

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY121819\
 Data File : VY001003.D
 Acq On : 18 Dec 2019 17:57
 Operator : SY/MD
 Sample : K6107-01
 Misc : 8.01G/5ML/MSVOA Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 19 04:43:48 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	189505	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	327451	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	252547	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	104993	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	70956	35.24	ug/l	0.00
Spiked Amount						
			Recovery	=	70.48%	
35) Dibromofluoromethane	7.73	113	82464	43.21	ug/l	0.00
Spiked Amount						
			Recovery	=	86.42%	
50) Toluene-d8	10.18	98	382065	50.08	ug/l	0.00
Spiked Amount						
			Recovery	=	100.16%	
62) 4-Bromofluorobenzene	12.48	95	101651	35.48	ug/l	0.00
Spiked Amount						
			Recovery	=	70.96%	

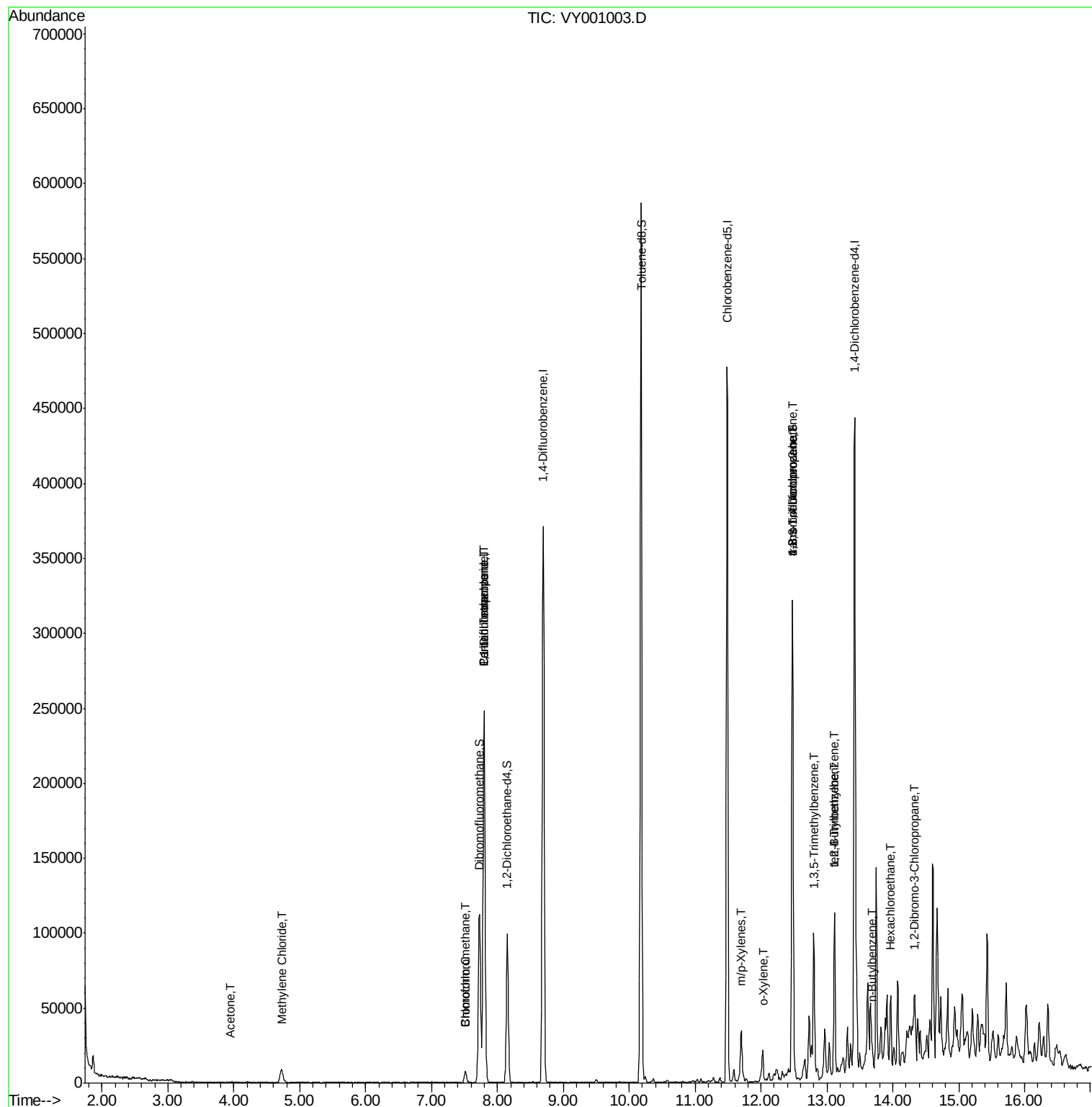
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.65	94	68	Below Cal	#	3
16) Acetone	3.95	43	816	1.77	ug/l #	40
20) Methylene Chloride	4.73	84	7002	2.88	ug/l #	84
28) Bromochloromethane	7.51	49	555	2.38	ug/l #	15
30) Chloroform	7.52	83	7346	1.81	ug/l #	75
36) 1,1-Dichloropropene	7.80	75	15664	4.81	ug/l #	50
38) Carbon Tetrachloride	7.80	117	18865	6.51	ug/l #	15
68) m/p-Xylenes	11.69	106	7741	2.11	ug/l	98
69) o-Xylene	12.02	106	5693	1.66	ug/l	85
76) 1,2,3-Trichloropropane	12.48	75	51666	43.43	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.81	105	13595	1.96	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.48	75	51666	85.31	ug/l #	18
83) tert-Butylbenzene	13.11	119	6495	1.12	ug/l #	53
84) 1,2,4-Trimethylbenzene	13.11	105	54964	7.94	ug/l	93
89) n-Butylbenzene	13.69	91	8015	1.08	ug/l #	82
90) Hexachloroethane	13.97	117	2089	1.54	ug/l #	16
92) 1,2-Dibromo-3-Chloropropan	14.33	75	338	1.23	ug/l #	5

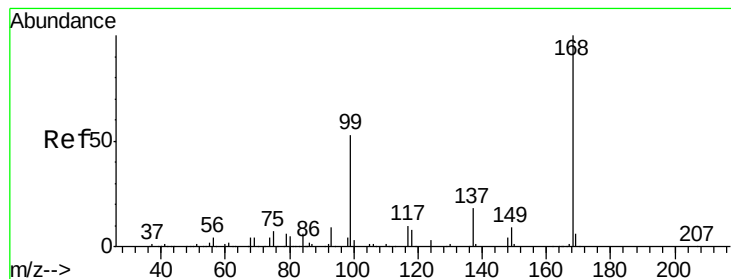
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY001003.D

Acq: 18 Dec 2019 17:57

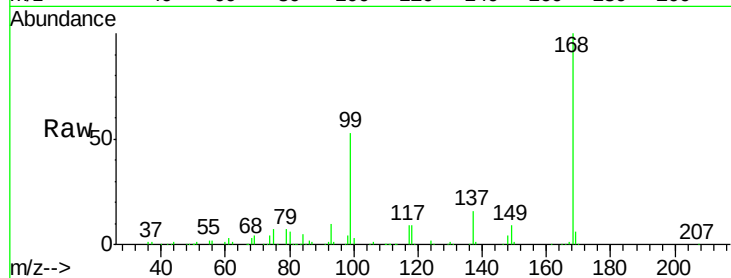
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 168 Resp: 189505

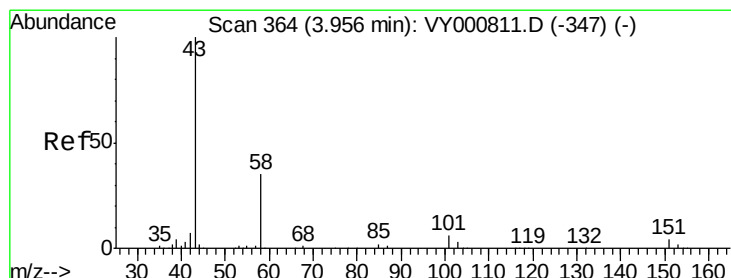
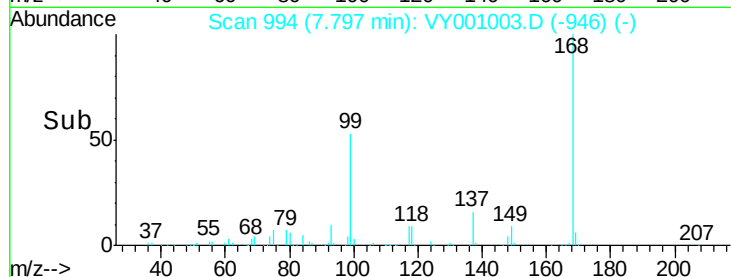
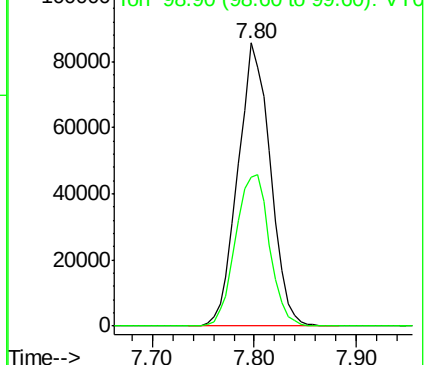
Ion Ratio Lower Upper

