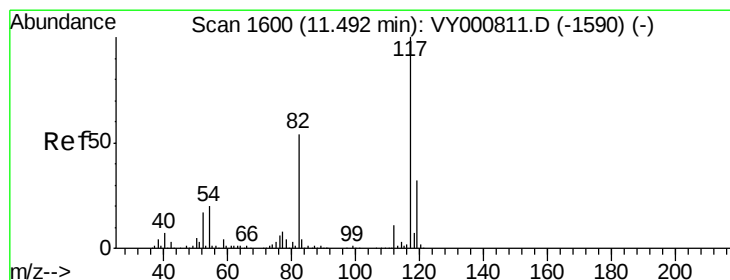
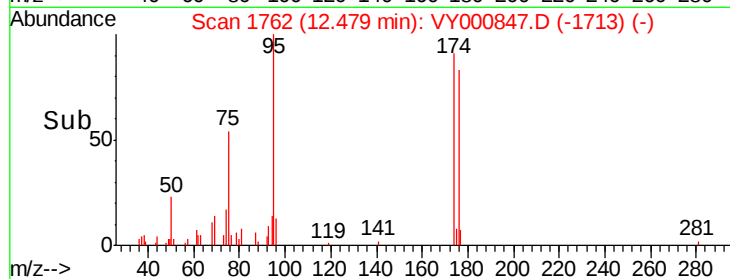
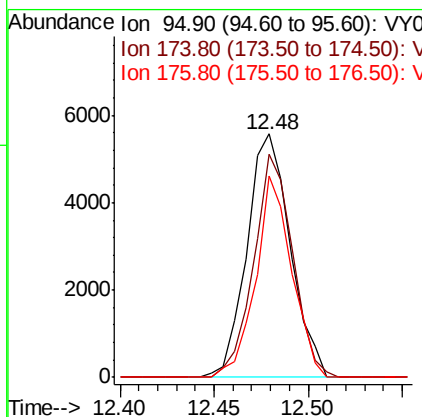
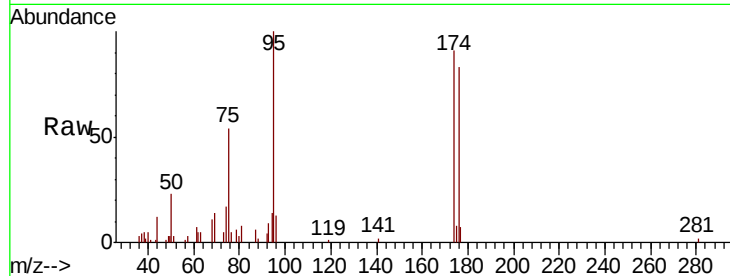




#62
4-Bromofluorobenzene
Concen: 35.583 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.00 min
Lab File: VY000847.D
Acq: 03 Dec 2019 18:32

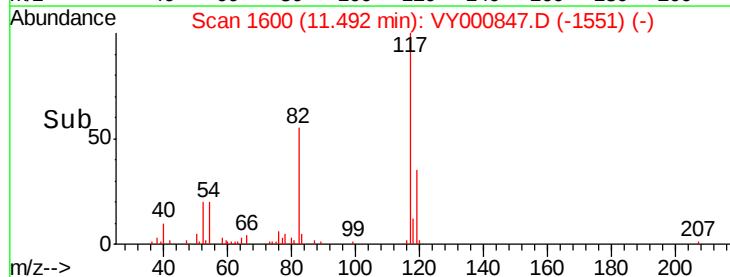
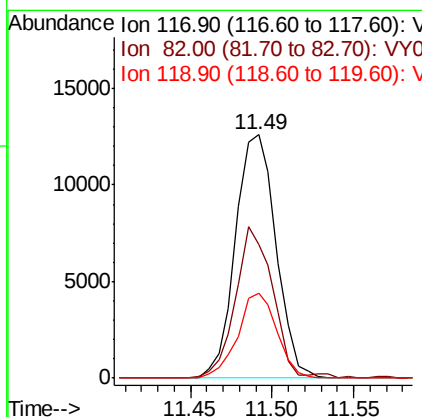
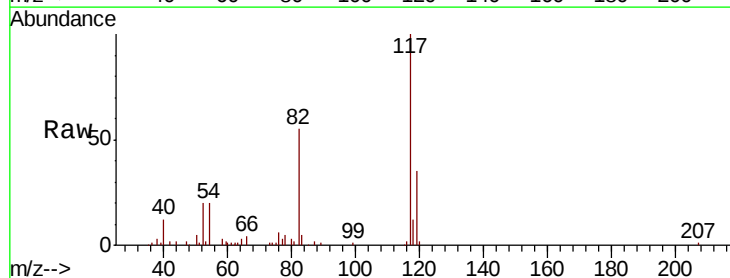
Instrument :
MSVOA_Y
ClientSampleId :

