

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY112019\
 Data File : VY000760.D
 Acq On : 21 Nov 2019 08:10
 Operator : SY/MD
 Sample : K5933-10
 Misc : 12.03G/5ML/MSVOA Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-COMP-02

Quant Time: Nov 21 09:16:42 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	7.78	168	234249	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.69	114	431110	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.49	117	349012	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	113257	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.14	65	129697	53.50	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	107.00%	
35) Dibromofluoromethane	7.71	113	102033	40.31	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	80.62%	
50) Toluene-d8	10.17	98	492165	51.25	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	102.50%	
62) 4-Bromofluorobenzene	12.48	95	140374	38.40	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	76.80%	

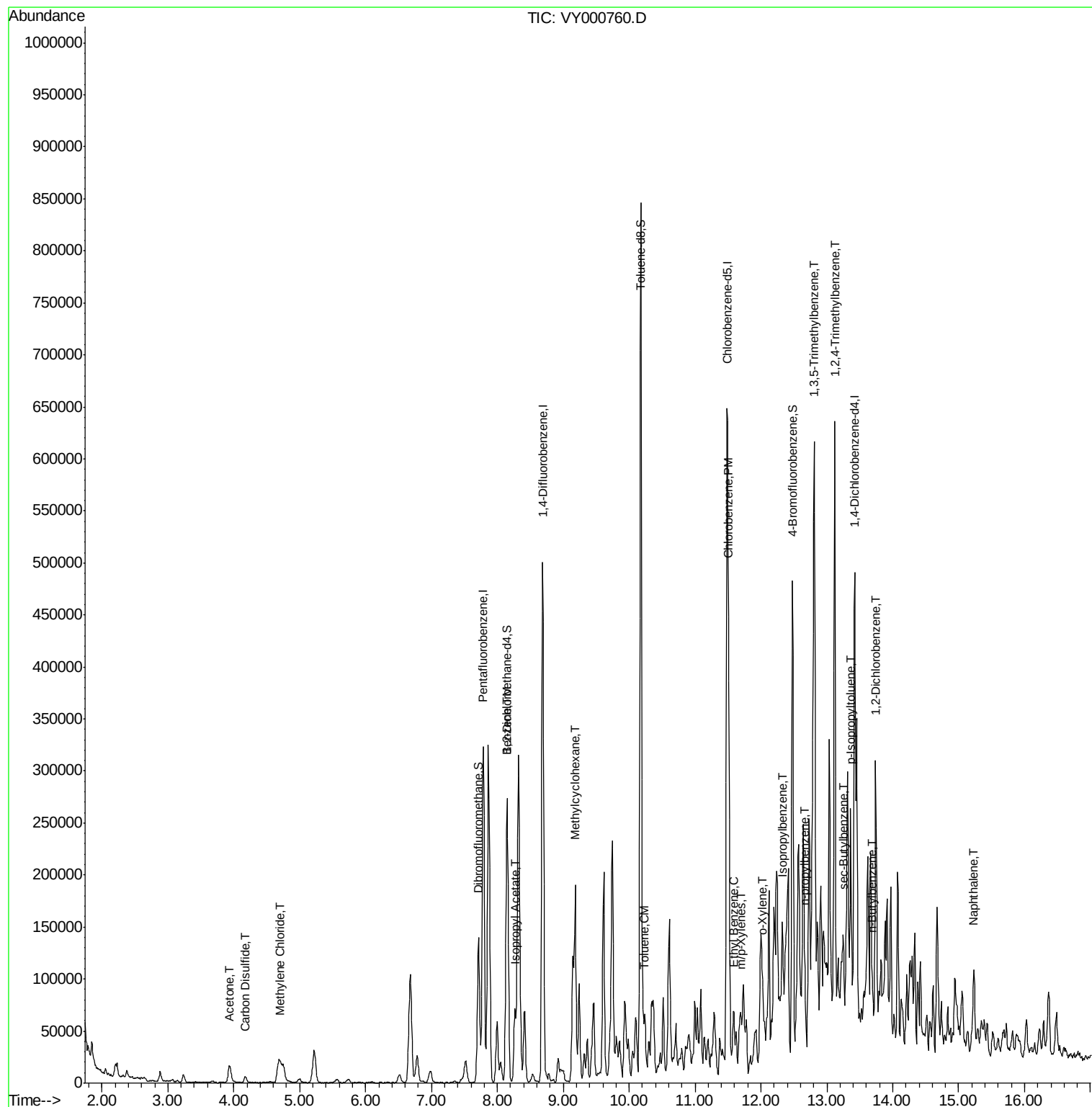
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.93	43	30837	46.154	ug/l	99
17) Carbon Disulfide	4.18	76	11465	1.554	ug/l #	94
20) Methylene Chloride	4.71	84	7130	2.491	ug/l #	78
39) Methylcyclohexane	9.18	83	73149	13.893	ug/l	98
40) Benzene	8.16	78	163860	13.714	ug/l	97
43) Isopropyl Acetate	8.27	43	23989	5.278	ug/l #	53
52) Toluene	10.24	92	23307	3.085	ug/l	98
65) Chlorobenzene	11.51	112	205270	29.009	ug/l	99
67) Ethyl Benzene	11.59	91	28440	2.184	ug/l	89
68) m/p-Xylenes	11.70	106	12762	2.532	ug/l	98
69) o-Xylene	12.03	106	9798	2.068	ug/l	96
73) Isopropylbenzene	12.33	105	47981	5.732	ug/l	99
78) n-propylbenzene	12.67	91	46867	4.640	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	102025	14.635	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	304656	43.891	ug/l	100
85) sec-Butylbenzene	13.25	105	29769	3.510	ug/l #	61
86) p-Isopropyltoluene	13.37	119	76535	10.126	ug/l	98
89) n-Butylbenzene	13.69	91	24185	3.244	ug/l #	75
91) 1,2-Dichlorobenzene	13.74	146	28274	8.382	ug/l #	85
95) Naphthalene	15.23	128	51213	10.044	ug/l #	94