168 100

99 52.6 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): VY001003.D (-946) (-)



#16

Acetone

Concen: 1.77 ug/l

RT: 3.95 min Scan# 363

Delta R.T. -0.01 min

Lab File: VY001003.D

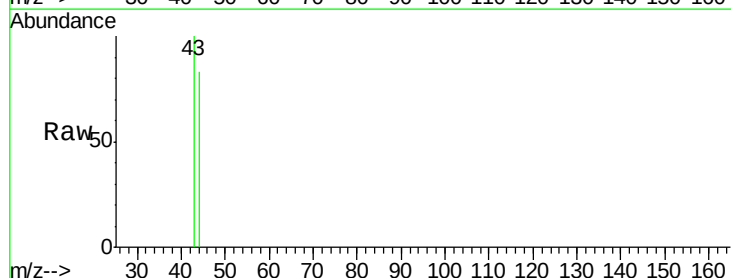
Acq: 18 Dec 2019 17:57

Tgt Ion: 43 Resp: 816

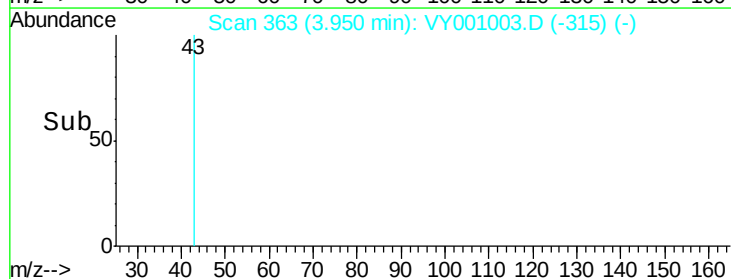
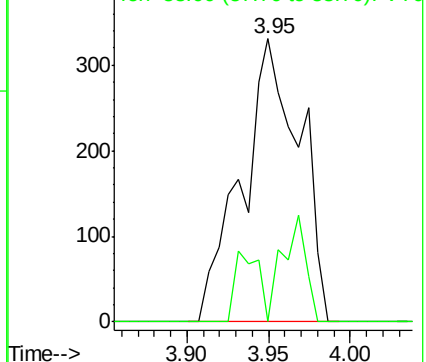
Ion Ratio Lower Upper

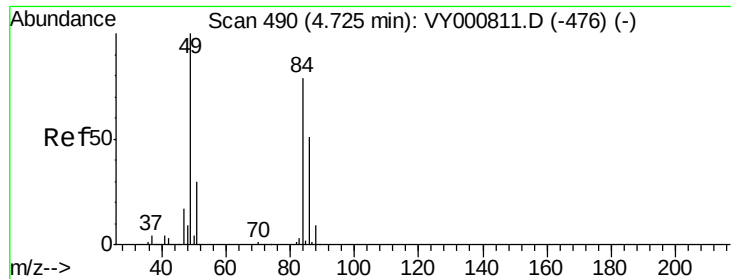
43 100

58 0.0 28.0 42.0#



Abundance Ion 43.00 (42.70 to 43.70): VY001003.D (-315) (-)

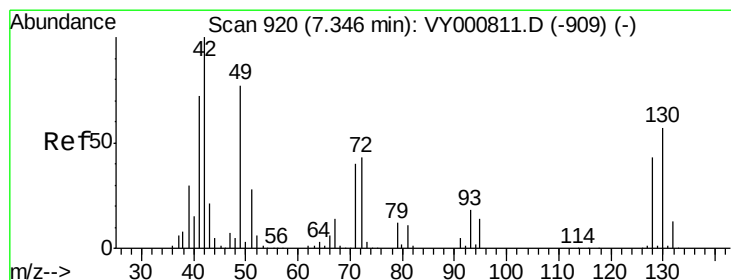
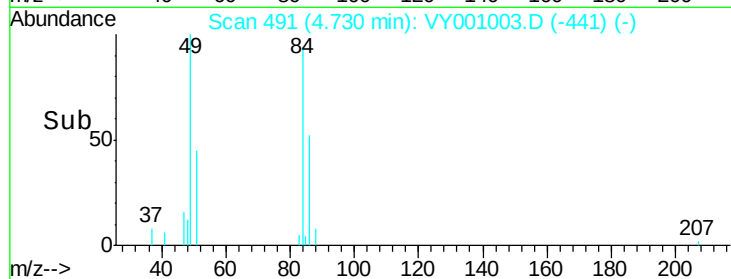
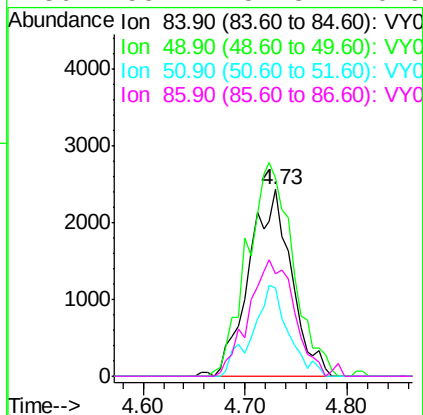
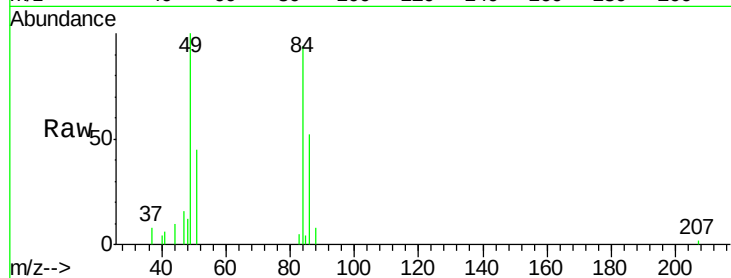




#20
Methylene Chloride
Concen: 2.88 ug/l
RT: 4.73 min Scan# 491
Delta R.T. 0.01 min
Lab File: VY001003.D
Acq: 18 Dec 2019 17:57

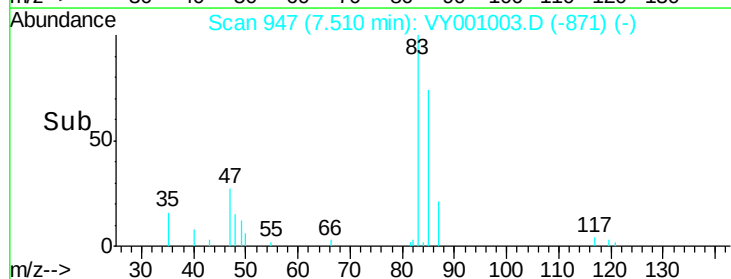
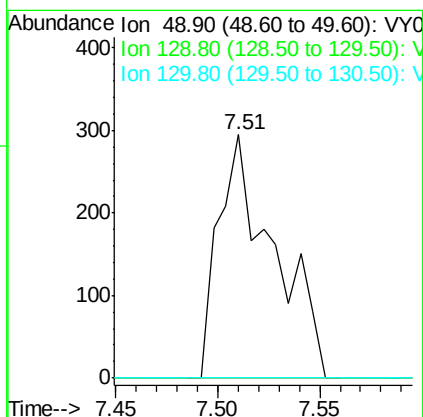
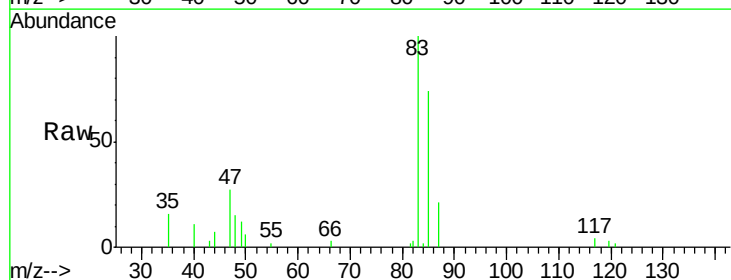
Instrument :
MSVOA_Y
ClientSampleId :

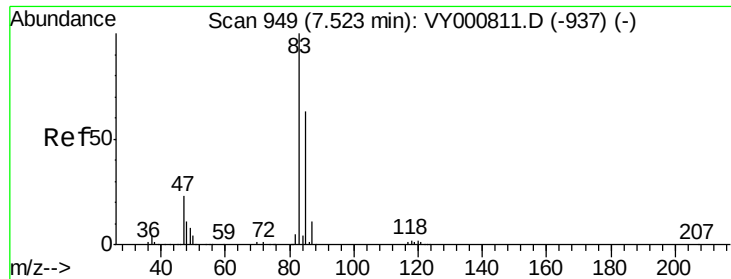
Tot Ion: 84 Resp: 7002
Ion Ratio Lower Upper
84 100
49 106.1 101.3 151.9
51 47.3 30.6 45.8#
86 55.2 51.3 76.9



#28
Bromochloromethane
Concen: 2.38 ug/l
RT: 7.51 min Scan# 947
Delta R.T. 0.16 min
Lab File: VY001003.D
Acq: 18 Dec 2019 17:57

Tgt Ion: 49 Resp: 555
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.8
130 0.0 58.7 88.1#

