

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY120919\
 Data File : VY000911.D
 Acq On : 09 Dec 2019 13:15
 Operator : SY/MD
 Sample : K6118-01
 Misc : 12.32G/5ML/MSVOA Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 10 06:24:22 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	269842	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	492420	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	431674	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	181363	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	142813	49.81	ug/l	0.00
Spiked Amount			Recovery	=	99.62%	
35) Dibromofluoromethane	7.73	113	136538	47.58	ug/l	0.00
Spiked Amount			Recovery	=	95.16%	
50) Toluene-d8	10.18	98	581813	50.71	ug/l	0.00
Spiked Amount			Recovery	=	101.42%	
62) 4-Bromofluorobenzene	12.47	95	188490	43.74	ug/l	0.00
Spiked Amount			Recovery	=	87.48%	

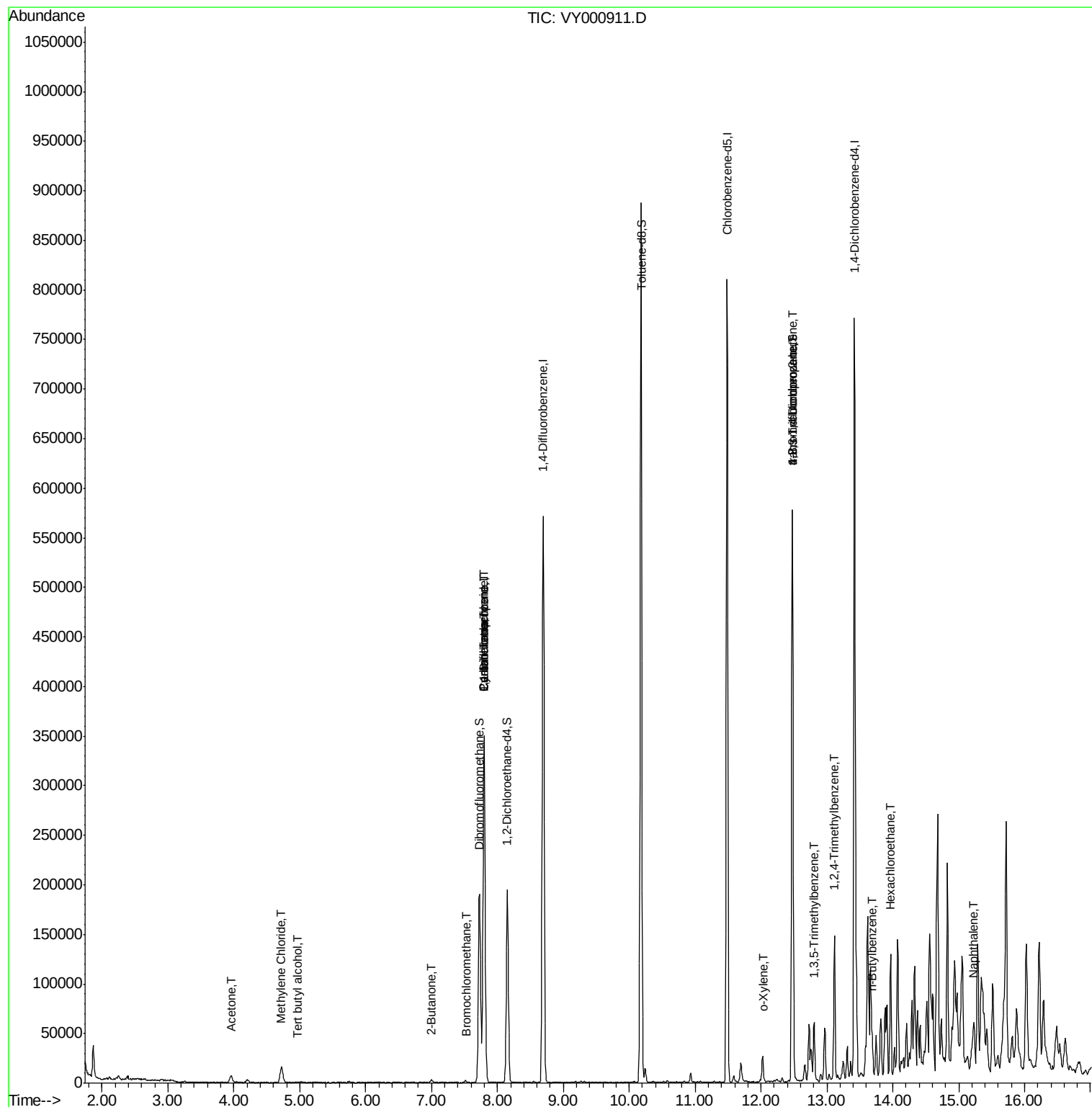
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.63	94	90	Below Cal	#	3
11) Tert butyl alcohol	4.97	59	399	1.383	ug/l #	74
16) Acetone	3.96	43	12166	18.496	ug/l #	75
20) Methylene Chloride	4.71	84	10889	3.141	ug/l #	81
25) 2-Butanone	7.00	43	2656	2.186	ug/l #	79
28) Bromochloromethane	7.53	49	49	2.038	ug/l #	15
31) Cyclohexane	7.80	56	6217	1.021	ug/l #	2
36) 1,1-Dichloropropene	7.80	75	22270	4.548	ug/l #	47
38) Carbon Tetrachloride	7.80	117	27628	6.336	ug/l #	13
69) o-Xylene	12.03	106	6739	1.152	ug/l	98
76) 1,2,3-Trichloropropane	12.47	75	92981	45.250	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.81	105	24811	2.075	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.47	75	92981	88.884	ug/l #	18
84) 1,2,4-Trimethylbenzene	13.11	105	77125	6.447	ug/l	98
89) n-Butylbenzene	13.69	91	18202	1.416	ug/l #	78
90) Hexachloroethane	13.97	117	5005	2.137	ug/l #	16
95) Naphthalene	15.23	128	22446	2.586	ug/l #	88

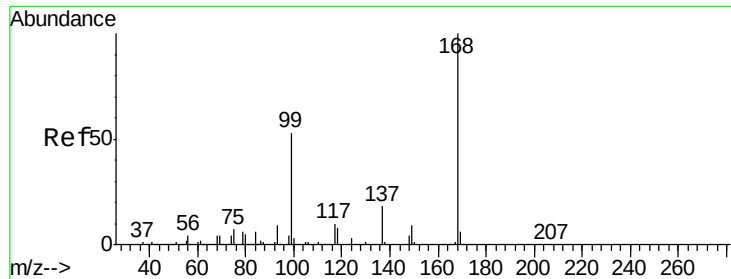
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Nov 27 12:40:47 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.00 min

Lab File: VY000911.D

Acq: 09 Dec 2019 13:15

Instrument :

MSVOA_Y

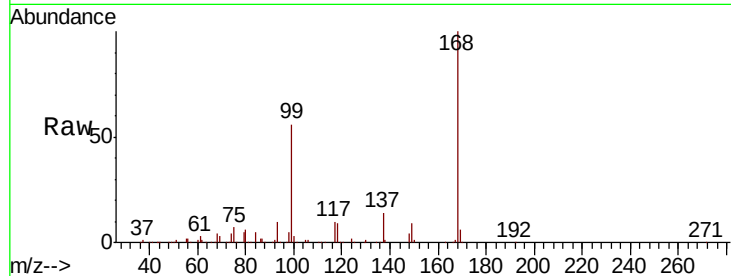
ClientSampleId :

Tot Ion:168 Resp: 269842

Ion Ratio Lower Upper

168 100

99 56.0 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): VY000911.D (-946) (-)

Ion 98.90 (98.60 to 99.60): VY000911.D (-946) (-)

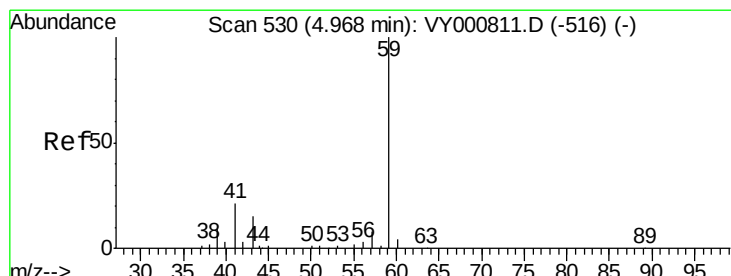
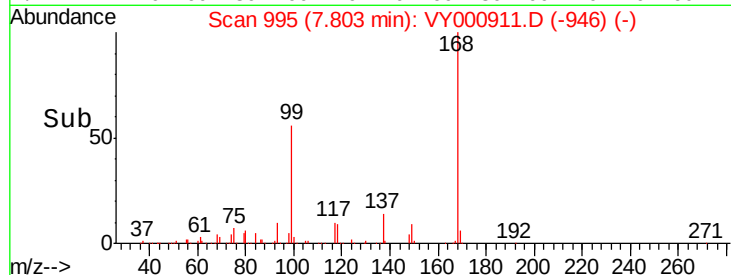
7.80