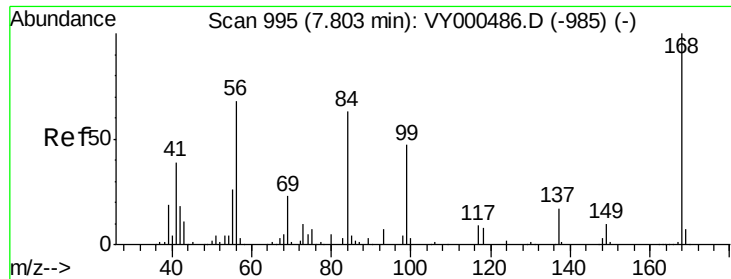
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.78 min Scan# 992

Delta R.T. -0.02 min

Lab File: VY000760.D

Acq: 21 Nov 2019 08:10

Instrument :

MSVOA_Y

ClientSampleId :

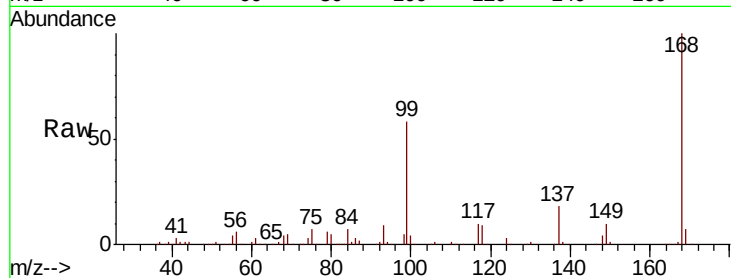
WC-COMP-02

Tot Ion:168 Resp: 234249

Ion Ratio Lower Upper

168 100

99 58.0 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): VY000760.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY000760.D (-985) (-)

7.78

120000

100000

80000

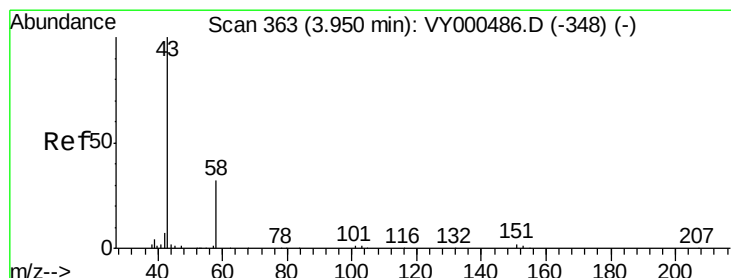
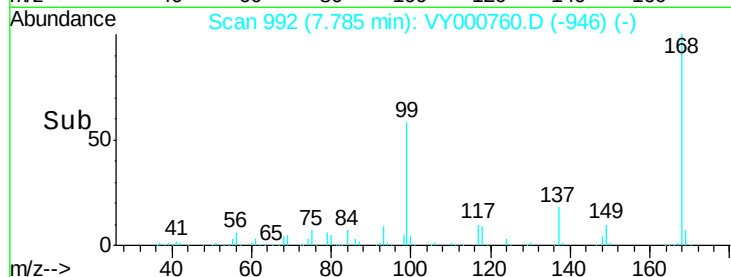
60000