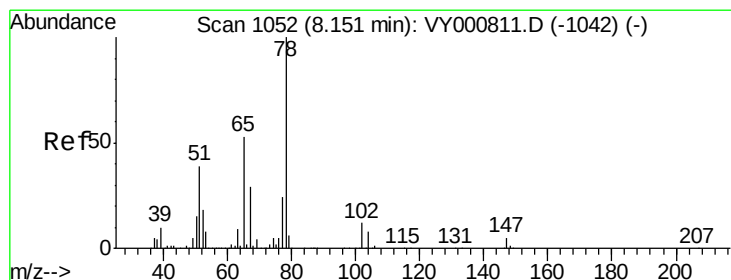
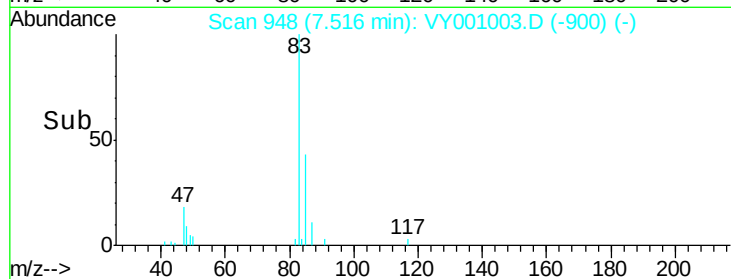
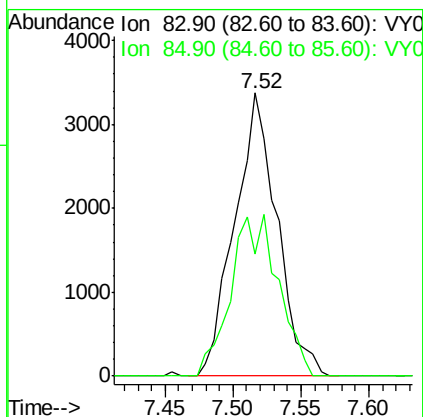
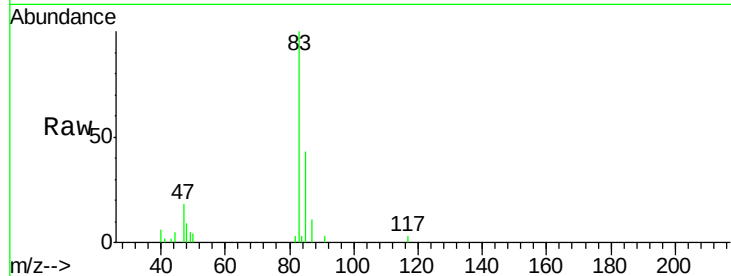




#30
Chloroform
Concen: 1.81 ug/l
RT: 7.52 min Scan# 948
Delta R.T. -0.01 min
Lab File: VY001003.D
Acq: 18 Dec 2019 17:57

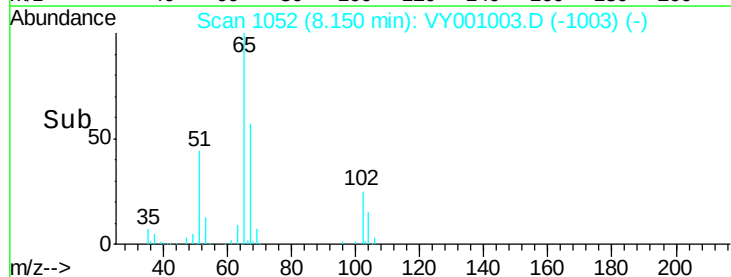
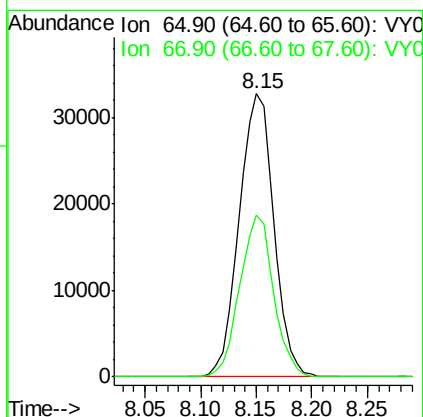
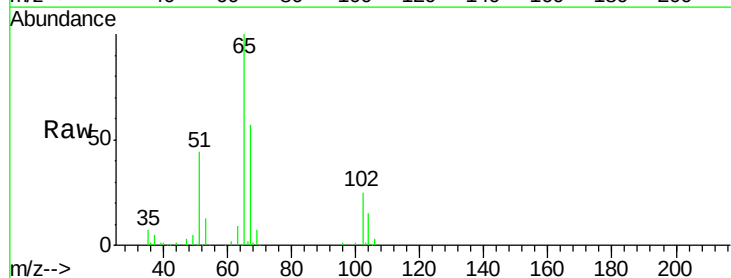
Instrument :
MSVOA_Y
ClientSampleId :

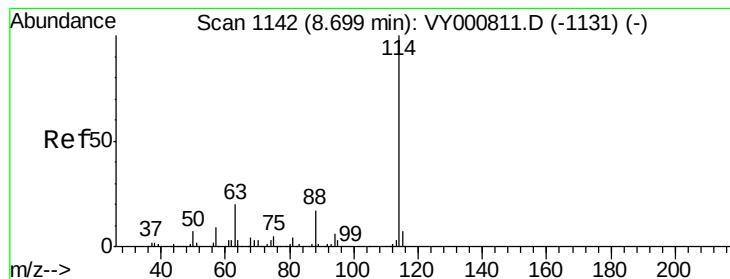
Tot Ion: 83 Resp: 7346
Ion Ratio Lower Upper
83 100
85 43.3 50.4 75.6#



#33
1,2-Dichloroethane-d4
Concen: 35.24 ug/l
RT: 8.15 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VY001003.D
Acq: 18 Dec 2019 17:57

Tgt Ion: 65 Resp: 70956
Ion Ratio Lower Upper
65 100
67 55.5 0.0 112.0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.69 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VY001003.D

Acq: 18 Dec 2019 17:57

Instrument :

MSVOA_Y

ClientSampleId :

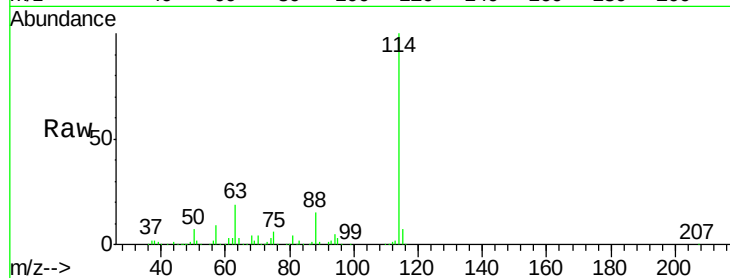
Tot Ion:114 Resp: 327451

Ion Ratio Lower Upper

114 100

63 18.7 0.0 39.8

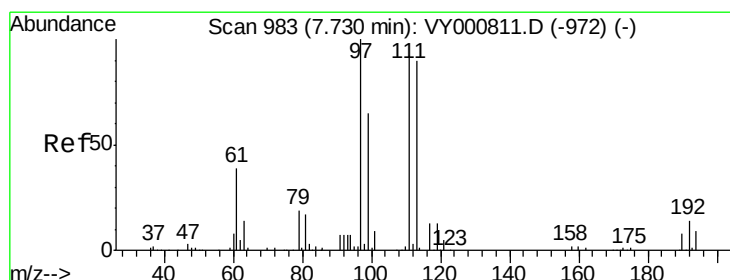
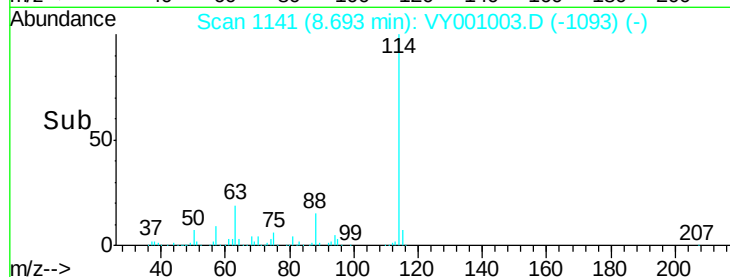
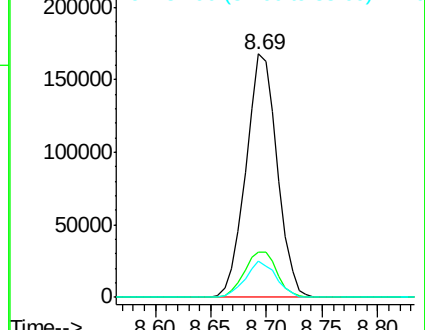
88 14.8 0.0 33.2