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 1.383 ug/l

RT: 4.97 min Scan# 531

Delta R.T. 0.01 min

Lab File: VY000911.D

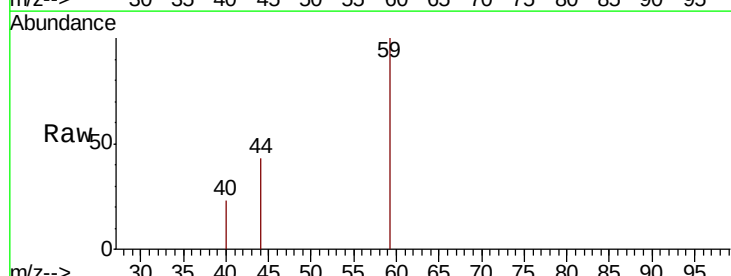
Acq: 09 Dec 2019 13:15

Tgt Ion: 59 Resp: 399

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VY000911.D (-481) (-)

Ion 57.00 (56.70 to 57.70): VY000911.D (-481) (-)

4.97

500

400

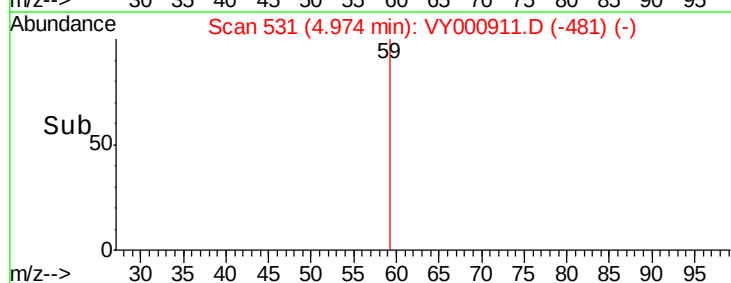
300

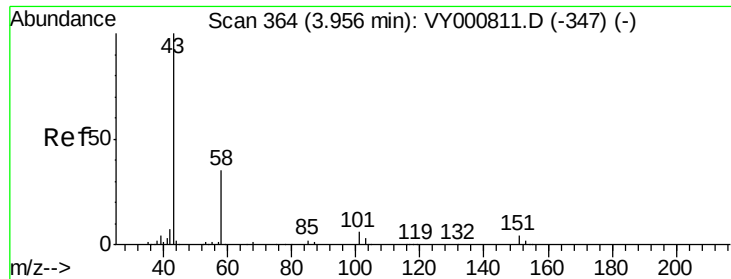
200

100

0

Time-->





#16

Acetone

Concen: 18.496 ug/l

RT: 3.96 min Scan# 364

Delta R.T. -0.00 min

Lab File: VY000911.D

Acq: 09 Dec 2019 13:15

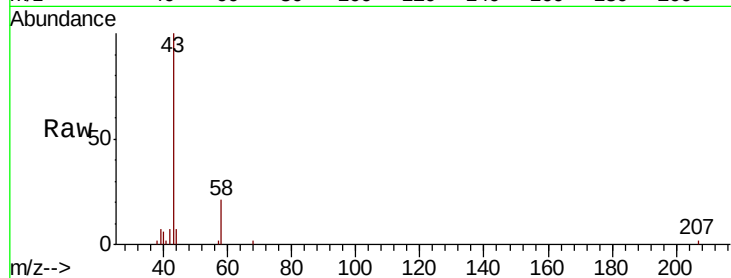
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 43 Resp: 12166

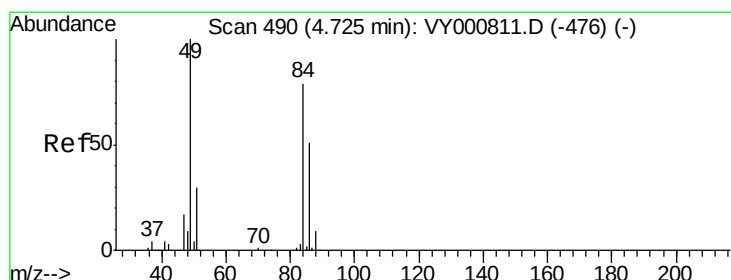
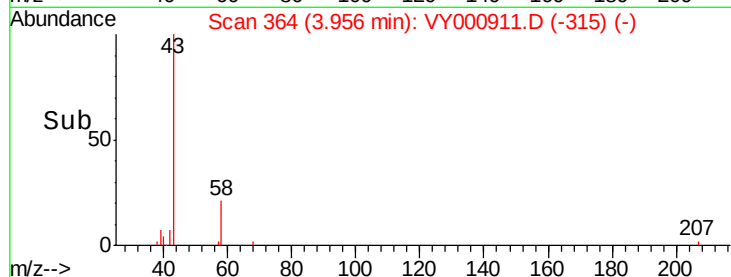
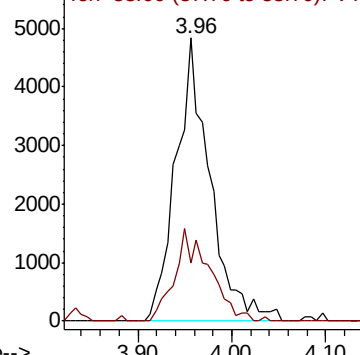
Ion Ratio Lower Upper

43 100

58 20.7 28.0 42.0#



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



#20

Methylene Chloride

Concen: 3.141 ug/l

RT: 4.71 min Scan# 488

Delta R.T. -0.01 min

Lab File: VY000911.D

Acq: 09 Dec 2019 13:15

Tgt Ion: 84 Resp: 10889

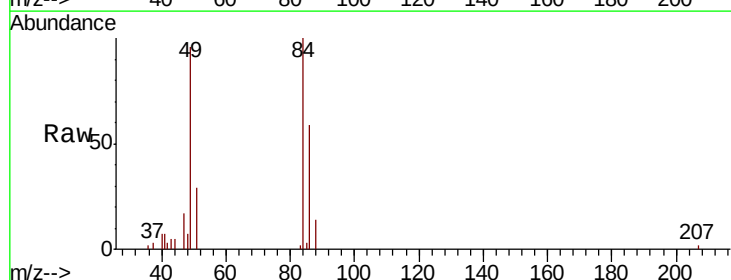
Ion Ratio Lower Upper

84 100

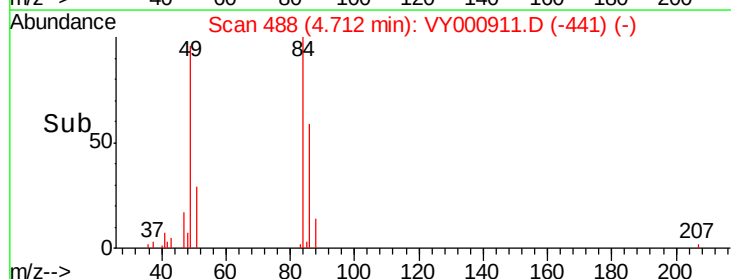
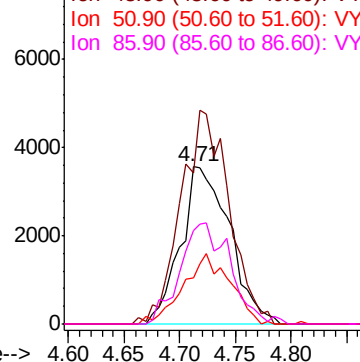
49 96.1 101.3 151.9#

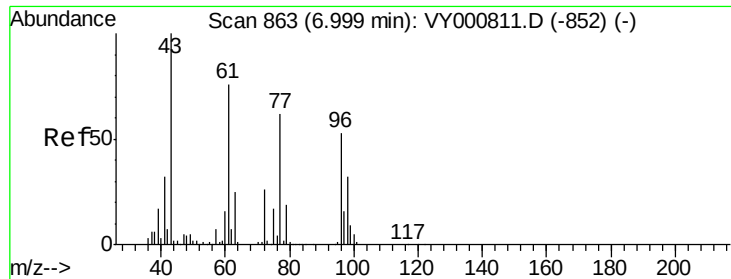
51 29.2 30.6 45.8#

86 59.3 51.3 76.9



Abundance Ion 83.90 (83.60 to 84.60): VY0
Ion 48.90 (48.60 to 49.60): VY0
Ion 50.90 (50.60 to 51.60): VY0
Ion 85.90 (85.60 to 86.60): VY0





#25

2-Butanone

Concen: 2.186 ug/l

RT: 7.00 min Scan# 863

Delta R.T. -0.00 min

Lab File: VY000911.D

Acq: 09 Dec 2019 13:15

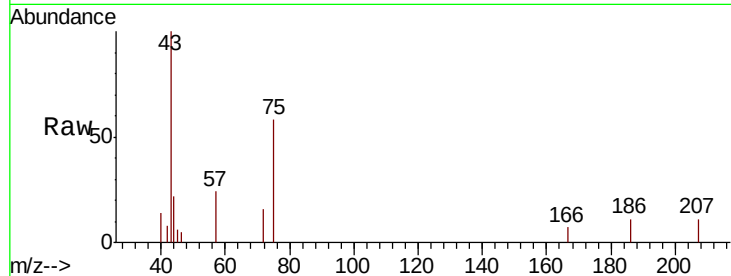
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 43 Resp: 2656