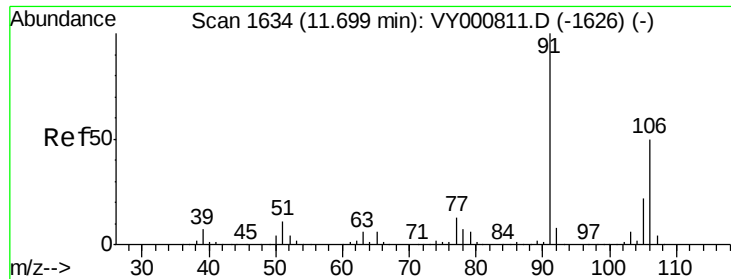
Tot Ion: 95 Resp: 8872
Ion Ratio Lower Upper
95 100
174 82.1 0.0 150.6
176 69.0 0.0 145.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY000847.D
Acq: 03 Dec 2019 18:32

Tgt Ion: 117 Resp: 21790
Ion Ratio Lower Upper
117 100
82 54.9 43.1 64.7
119 34.9 25.3 37.9

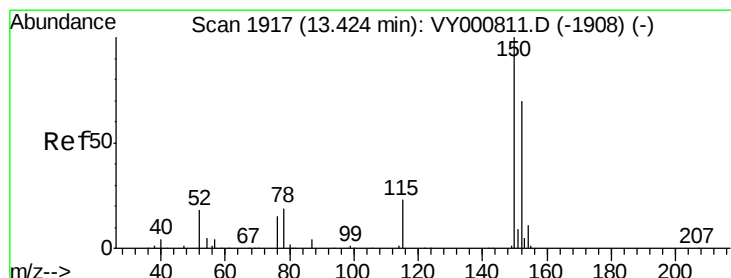
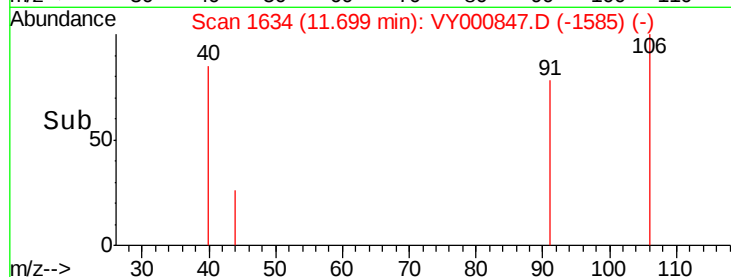
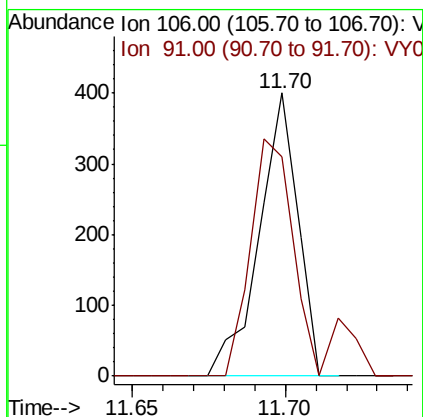
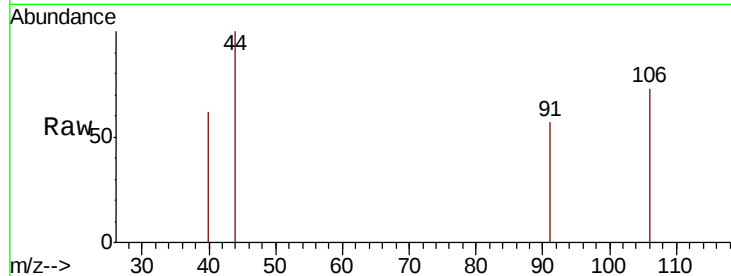