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: 43.21 ug/l

RT: 7.73 min Scan# 983

Delta R.T. -0.00 min

Lab File: VY001003.D

Acq: 18 Dec 2019 17:57

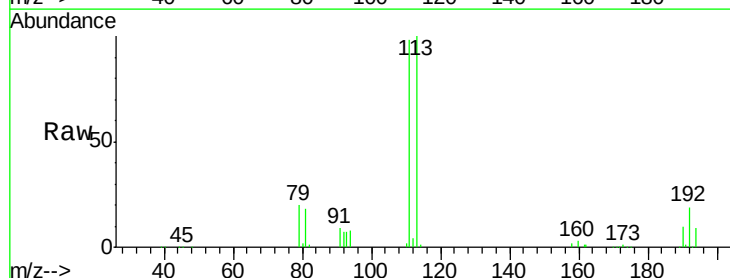
Tgt Ion:113 Resp: 82464

Ion Ratio Lower Upper

113 100

111 102.8 82.4 123.6

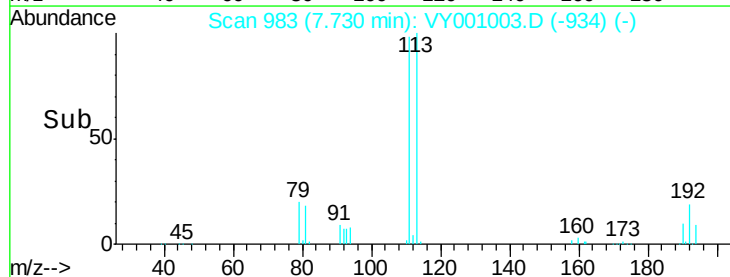
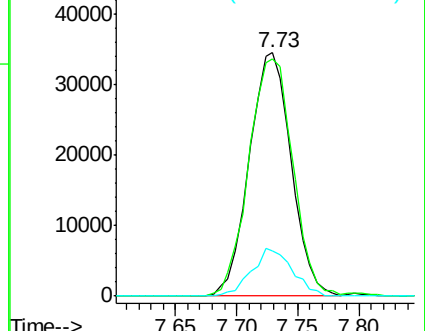
192 19.1 14.2 21.2

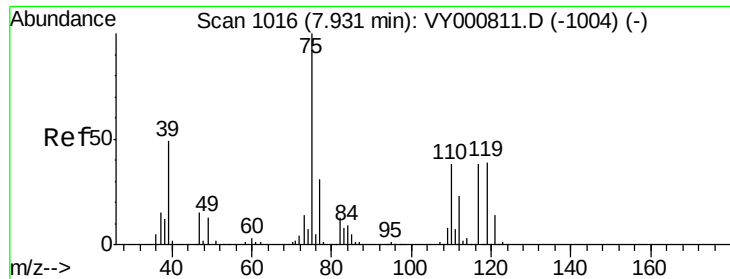


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

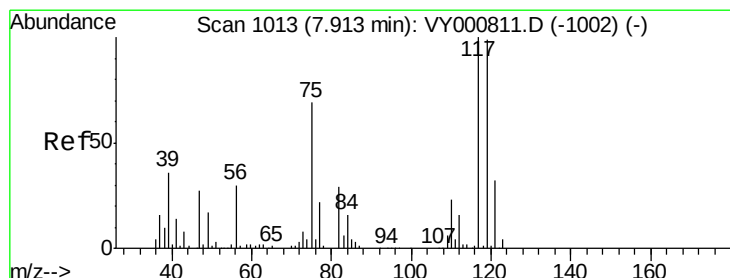
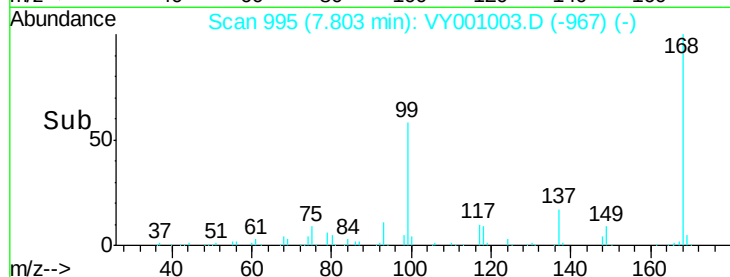
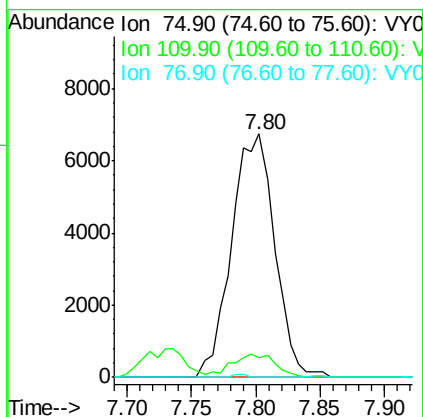
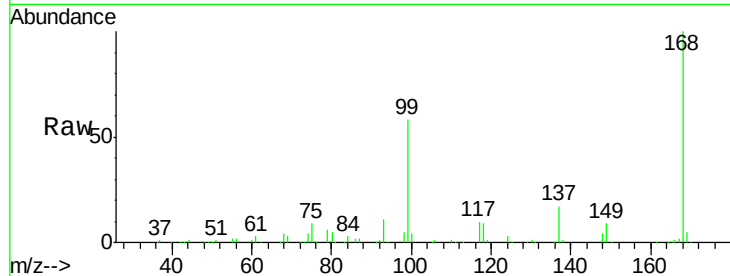




#36
 1,1-Dichloropropene
 Concen: 4.81 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.13 min
 Lab File: VY001003.D
 Acq: 18 Dec 2019 17:57

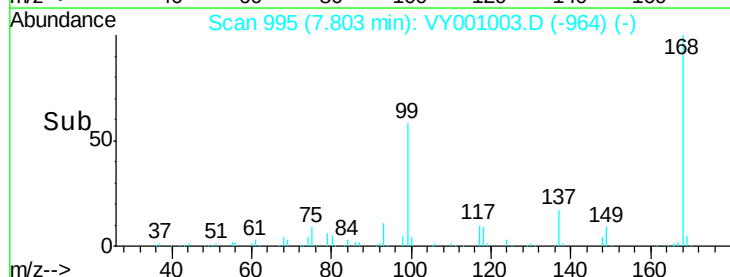
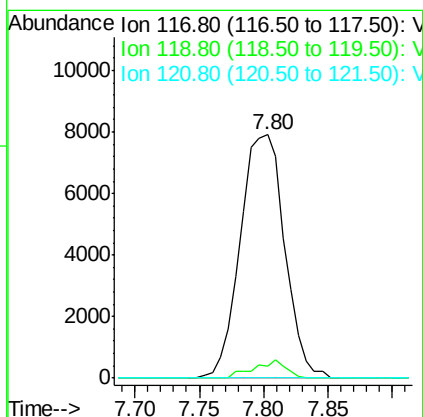
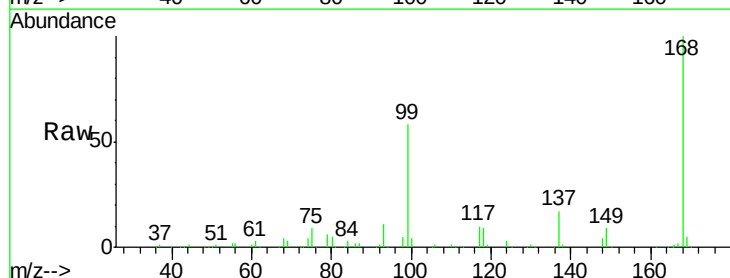
Instrument :
 MSVOA_Y
 ClientSampleId :

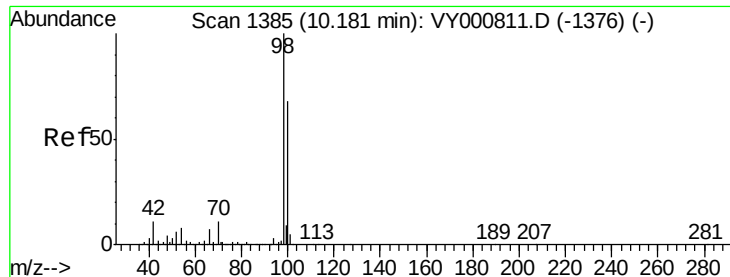
Tot Ion	75	Resp	15664
Ion Ratio	Lower	Upper	
75	100		
110	9.6	17.9	53.7#
77	0.4	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 6.51 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.11 min
 Lab File: VY001003.D
 Acq: 18 Dec 2019 17:57

Tgt Ion	117	Resp	18865
Ion Ratio	Lower	Upper	
117	100		
119	5.0	79.3	118.9#
121	0.0	25.5	38.3#





#50

Toluene-d8

Concen: 50.08 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY001003.D

Acq: 18 Dec 2019 17:57

Instrument :