40000

20000

0

Time-->



#16

Acetone

Concen: 46.154 ug/l

RT: 3.93 min Scan# 360

Delta R.T. -0.02 min

Lab File: VY000760.D

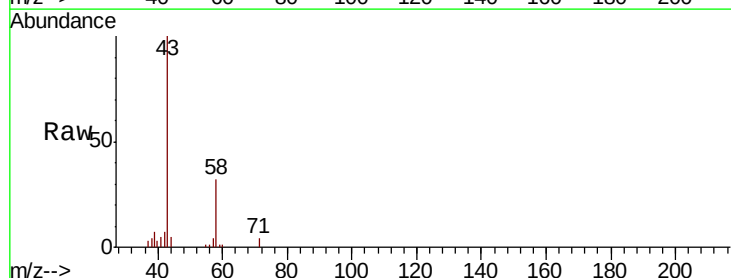
Acq: 21 Nov 2019 08:10

Tgt Ion: 43 Resp: 30837

Ion Ratio Lower Upper

43 100

58 31.7 25.8 38.6



Abundance Ion 43.00 (42.70 to 43.70): VY000760.D (-314) (-)

Ion 58.00 (57.70 to 58.70): VY000760.D (-314) (-)

3.93

10000

8000

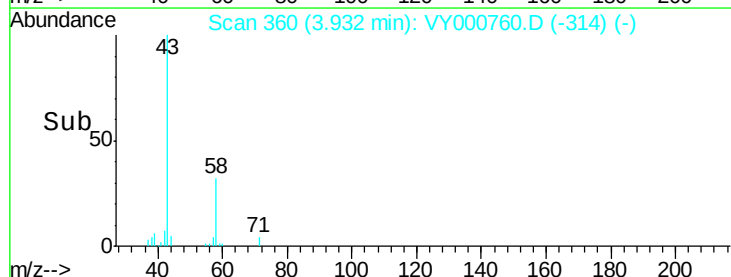
6000

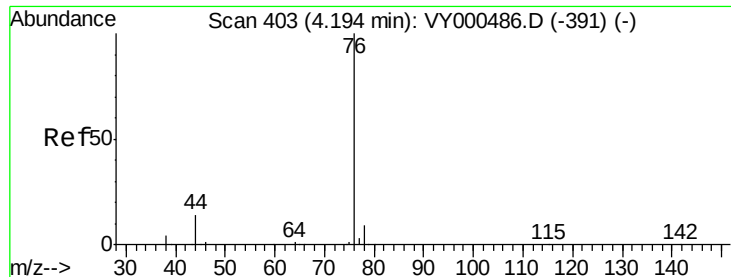
4000

2000

0

Time-->





#17

Carbon Disulfide

Concen: 1.554 ug/l

RT: 4.18 min Scan# 400

Delta R.T. -0.02 min

Lab File: VY000760.D

Acq: 21 Nov 2019 08:10

Instrument :

MSVOA_Y

ClientSampleId :