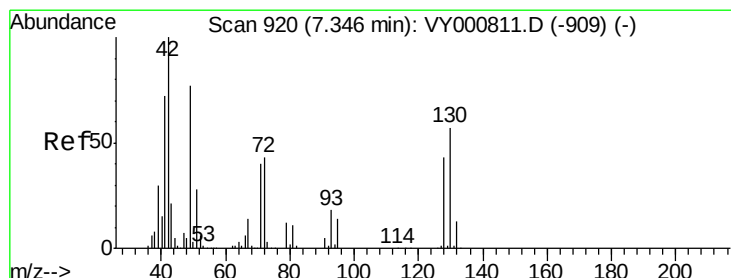
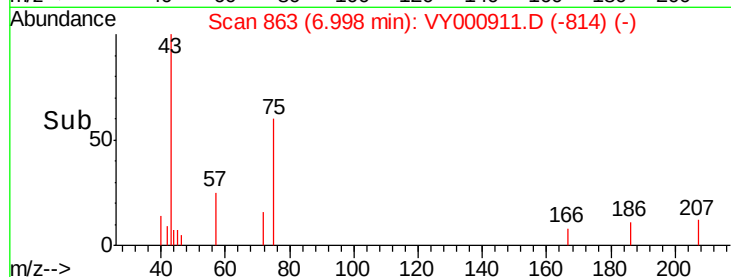
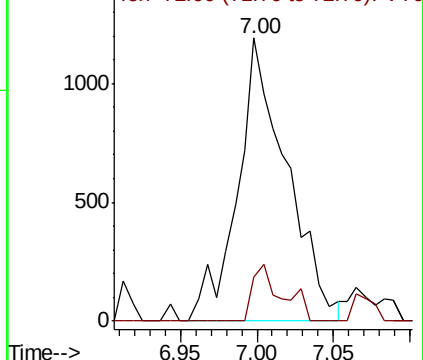
Ion Ratio Lower Upper

43 100

72 15.6 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: 2.038 ug/l

RT: 7.53 min Scan# 950

Delta R.T. 0.18 min

Lab File: VY000911.D

Acq: 09 Dec 2019 13:15

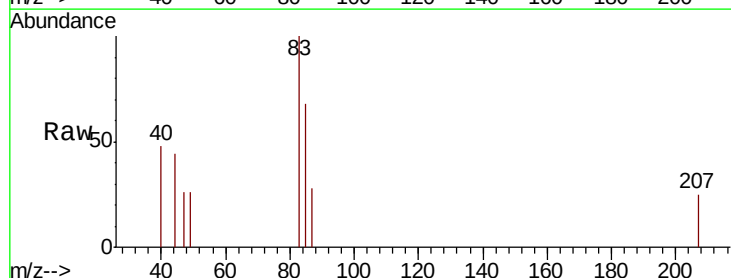
Tgt Ion: 49 Resp: 49

Ion Ratio Lower Upper

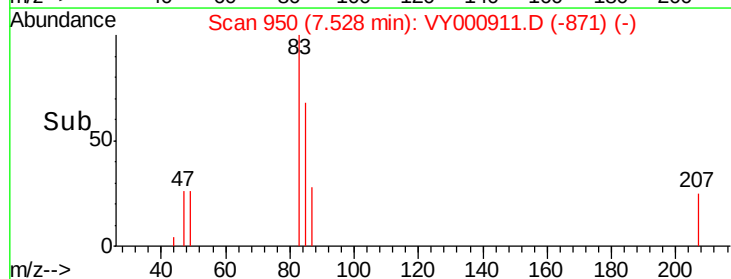
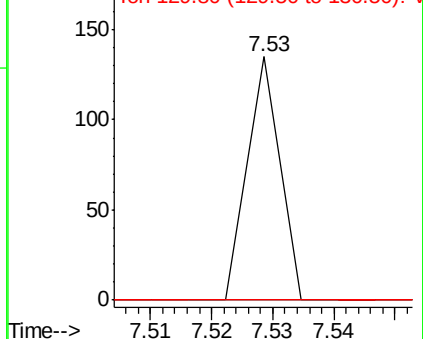
49 100

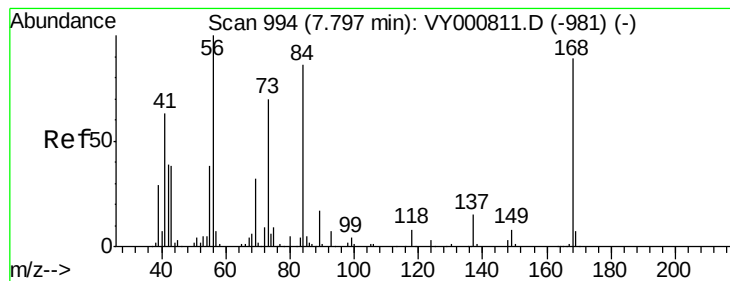
129 0.0 0.0 3.8

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





#31

Cyclohexane

Concen: 1.021 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.00 min

Lab File: VY000911.D

Acq: 09 Dec 2019 13:15

Instrument :
MSVOA_Y
ClientSampled :

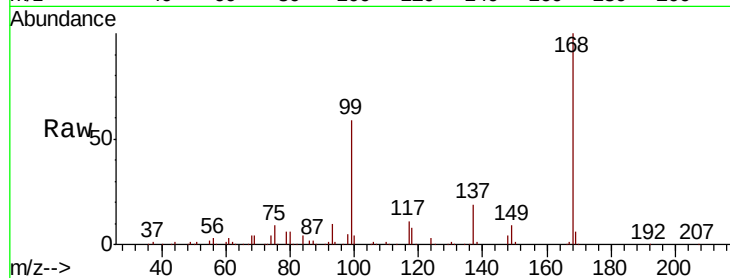
Tot Ion: 56 Resp: 6217

Ion Ratio Lower Upper

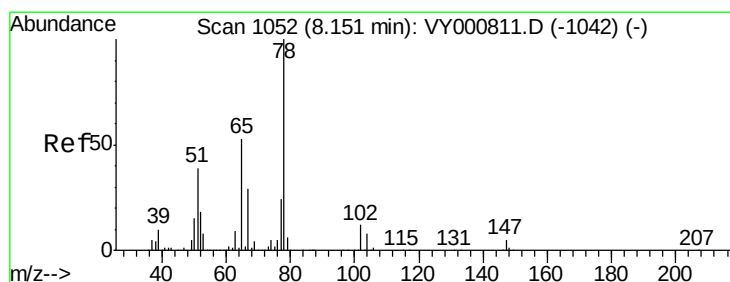
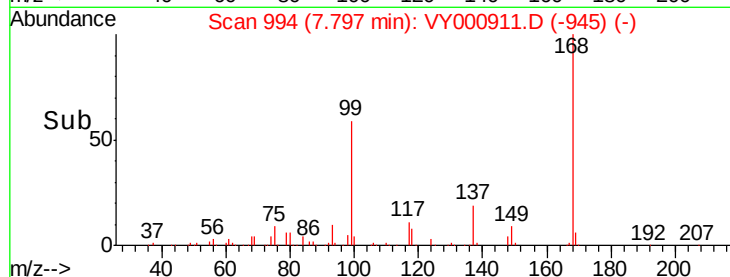
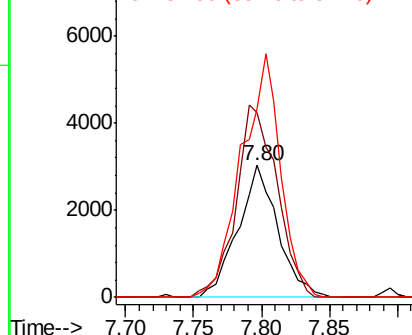
56 100

69 140.1 25.9 38.9#

84 143.6 68.6 102.8#



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: 49.807 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.00 min

Lab File: VY000911.D

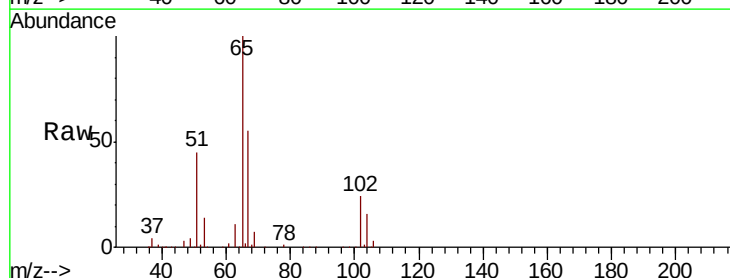
Acq: 09 Dec 2019 13:15

Tgt Ion: 65 Resp: 142813

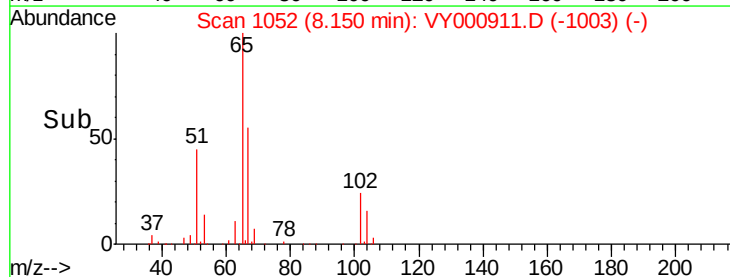
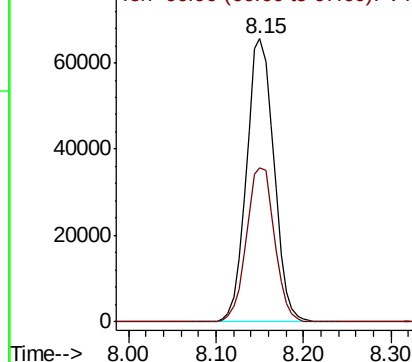
Ion Ratio Lower Upper