MSVOA_Y

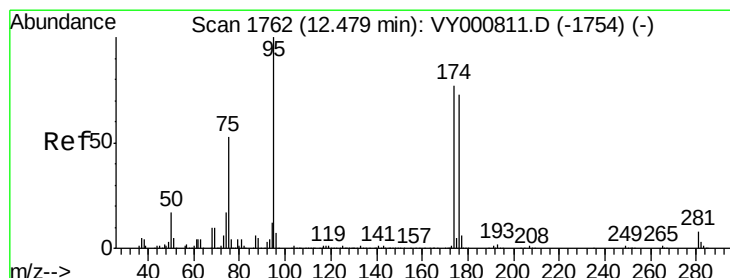
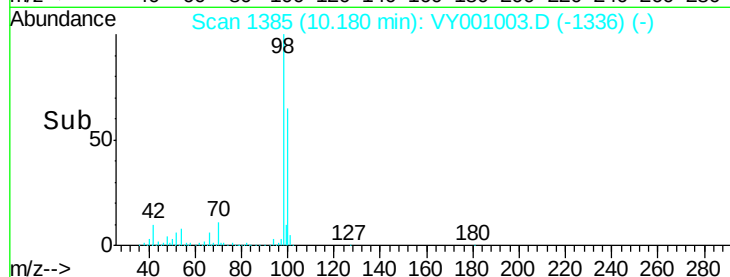
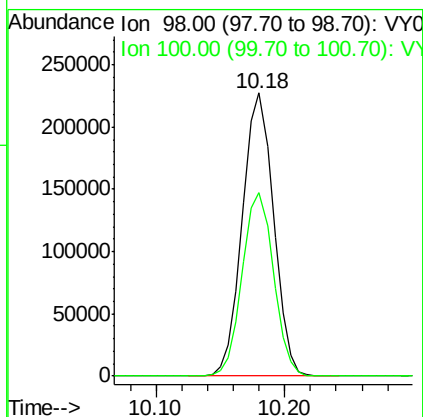
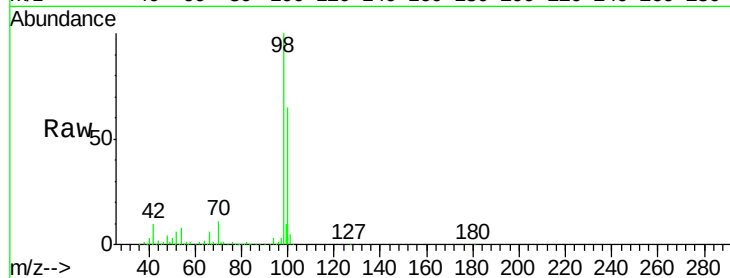
ClientSampled :

Tot Ion: 98 Resp: 382065

Ion Ratio Lower Upper

98 100

100 65.0 53.1 79.7



#62

4-Bromofluorobenzene

Concen: 35.48 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY001003.D

Acq: 18 Dec 2019 17:57

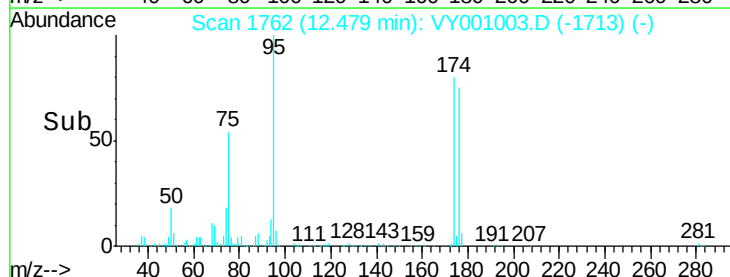
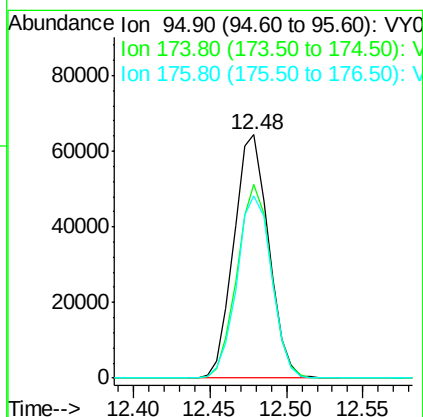
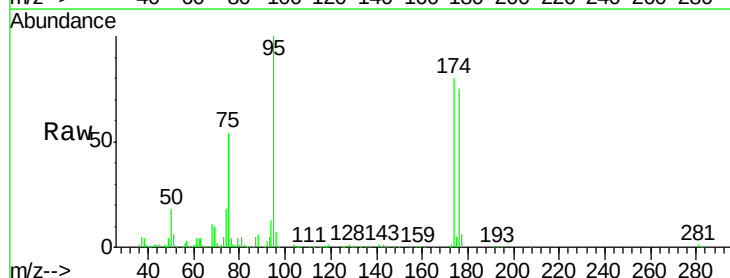
Tgt Ion: 95 Resp: 101651

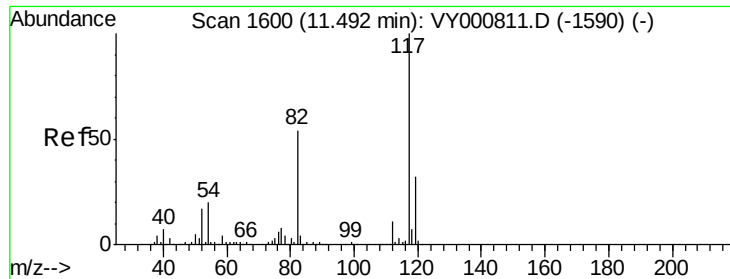
Ion Ratio Lower Upper

95 100

174 77.8 0.0 150.6

176 75.1 0.0 145.2

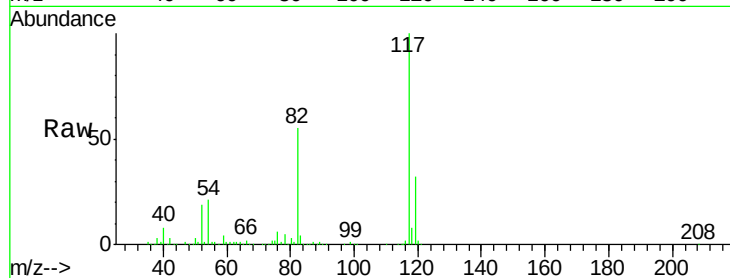




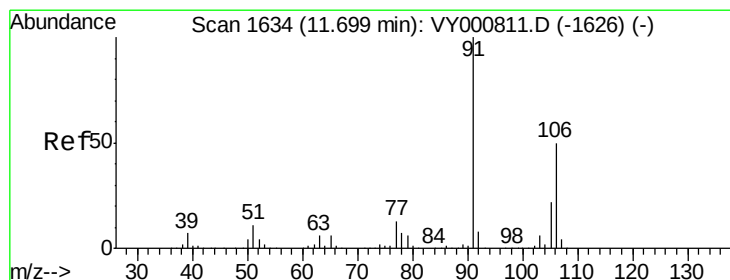
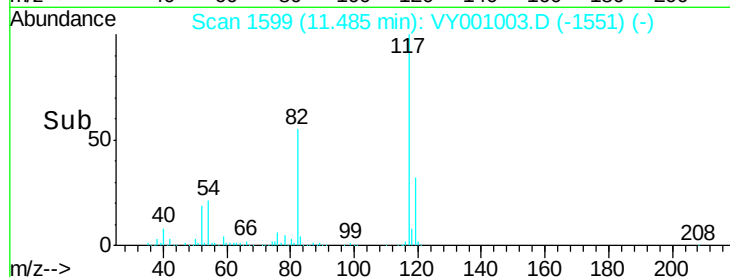
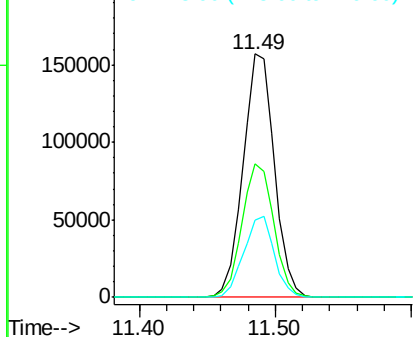
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.49 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VY001003.D
Acq: 18 Dec 2019 17:57

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:117 Resp: 252547
Ion Ratio Lower Upper
117 100
82 54.8 43.1 64.7
119 31.6 25.3 37.9

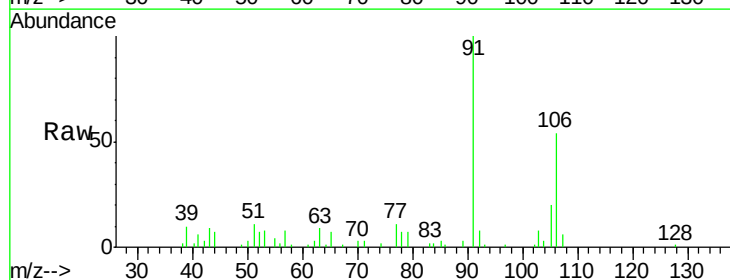


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

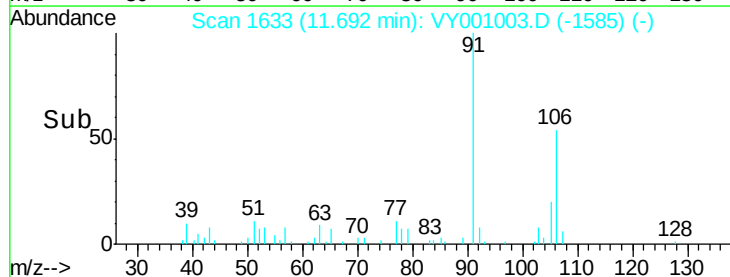
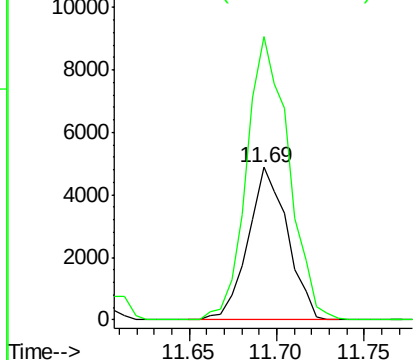