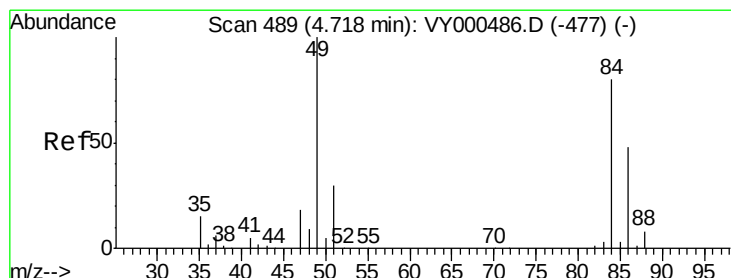
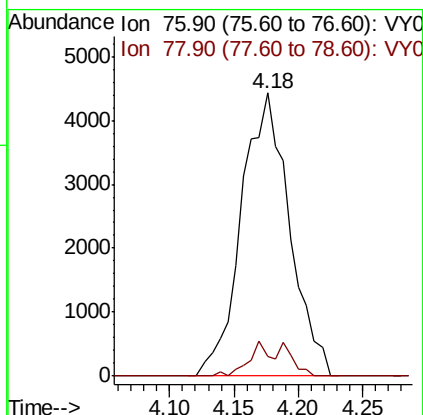
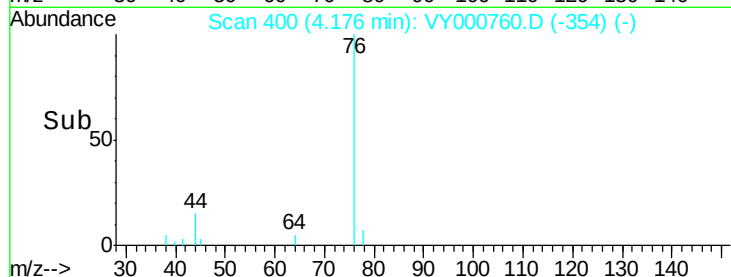
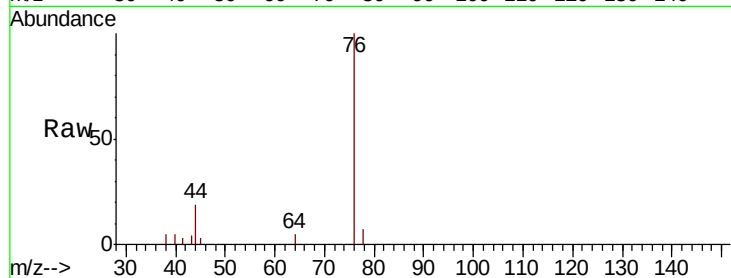
WC-COMP-02

Tot Ion: 76 Resp: 11465

Ion Ratio Lower Upper

76 100

78 7.1 7.5 11.3#



#20

Methylene Chloride

Concen: 2.491 ug/l

RT: 4.71 min Scan# 487

Delta R.T. -0.01 min

Lab File: VY000760.D

Acq: 21 Nov 2019 08:10

Tgt Ion: 84 Resp: 7130

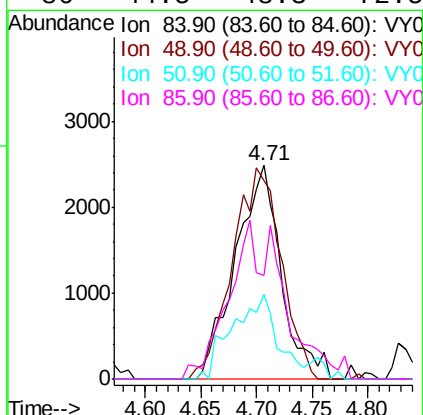
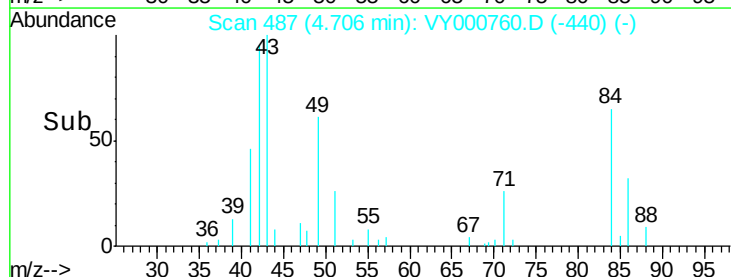
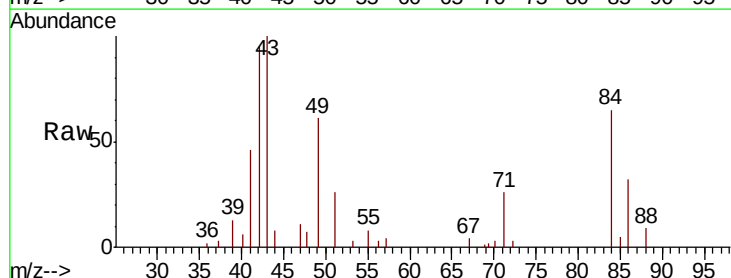
Ion Ratio Lower Upper