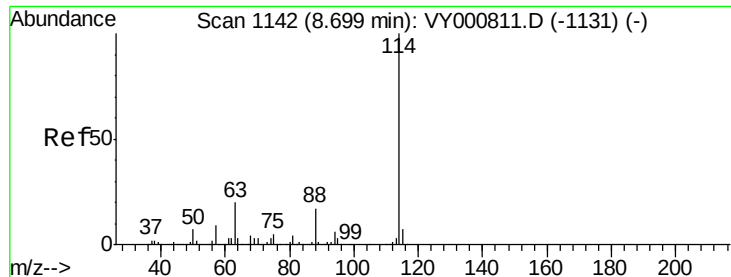
65 100

67 55.7 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: VY000911.D

Acq: 09 Dec 2019 13:15

Instrument :
MSVOA_Y
ClientSampleId :

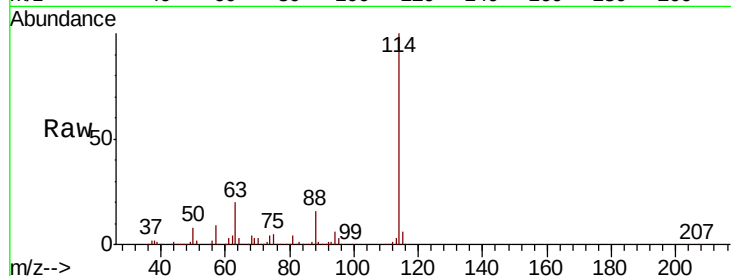
Tot Ion:114 Resp: 492420

Ion Ratio Lower Upper

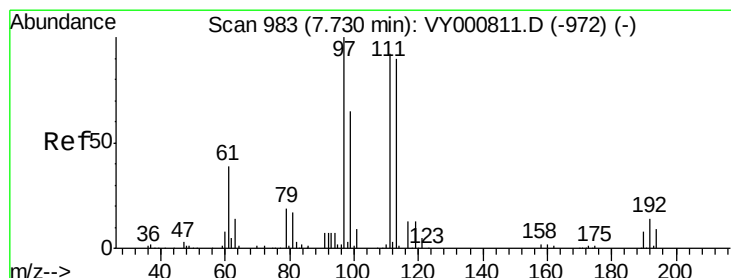
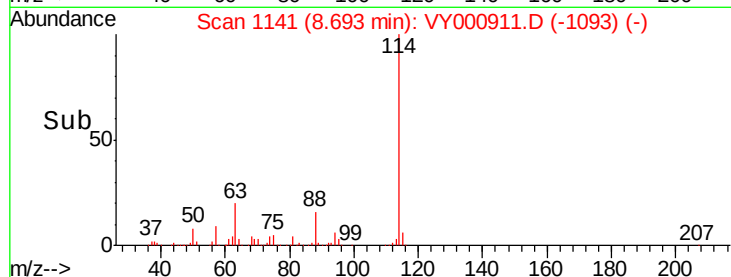
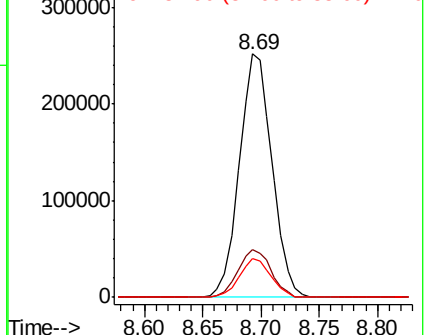
114 100

63 19.9 0.0 39.8

88 16.1 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: 47.577 ug/l

RT: 7.73 min Scan# 983

Delta R.T. -0.00 min

Lab File: VY000911.D

Acq: 09 Dec 2019 13:15

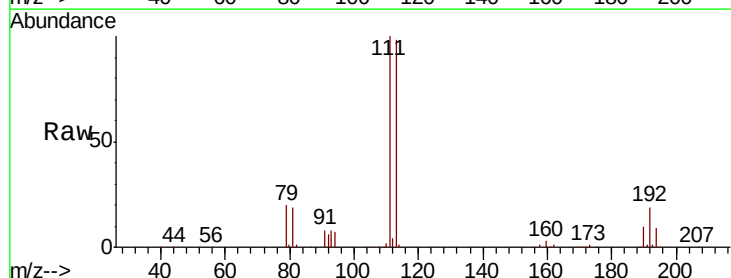
Tgt Ion:113 Resp: 136538

Ion Ratio Lower Upper

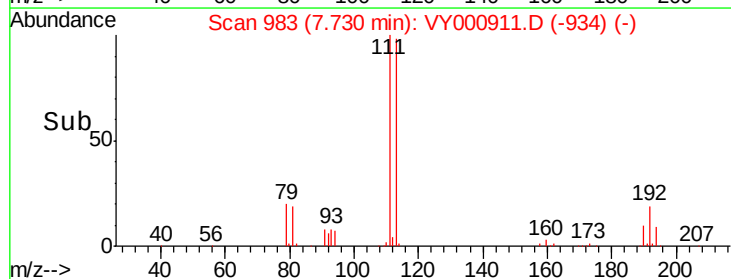
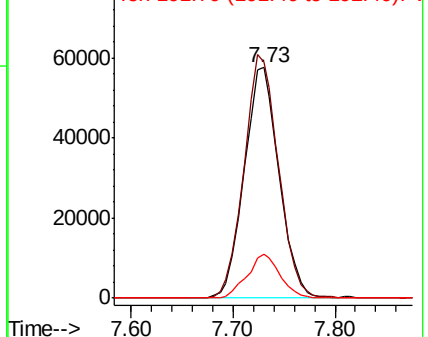
113 100

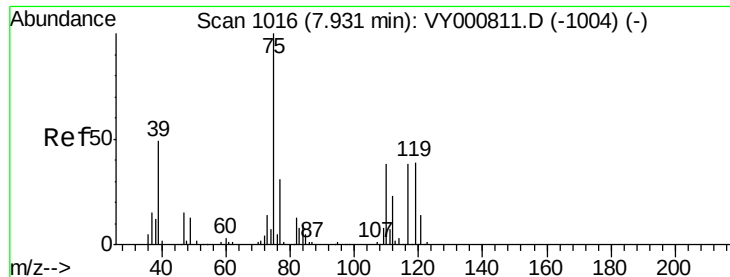
111 104.6 82.4 123.6

192 17.9 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: 4.548 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.13 min

Lab File: VY000911.D

Acq: 09 Dec 2019 13:15

Instrument :

MSVOA_Y

ClientSampled :

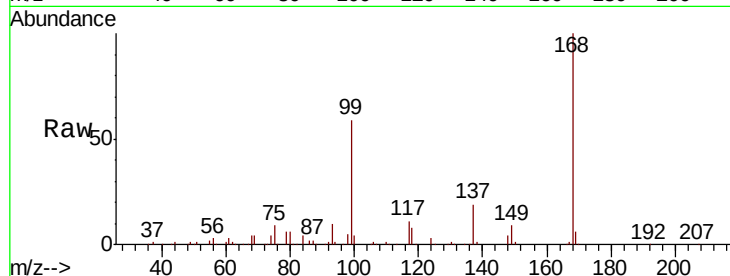
Tot Ion: 75 Resp: 22270

Ion Ratio Lower Upper

75 100

110 6.8 17.9 53.7#

77 0.0 24.7 37.1#

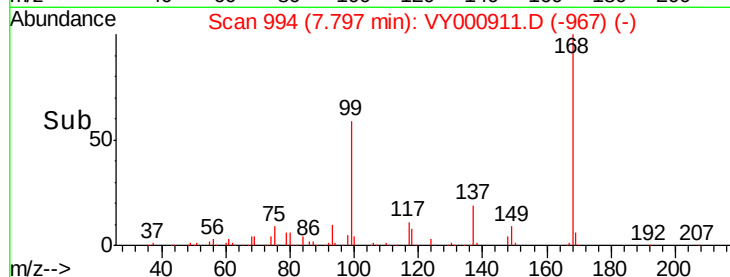


Abundance Ion 74.90 (74.60 to 75.60): VY000811.D (-1004) (-)

Ion 109.90 (109.60 to 110.60): VY000811.D (-1004) (-)

Ion 76.90 (76.60 to 77.60): VY000811.D (-1004) (-)

Time-->

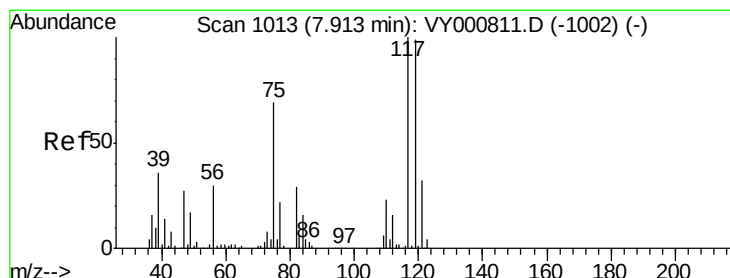


Abundance Ion 74.90 (74.60 to 75.60): VY000911.D (-967) (-)