#68
m/p-Xvlenes
Concen: 1.112 ug/l
RT: 11.70 min Scan# 1634
Delta R.T. -0.00 min
Lab File: VY000847.D
Acq: 03 Dec 2019 18:32

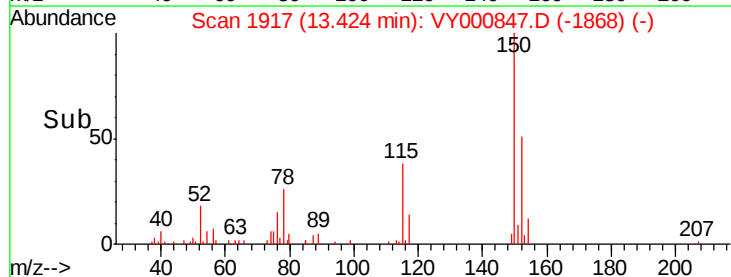
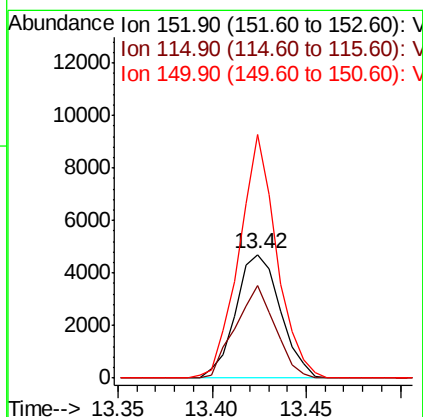
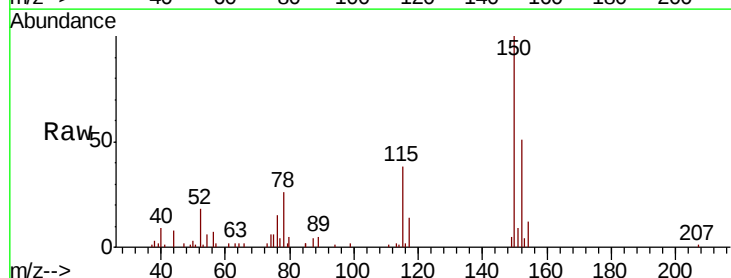
Instrument :
MSVOA_Y
ClientSampleId :

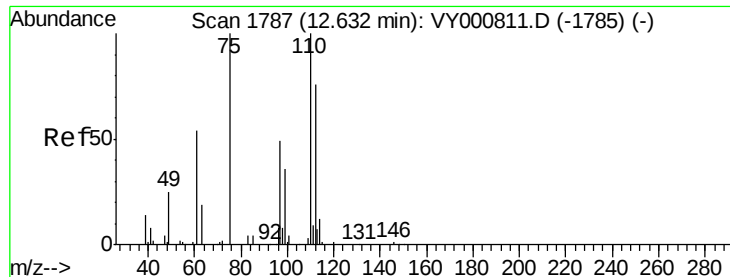
Tot Ion:106 Resp: 352
Ion Ratio Lower Upper
106 100
91 91.2 159.6 239.4#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY000847.D
Acq: 03 Dec 2019 18:32

Tgt Ion:152 Resp: 7748
Ion Ratio Lower Upper
152 100
115 66.2 29.3 87.8
150 165.4 0.0 351.2





#76

1,2,3-Trichloropropane

Concen: 54.885 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY000847.D

Acq: 03 Dec 2019 18:32

Instrument :

MSVOA_Y

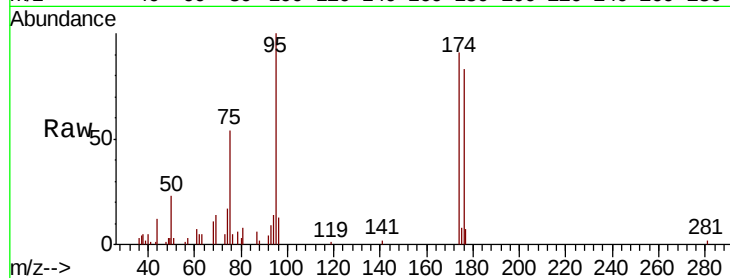
ClientSampleId :