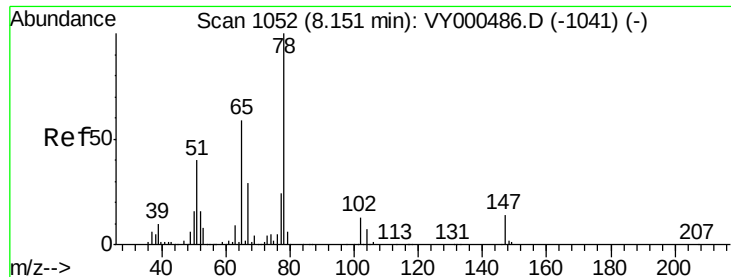
84 100

49 92.8 100.2 150.4#

51 39.7 29.6 44.4

86 44.5 48.3 72.5#

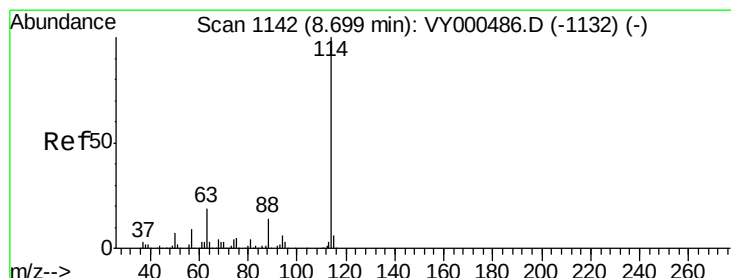
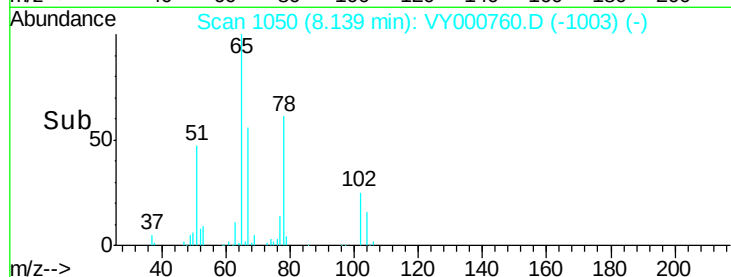
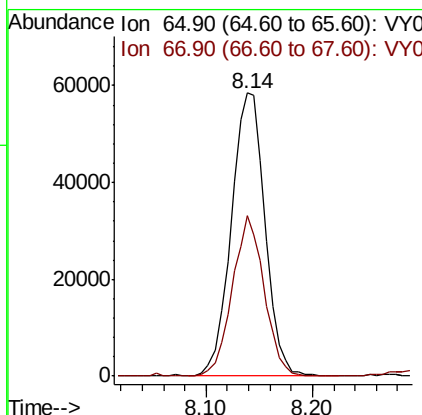
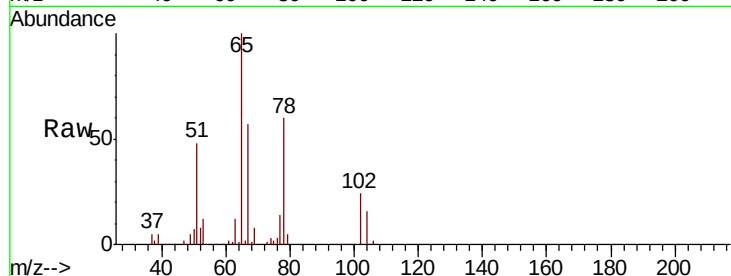




#33
 1,2-Dichloroethane-d4
 Concen: 53.502 ug/l
 RT: 8.14 min Scan# 1050
 Delta R.T. -0.01 min
 Lab File: VY000760.D
 Acq: 21 Nov 2019 08:10