Ion 109.90 (109.60 to 110.60): VY000911.D (-967) (-)

Ion 76.90 (76.60 to 77.60): VY000911.D (-967) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 6.336 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.12 min

Lab File: VY000911.D

Acq: 09 Dec 2019 13:15

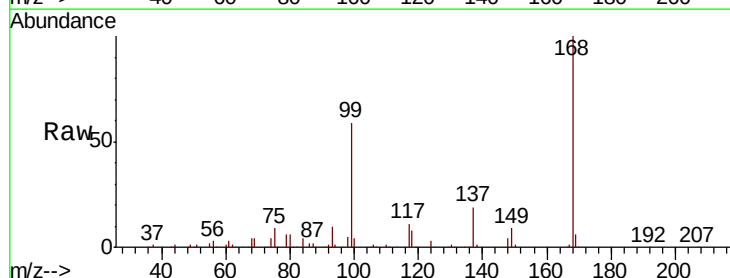
Tgt Ion: 117 Resp: 27628

Ion Ratio Lower Upper

117 100

119 3.3 79.3 118.9#

121 0.0 25.5 38.3#

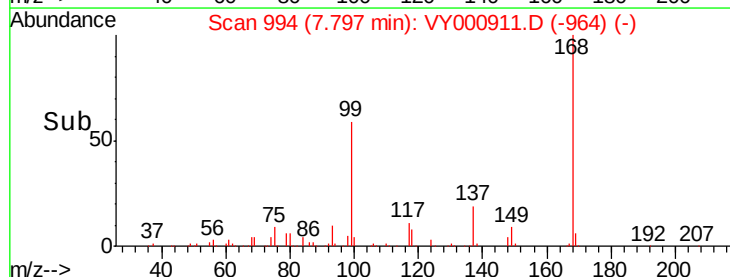


Abundance Ion 116.80 (116.50 to 117.50): VY000811.D (-1002) (-)

Ion 118.80 (118.50 to 119.50): VY000811.D (-1002) (-)

Ion 120.80 (120.50 to 121.50): VY000811.D (-1002) (-)

Time-->

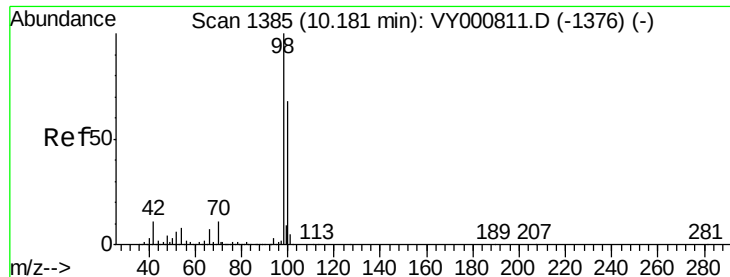


Abundance Ion 116.80 (116.50 to 117.50): VY000911.D (-964) (-)

Ion 118.80 (118.50 to 119.50): VY000911.D (-964) (-)

Ion 120.80 (120.50 to 121.50): VY000911.D (-964) (-)

Time-->



#50

Toluene-d8

Concen: 50.710 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY000911.D

Acq: 09 Dec 2019 13:15

Instrument :

MSVOA_Y

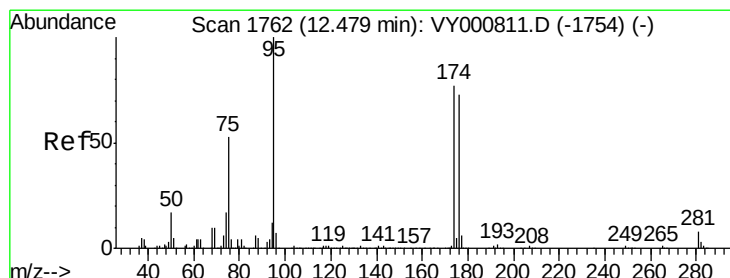
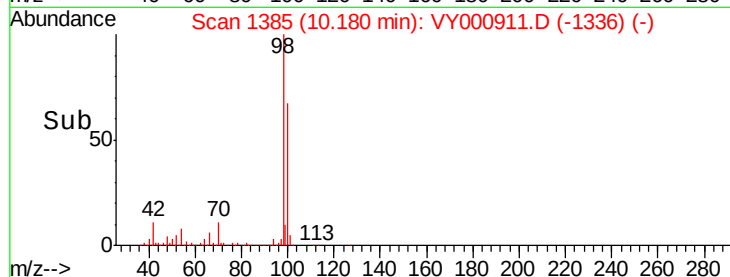
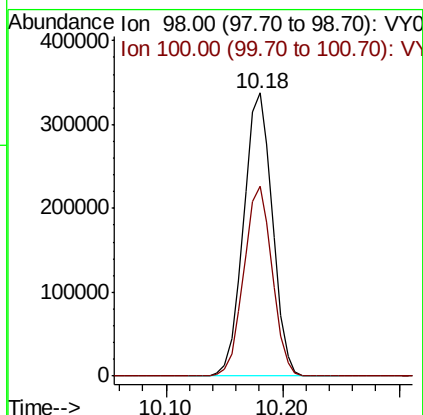
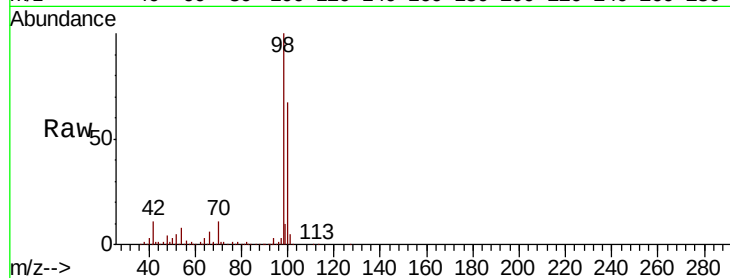
ClientSampleId :

Tot Ion: 98 Resp: 581813

Ion Ratio Lower Upper

98 100

100 66.2 53.1 79.7



#62

4-Bromofluorobenzene

Concen: 43.745 ug/l

RT: 12.47 min Scan# 1761

Delta R.T. -0.01 min

Lab File: VY000911.D

Acq: 09 Dec 2019 13:15

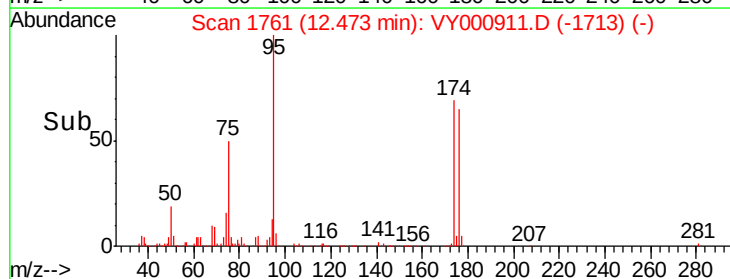
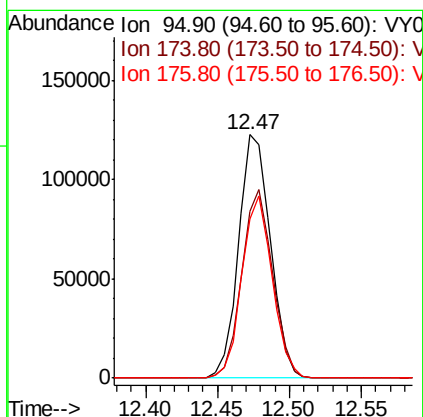
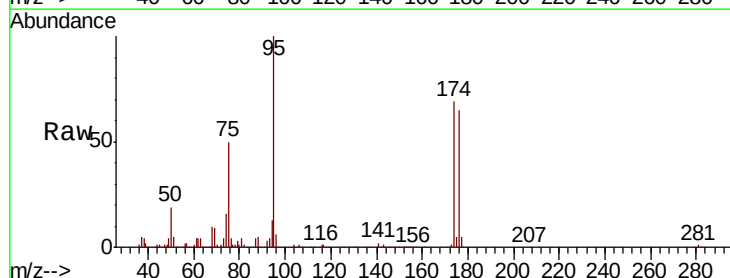
Tgt Ion: 95 Resp: 188490