Tot Ion: 75 Resp: 4818

Ion Ratio Lower Upper

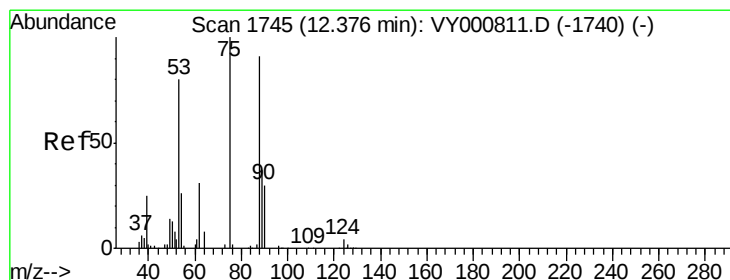
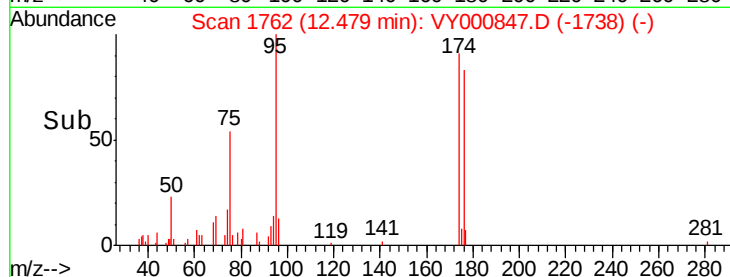
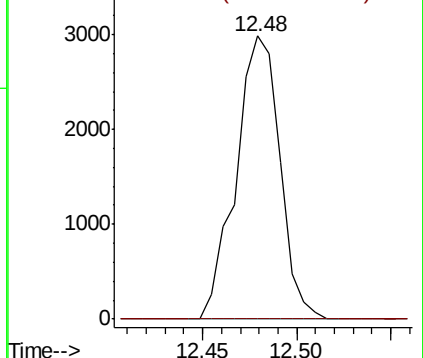
75 100

77 0.0 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: 107.809 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000847.D

Acq: 03 Dec 2019 18:32

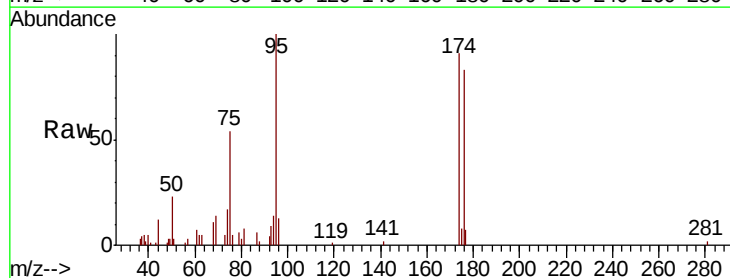
Tgt Ion: 75 Resp: 4818

Ion Ratio Lower Upper

75 100

53 0.0 64.6 96.8#

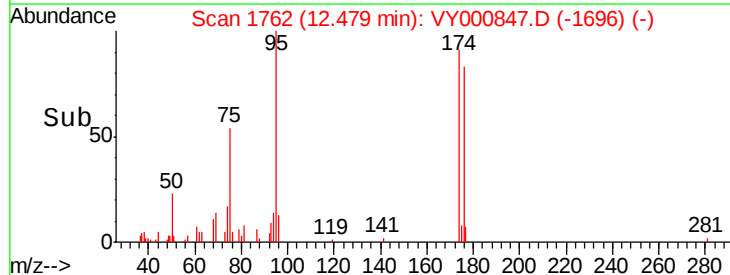
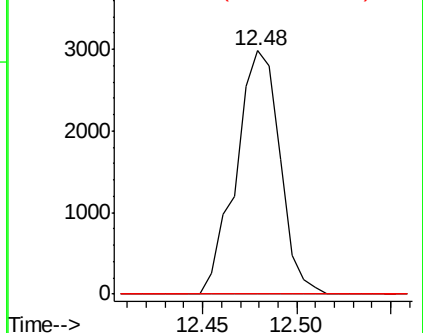
89 0.0 33.6 50.4#