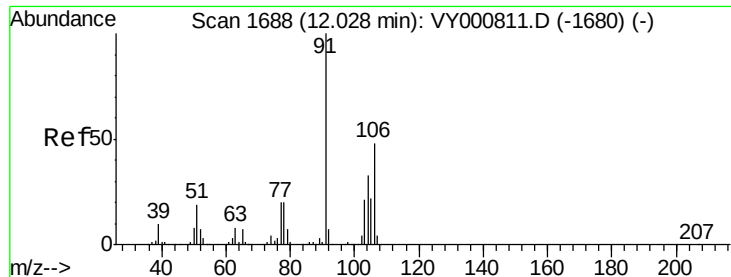
#68
m/p-Xylenes
Concen: 2.11 ug/l
RT: 11.69 min Scan# 1633
Delta R.T. -0.01 min
Lab File: VY001003.D
Acq: 18 Dec 2019 17:57

Tgt Ion:106 Resp: 7741
Ion Ratio Lower Upper
106 100
91 197.0 159.6 239.4



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VY0

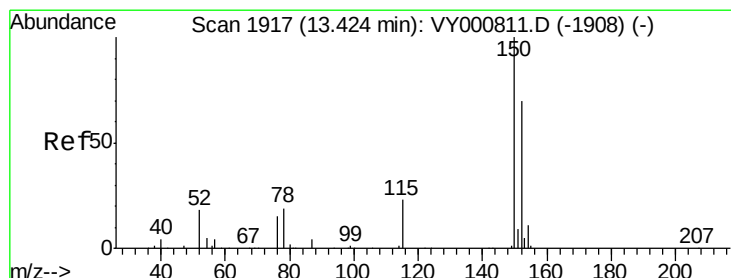
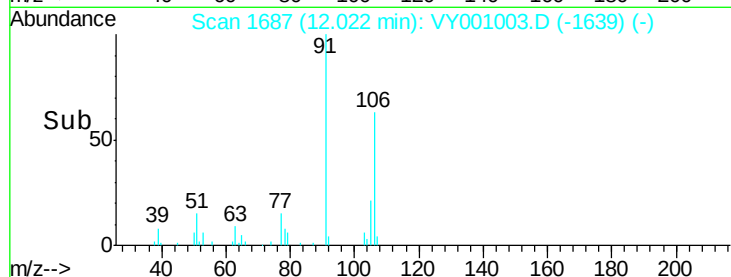
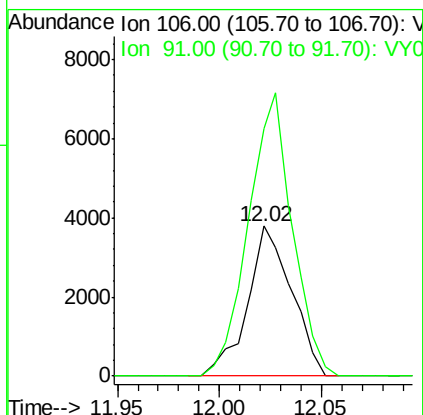
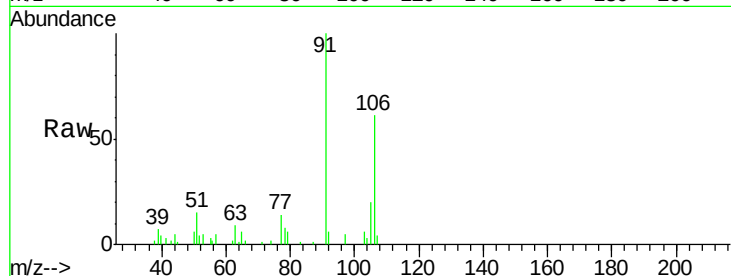




#69
o-Xylene
Concen: 1.66 ug/l
RT: 12.02 min Scan# 1687
Delta R.T. -0.01 min
Lab File: VY001003.D
Acq: 18 Dec 2019 17:57

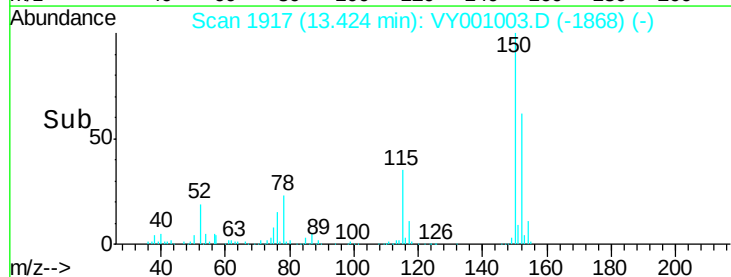
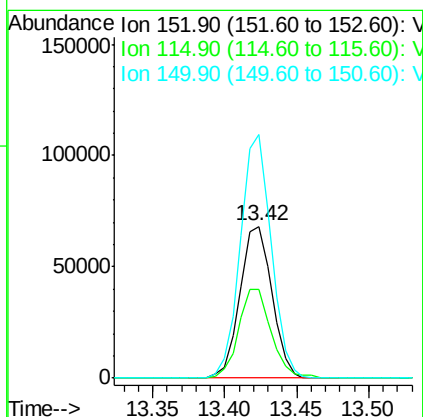
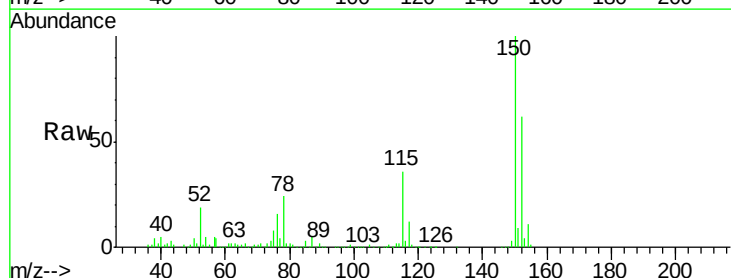
Instrument :
MSVOA_Y
ClientSampleId :

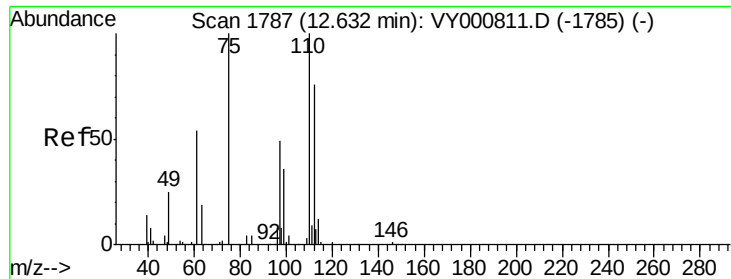
Tot Ion:106 Resp: 5693
Ion Ratio Lower Upper
106 100
91 188.0 106.1 318.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY001003.D
Acq: 18 Dec 2019 17:57

Tgt Ion:152 Resp: 104993
Ion Ratio Lower Upper
152 100
115 60.2 29.3 87.8
150 155.1 0.0 351.2





#76

1,2,3-Trichloropropane

Concen: 43.43 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY001003.D

Acq: 18 Dec 2019 17:57

Instrument :

MSVOA_Y

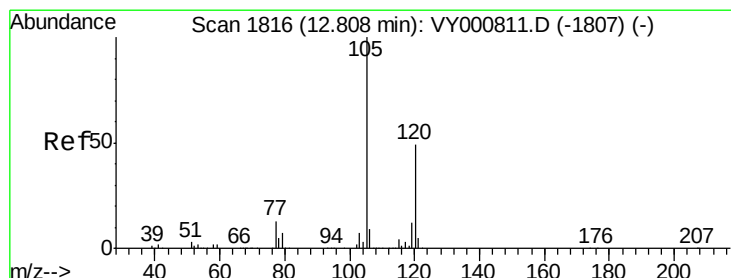
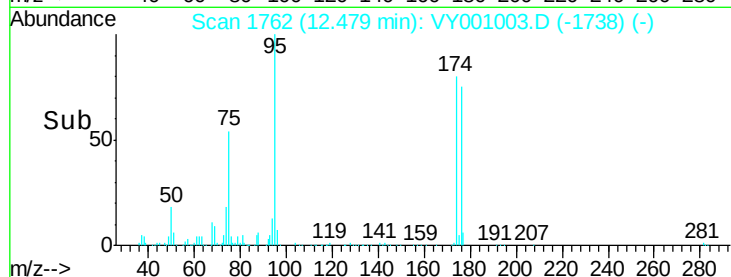
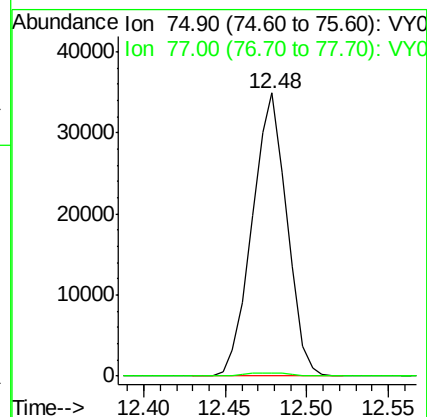
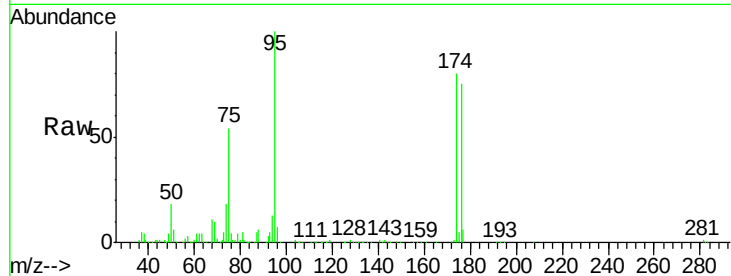
ClientSampleId :