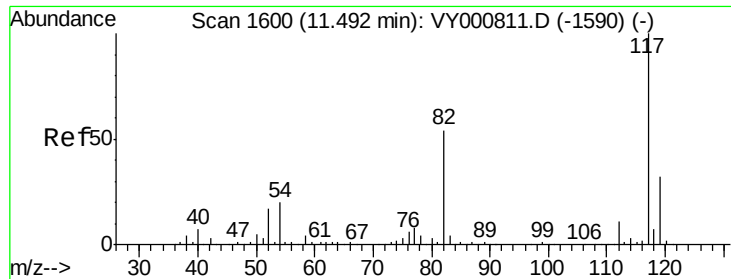
Ion Ratio Lower Upper

95 100

174 74.9 0.0 150.6

176 71.3 0.0 145.2

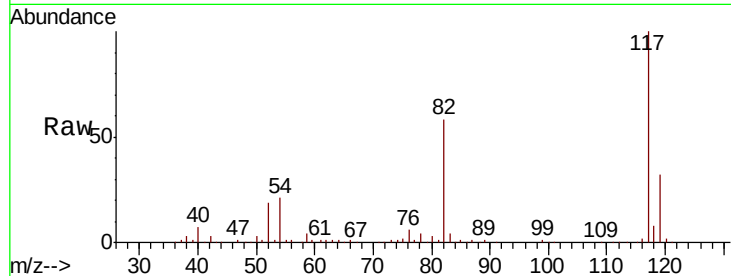




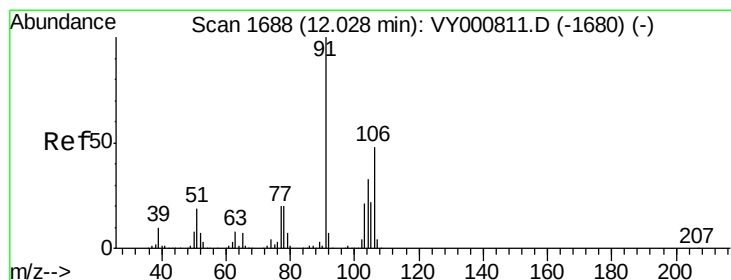
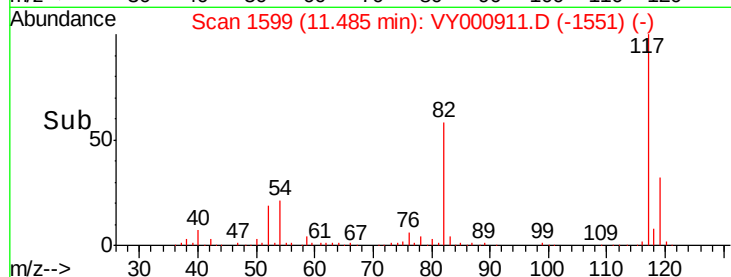
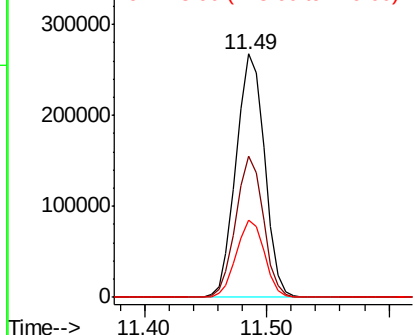
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VY000911.D
Acq: 09 Dec 2019 13:15

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:117 Resp: 431674
Ion Ratio Lower Upper
117 100
82 57.9 43.1 64.7
119 31.8 25.3 37.9

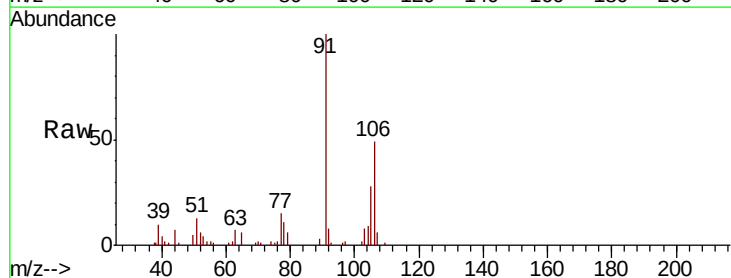


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

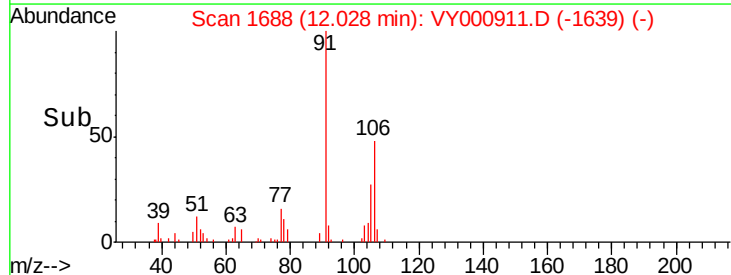
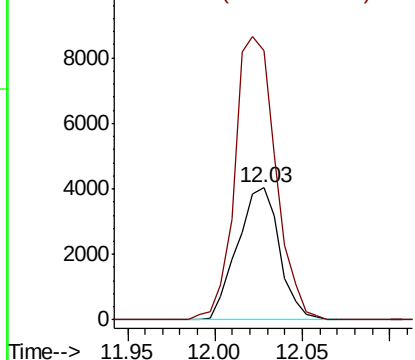


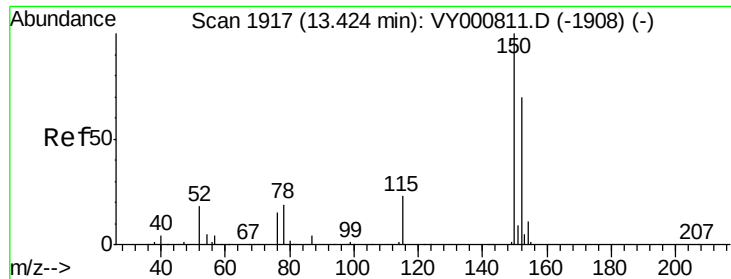
#69
o-Xylene
Concen: 1.152 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VY000911.D
Acq: 09 Dec 2019 13:15

Tgt Ion:106 Resp: 6739
Ion Ratio Lower Upper
106 100
91 208.5 106.1 318.1



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



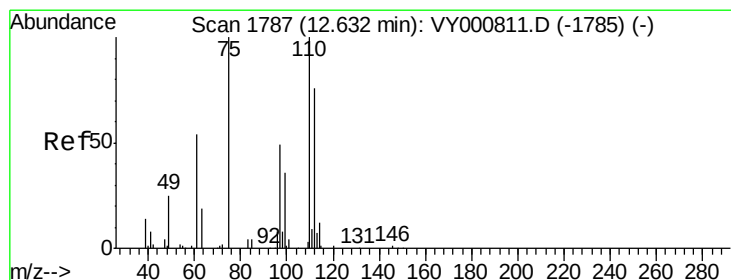
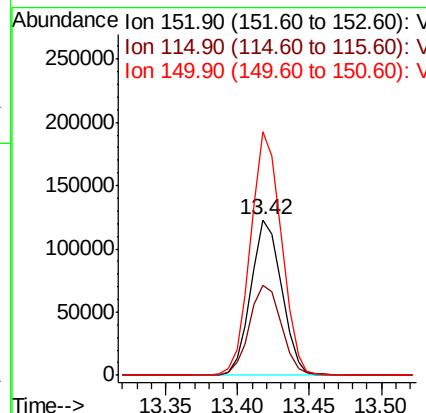
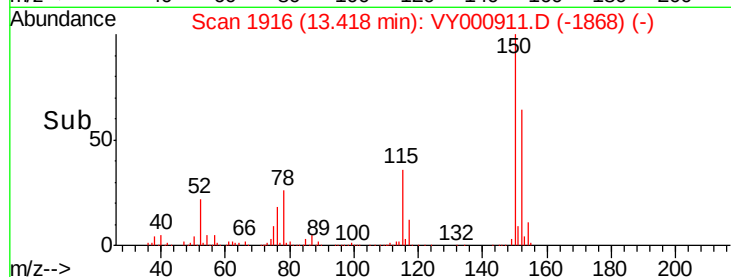
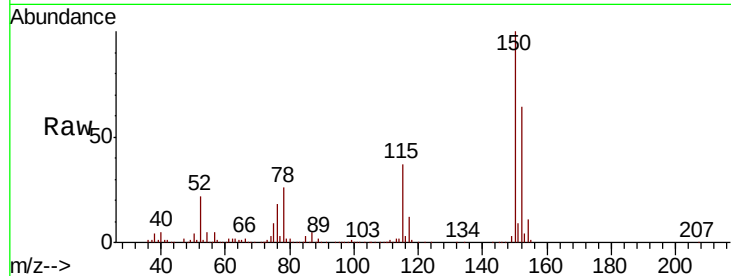


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1916
Delta R.T. -0.01 min
Lab File: VY000911.D
Acq: 09 Dec 2019 13:15

Instrument :
MSVOA_Y
ClientSampleId :