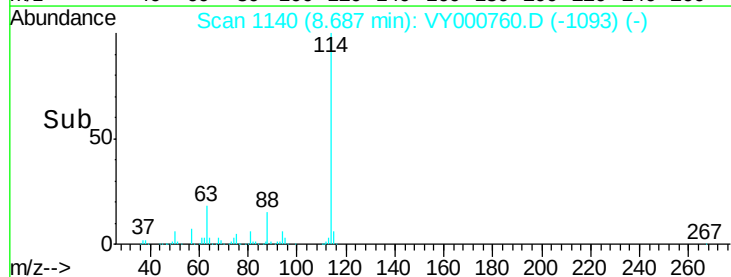
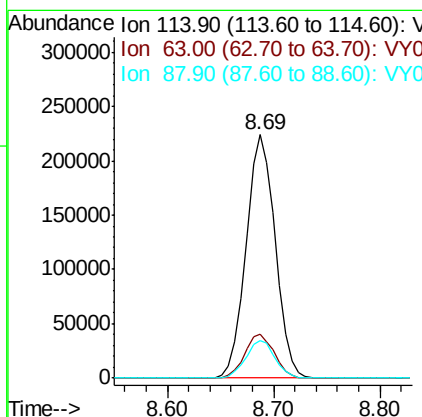
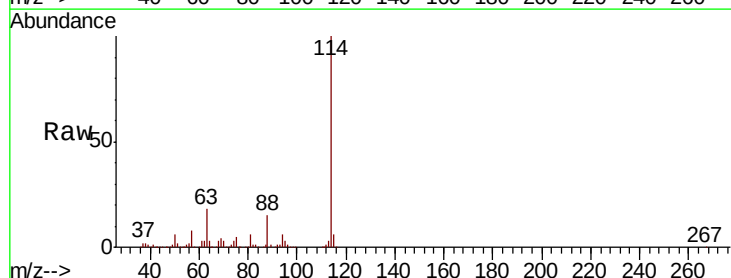
Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-COMP-02

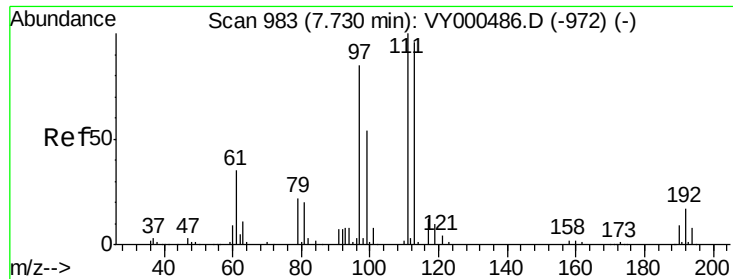
Tot Ion: 65 Resp: 129697
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1140
 Delta R.T. -0.01 min
 Lab File: VY000760.D
 Acq: 21 Nov 2019 08:10

Tgt Ion: 114 Resp: 431110
 Ion Ratio Lower Upper
 114 100
 63 18.0 0.0 38.0
 88 15.3 0.0 28.6





#35

Dibromofluoromethane

Concen: 40.315 ug/l

RT: 7.71 min Scan# 980

Delta R.T. -0.02 min

Lab File: VY000760.D

Acq: 21 Nov 2019 08:10

Instrument :

MSVOA_Y

ClientSampled :