Tot Ion: 75 Resp: 51666

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#



#80

1,3,5-Trimethylbenzene

Concen: 1.96 ug/l

RT: 12.81 min Scan# 1816

Delta R.T. -0.00 min

Lab File: VY001003.D

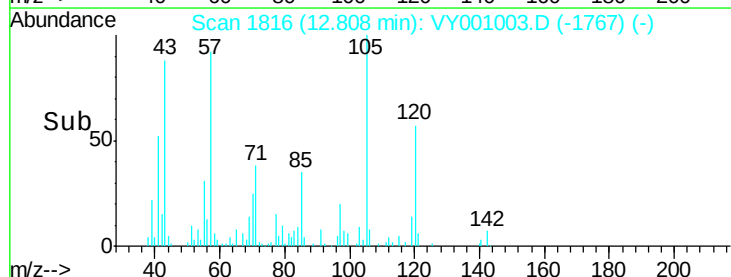
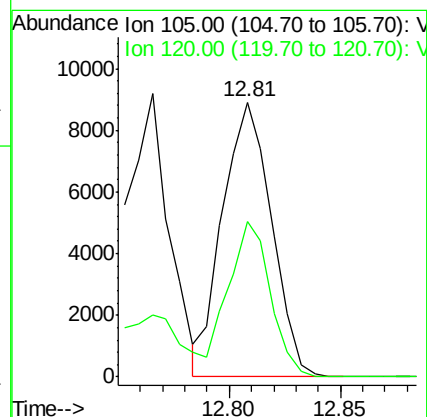
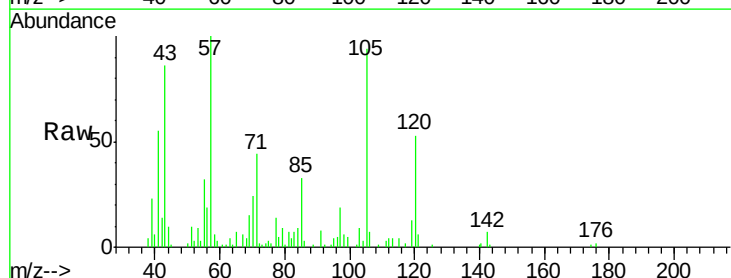
Acq: 18 Dec 2019 17:57

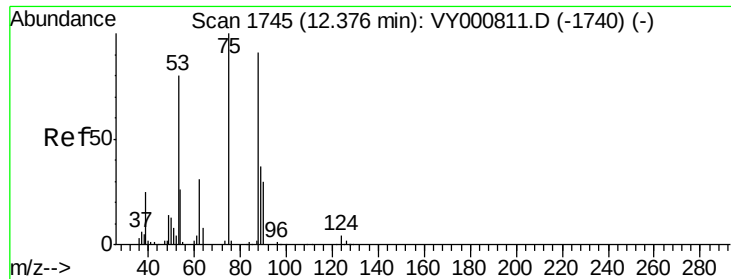
Tgt Ion: 105 Resp: 13595

Ion Ratio Lower Upper

105 100

120 48.4 24.6 74.0

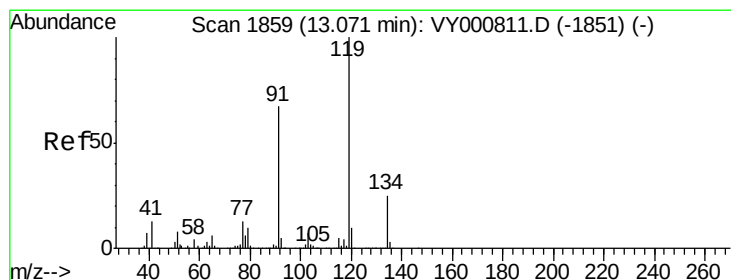
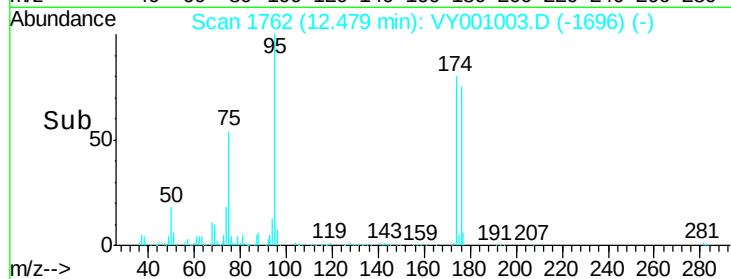
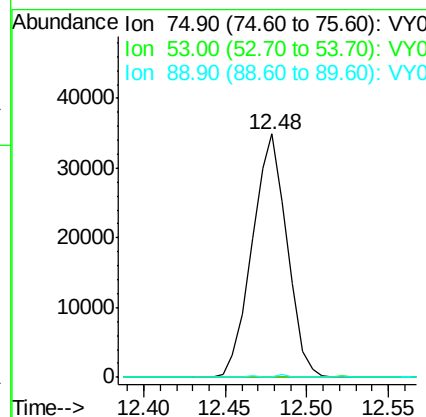
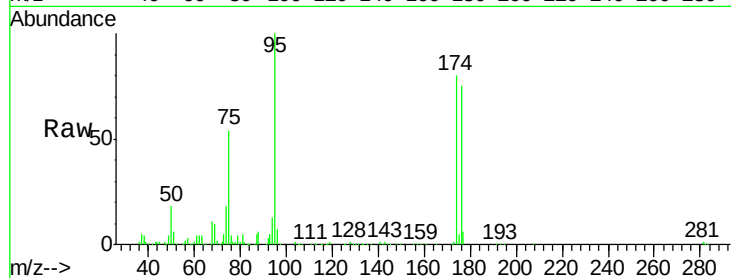




#81
trans-1,4-Dichloro-2-butene
Concen: 85.31 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. 0.10 min
Lab File: VY001003.D
Acq: 18 Dec 2019 17:57

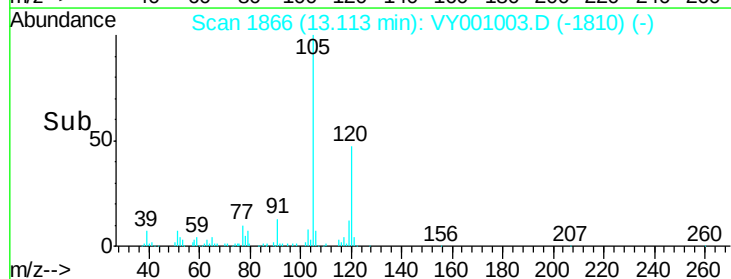
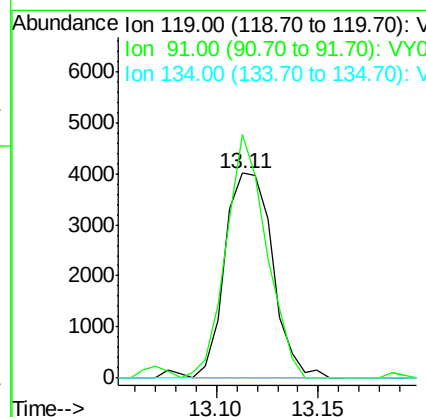
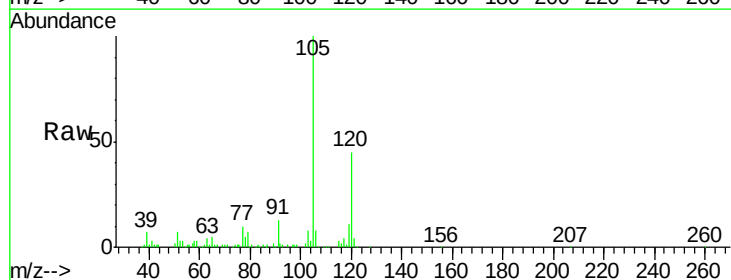
Instrument :
MSVOA_Y
ClientSampleId :

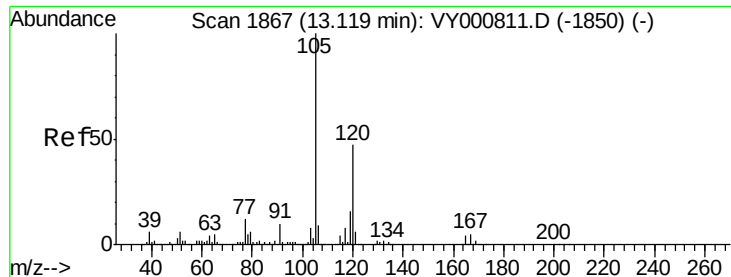
Tot Ion	Ratio	Lower	Upper
75	100		
53	0.0	64.6	96.8#
89	0.3	33.6	50.4#



#83
tert-Butylbenzene
Concen: 1.12 ug/l
RT: 13.11 min Scan# 1866
Delta R.T. 0.04 min
Lab File: VY001003.D
Acq: 18 Dec 2019 17:57