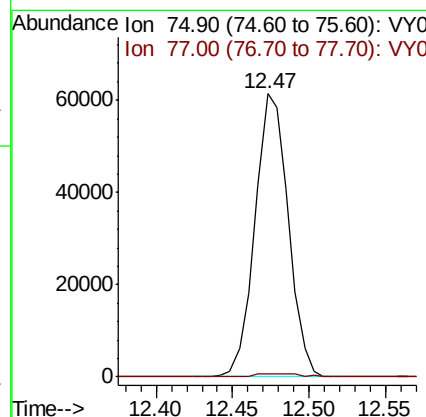
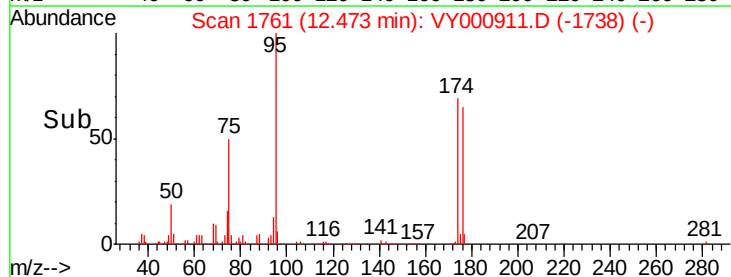
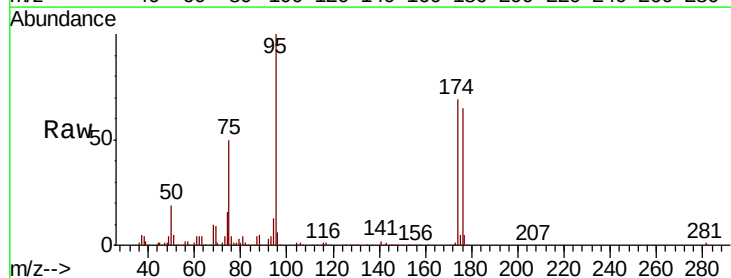
Tot Ion:152 Resp: 181363
Ion Ratio Lower Upper
152 100
115 60.7 29.3 87.8
150 156.4 0.0 351.2

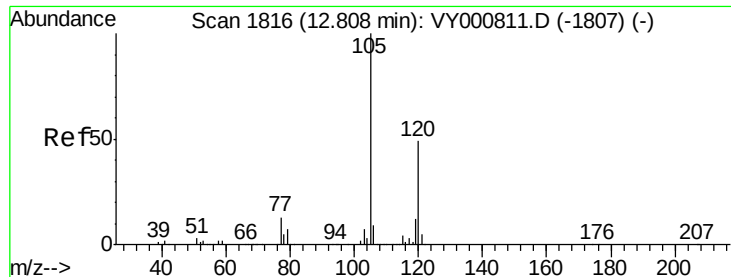


#76

1,2,3-Trichloropropane
Concen: 45.250 ug/l
RT: 12.47 min Scan# 1761
Delta R.T. -0.16 min
Lab File: VY000911.D
Acq: 09 Dec 2019 13:15

Tgt Ion: 75 Resp: 92981
Ion Ratio Lower Upper
75 100
77 1.8 0.0 0.0#

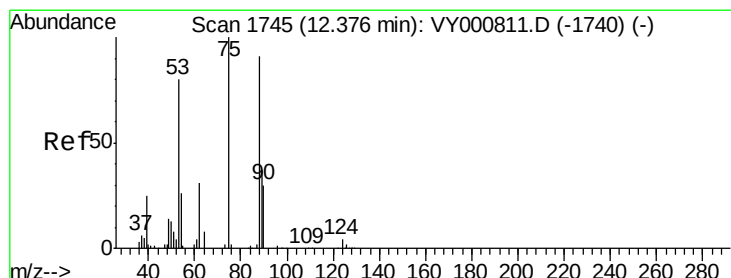
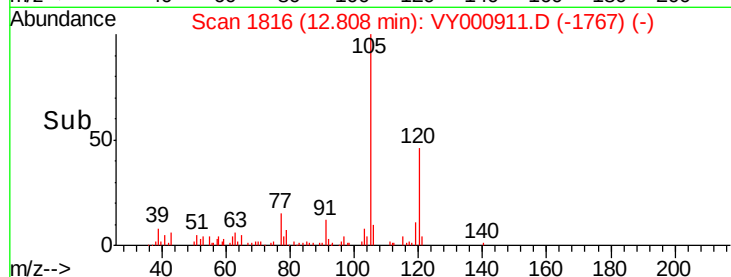
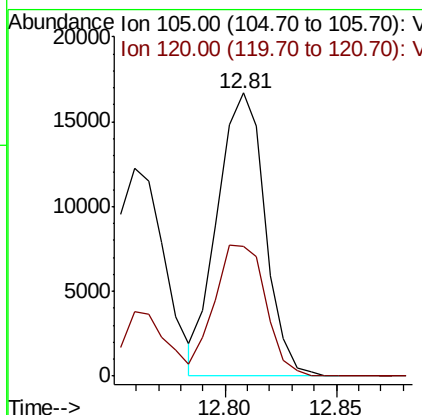
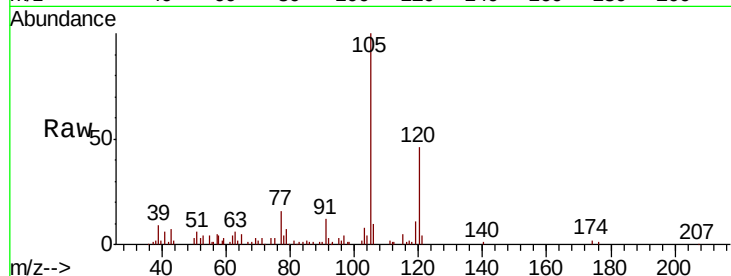




#80
 1,3,5-Trimethylbenzene
 Concen: 2.075 ug/l
 RT: 12.81 min Scan# 1816
 Delta R.T. -0.00 min
 Lab File: VY000911.D
 Acq: 09 Dec 2019 13:15

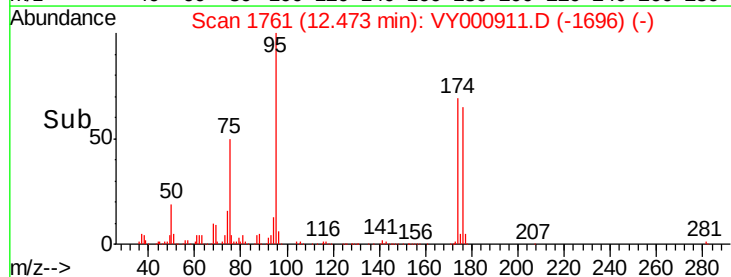
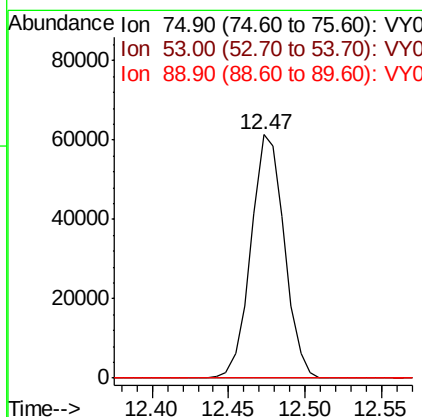
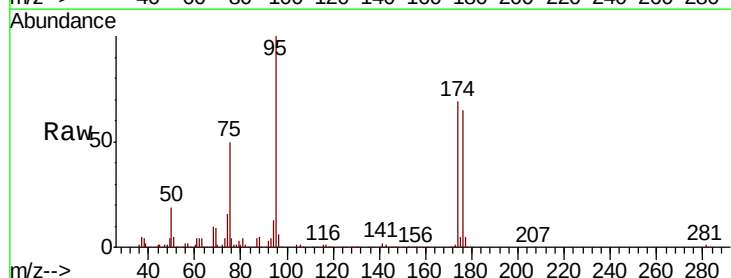
Instrument :
 MSVOA_Y
 ClientSampleId :

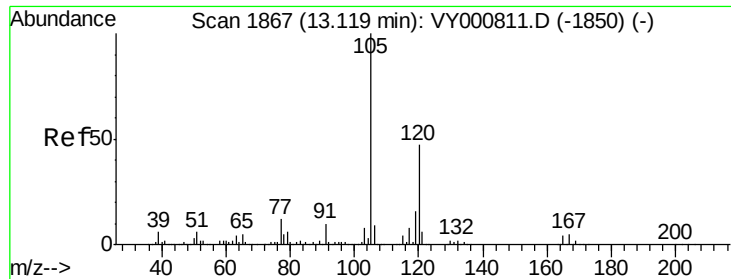
Tot Ion:105 Resp: 24811
 Ion Ratio Lower Upper
 105 100
 120 49.6 24.6 74.0



#81
 trans-1,4-Dichloro-2-butene
 Concen: 88.884 ug/l
 RT: 12.47 min Scan# 1761
 Delta R.T. 0.10 min
 Lab File: VY000911.D
 Acq: 09 Dec 2019 13:15

Tgt Ion: 75 Resp: 92981
 Ion Ratio Lower Upper
 75 100
 53 0.1 64.6 96.8#
 89 0.1 33.6 50.4#