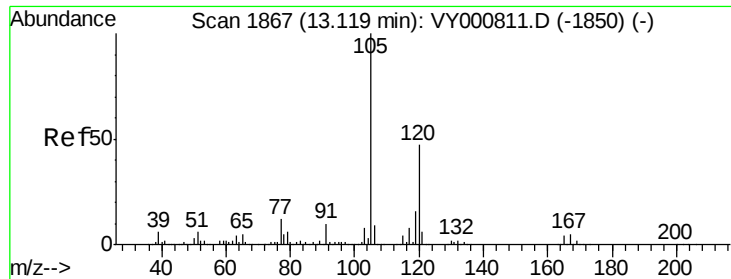


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0

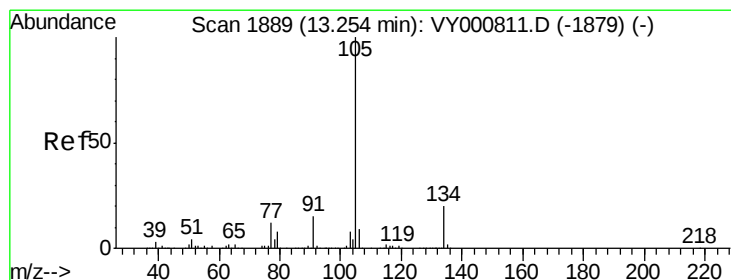
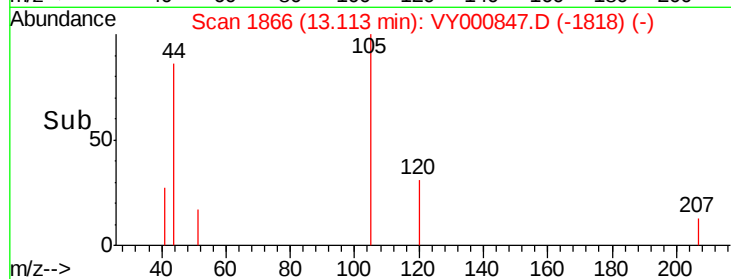
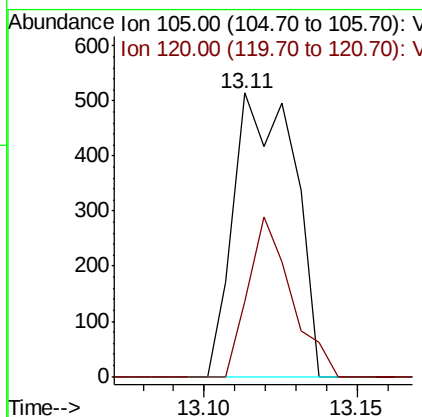
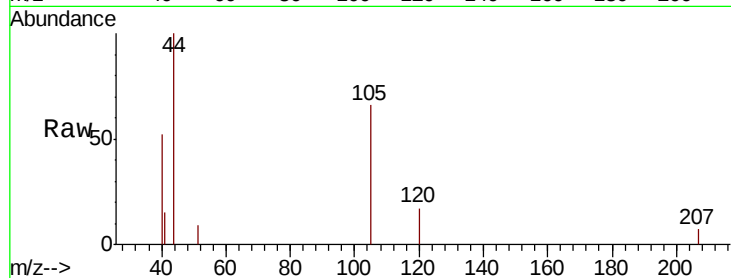




#84
 1,2,4-Trimethylbenzene
 Concen: 1.387 ug/l
 RT: 13.11 min Scan# 1866
 Delta R.T. -0.01 min
 Lab File: VY000847.D
 Acq: 03 Dec 2019 18:32