Tgt Ion	Ratio	Lower	Upper
119	100		
91	100.5	32.3	96.8#
134	0.0	12.9	38.7#

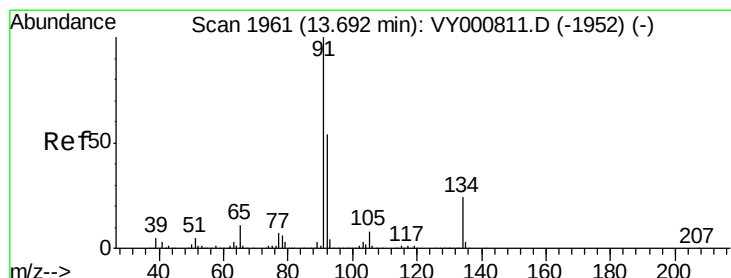
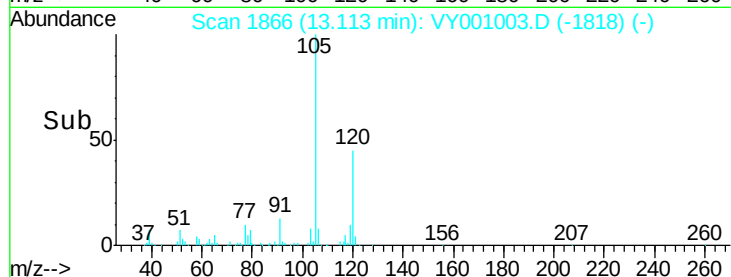
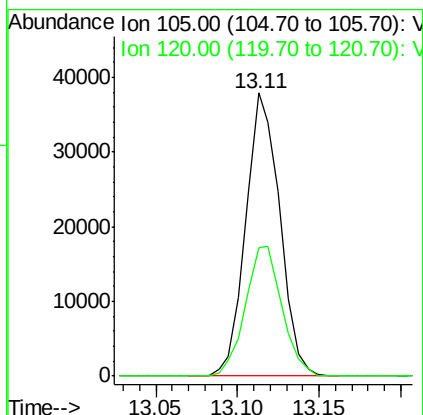
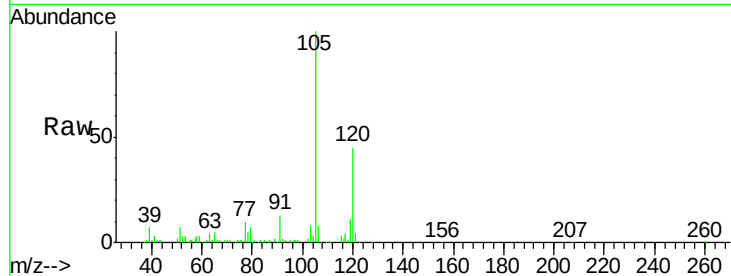




#84
 1,2,4-Trimethylbenzene
 Concen: 7.94 ug/l
 RT: 13.11 min Scan# 1866
 Delta R.T. -0.01 min
 Lab File: VY001003.D
 Acq: 18 Dec 2019 17:57

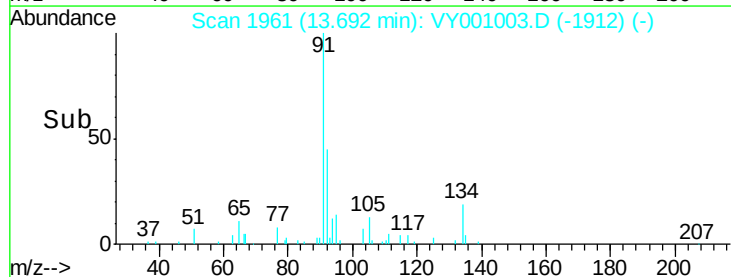
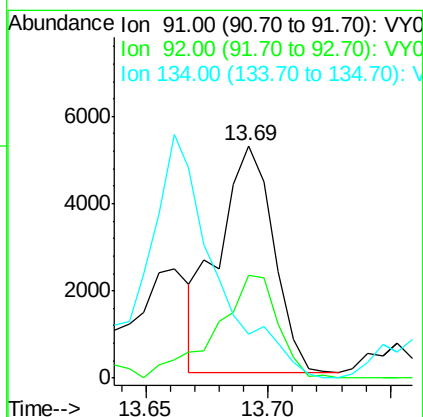
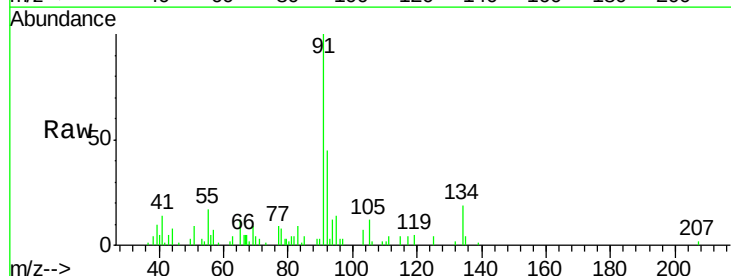
Instrument :
 MSVOA_Y
 ClientSampled :

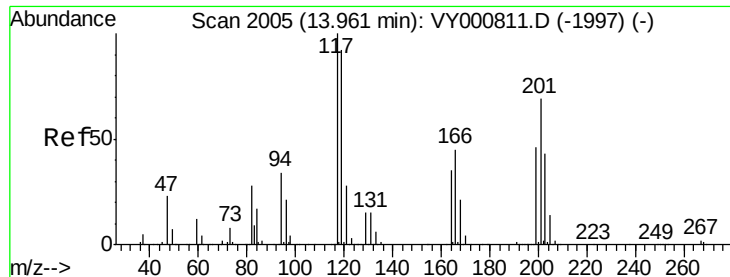
Tot Ion:105 Resp: 54964
 Ion Ratio Lower Upper
 105 100
 120 49.6 22.6 67.8



#89
 n-Butylbenzene
 Concen: 1.08 ug/l
 RT: 13.69 min Scan# 1961
 Delta R.T. -0.00 min
 Lab File: VY001003.D
 Acq: 18 Dec 2019 17:57

Tgt Ion: 91 Resp: 8015
 Ion Ratio Lower Upper
 91 100
 92 51.6 26.9 80.7
 134 0.0 12.6 37.6#





#90

Hexachloroethane

Concen: 1.54 ug/l

RT: 13.97 min Scan# 2006

Delta R.T. 0.01 min

Lab File: VY001003.D

Acq: 18 Dec 2019 17:57

Instrument :

MSVOA_Y

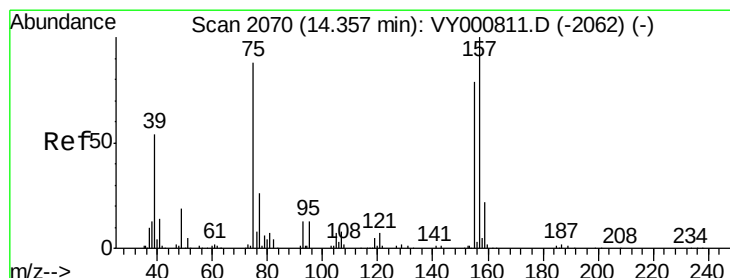
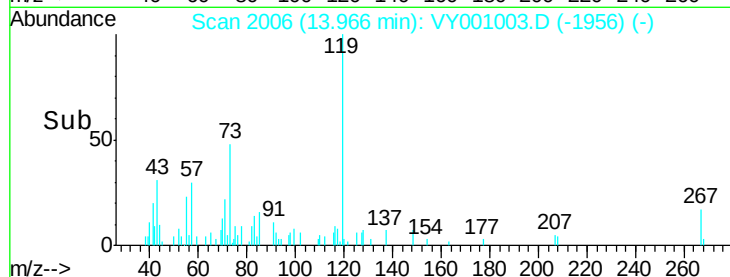
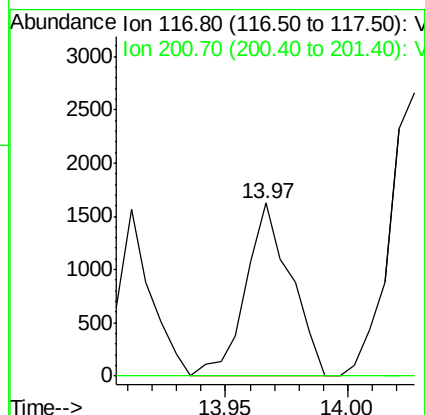
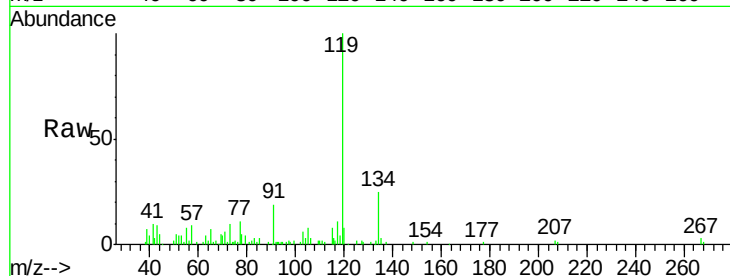
ClientSampled :

Tot Ion:117 Resp: 2089

Ion Ratio Lower Upper

117 100

201 0.0 34.0 102.0#



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.23 ug/l

RT: 14.33 min Scan# 2066

Delta R.T. -0.02 min

Lab File: VY001003.D

Acq: 18 Dec 2019 17:57

Tgt Ion: 75 Resp: 338

Ion Ratio Lower Upper

75 100

155 10.9 44.3 132.9#

157 0.0 56.3 168.9#