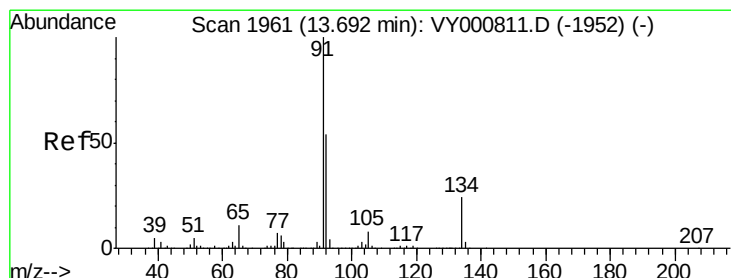
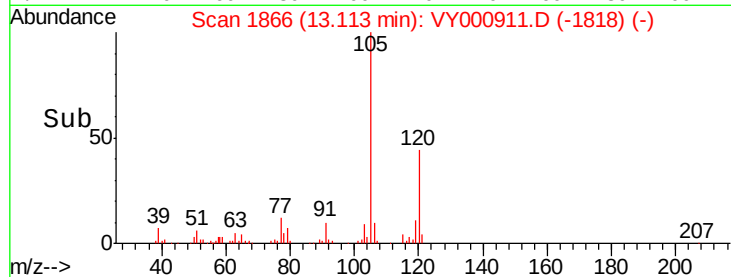
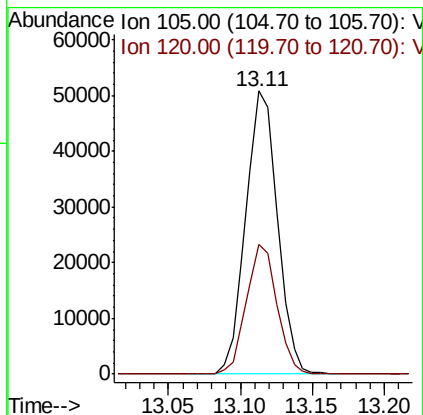
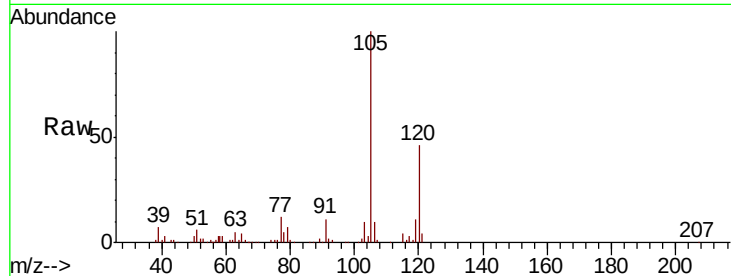




#84
 1,2,4-Trimethylbenzene
 Concen: 6.447 ug/l
 RT: 13.11 min Scan# 1866
 Delta R.T. -0.01 min
 Lab File: VY000911.D
 Acq: 09 Dec 2019 13:15

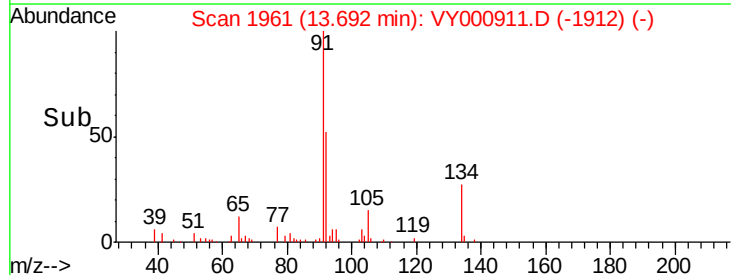
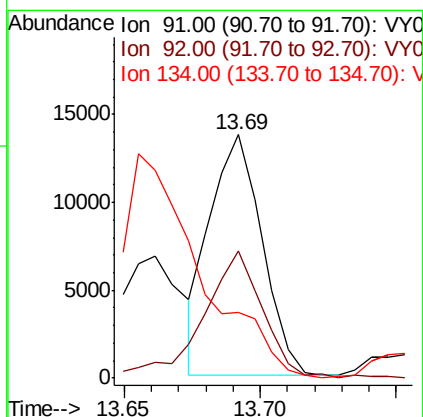
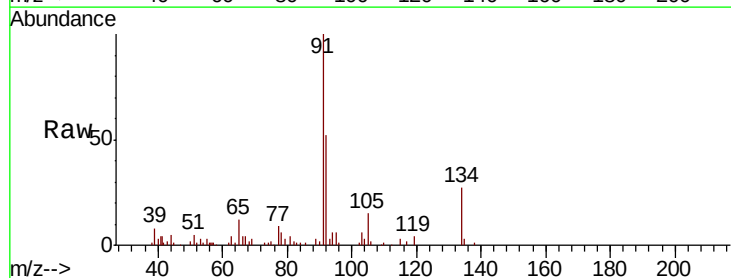
Instrument :
 MSVOA_Y
 ClientSampled :

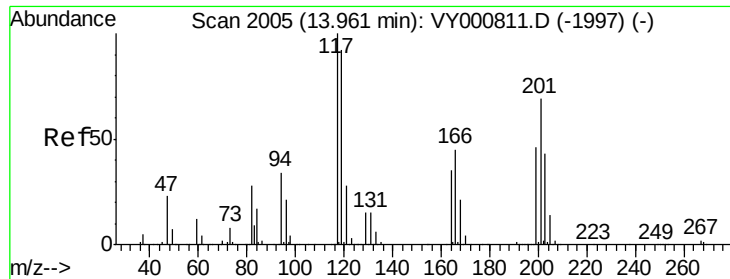
Tot Ion:105 Resp: 77125
 Ion Ratio Lower Upper
 105 100
 120 44.2 22.6 67.8



#89
 n-Butylbenzene
 Concen: 1.416 ug/l
 RT: 13.69 min Scan# 1961
 Delta R.T. -0.00 min
 Lab File: VY000911.D
 Acq: 09 Dec 2019 13:15

Tgt Ion: 91 Resp: 18202
 Ion Ratio Lower Upper
 91 100
 92 60.3 26.9 80.7
 134 0.0 12.6 37.6#





#90

Hexachloroethane

Concen: 2.137 ug/l

RT: 13.97 min Scan# 2007

Delta R.T. 0.01 min

Lab File: VY000911.D

Acq: 09 Dec 2019 13:15

Instrument :

MSVOA_Y

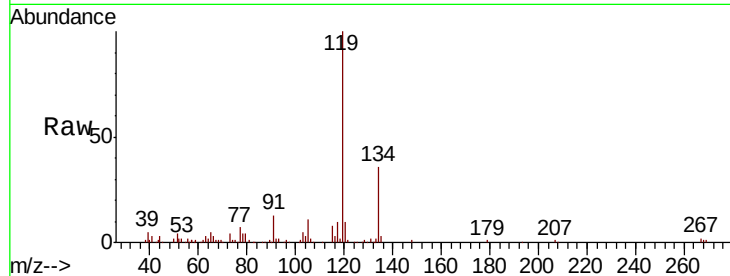
ClientSampleId :

Tot Ion:117 Resp: 5005

Ion Ratio Lower Upper

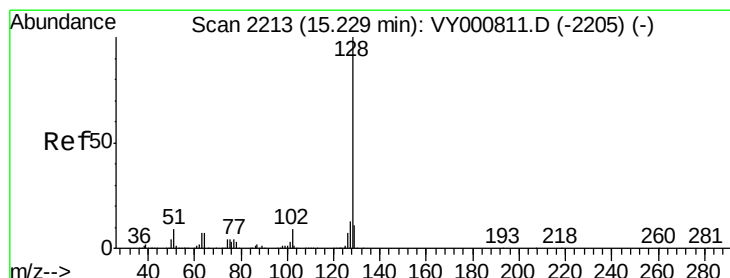
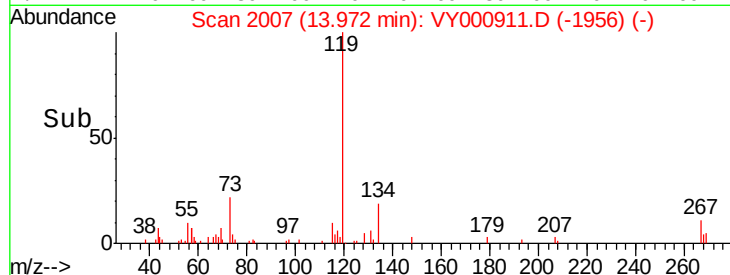
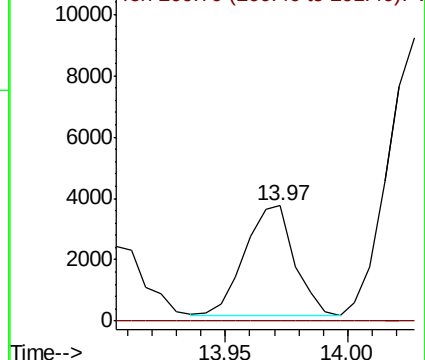
117 100

201 0.0 34.0 102.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#95

Naphthalene

Concen: 2.586 ug/l

RT: 15.23 min Scan# 2213

Delta R.T. -0.00 min

Lab File: VY000911.D

Acq: 09 Dec 2019 13:15

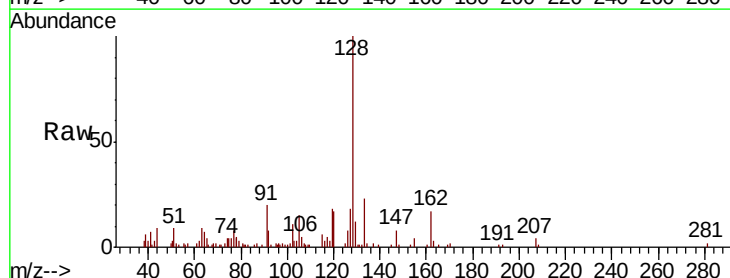
Tgt Ion:128 Resp: 22446

Ion Ratio Lower Upper

128 100

127 15.3 10.1 15.1#

129 17.4 8.8 13.2#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