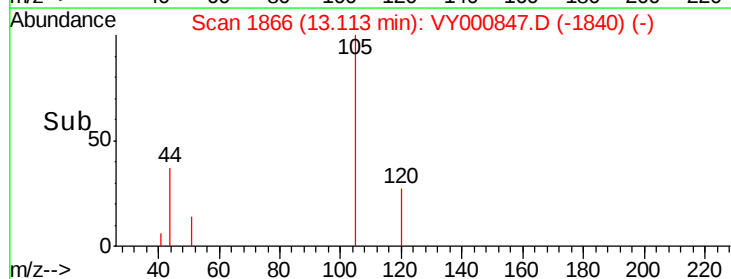
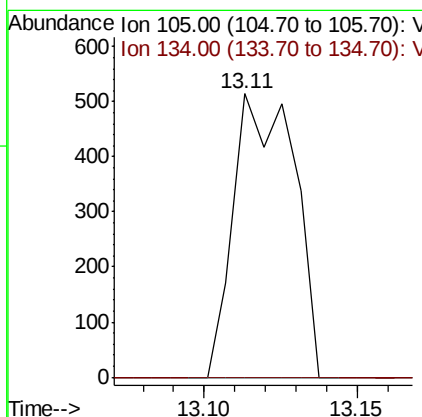
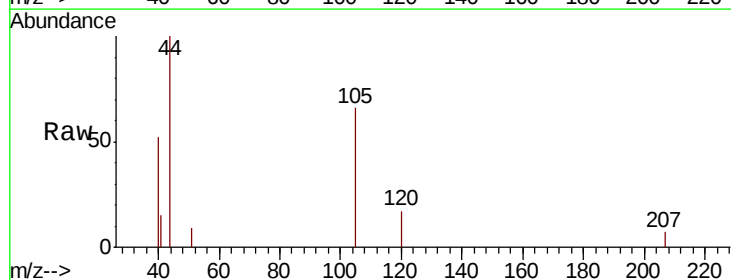
Instrument :
 MSVOA_Y
 ClientSampleId :

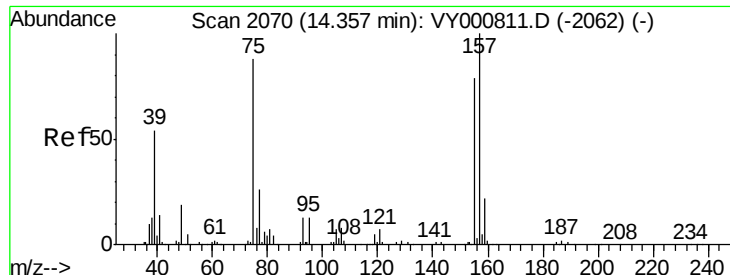
Tot Ion:105 Resp: 709
 Ion Ratio Lower Upper
 105 100
 120 40.2 22.6 67.8



#85
 sec-Butylbenzene
 Concen: 1.135 ug/l
 RT: 13.11 min Scan# 1866
 Delta R.T. -0.14 min
 Lab File: VY000847.D
 Acq: 03 Dec 2019 18:32

Tgt Ion:105 Resp: 709
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.1 30.1#





#92

1,2-Dibromo-3-Chloropropane

Concen: 3.194 ug/l

RT: 14.39 min Scan# 2075

Delta R.T. 0.03 min

Lab File: VY000847.D

Acq: 03 Dec 2019 18:32

Instrument :

MSVOA_Y

ClientSampleId :

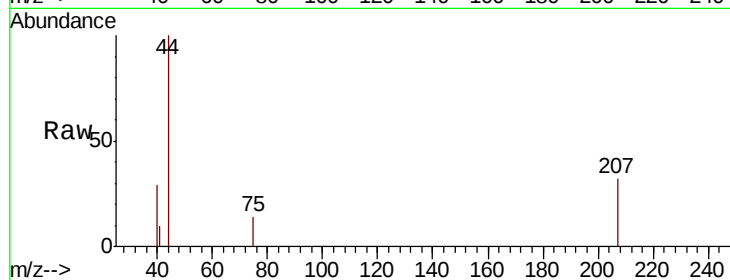
Tot Ion: 75 Resp: 65

Ion Ratio Lower Upper

75 100

155 0.0 44.3 132.9#

157 0.0 56.3 168.9#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