WC-COMP-02

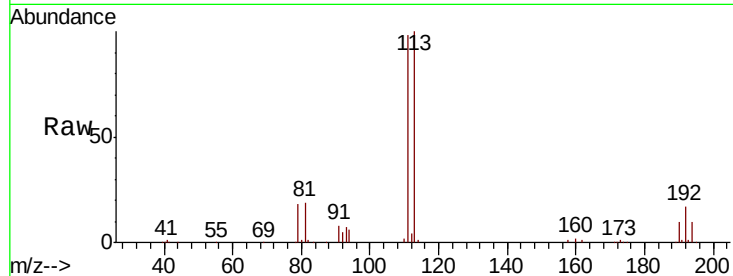
Tot Ion:113 Resp: 102033

Ion Ratio Lower Upper

113 100

111 103.3 81.7 122.5

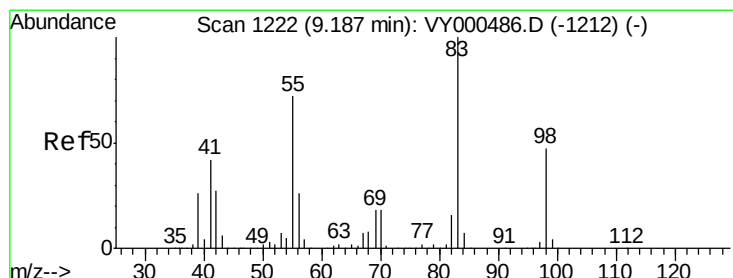
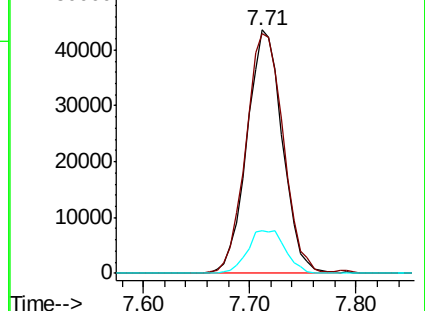
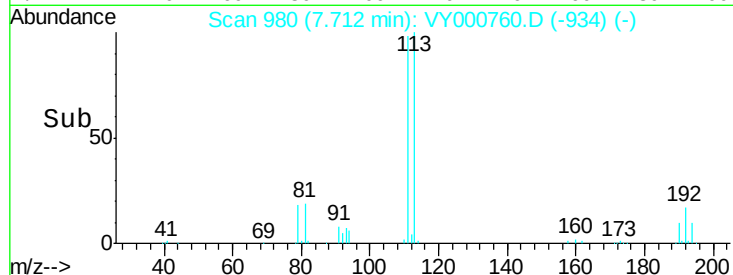
192 18.9 15.0 22.4



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



#39

Methylcyclohexane

Concen: 13.893 ug/l

RT: 9.18 min Scan# 1221

Delta R.T. -0.01 min

Lab File: VY000760.D

Acq: 21 Nov 2019 08:10

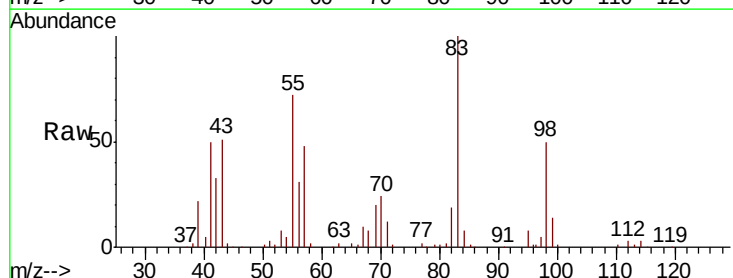
Tgt Ion: 83 Resp: 73149

Ion Ratio Lower Upper

83 100

55 72.0 57.5 86.3

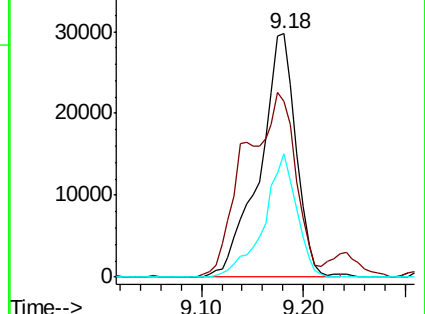
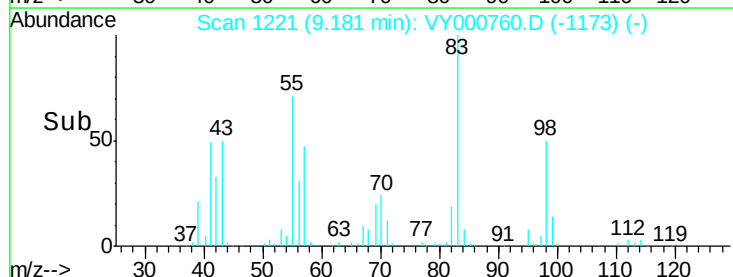
98 50.4 38.0 57.0

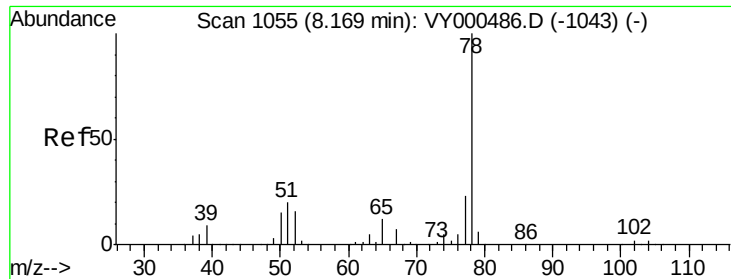


Abundance Ion 83.00 (82.70 to 83.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 98.00 (97.70 to 98.70): VY0





#40

Benzene

Concen: 13.714 ug/l

RT: 8.16 min Scan# 1053

Delta R.T. -0.01 min

Lab File: VY000760.D

Acq: 21 Nov 2019 08:10

Instrument :

MSVOA_Y

ClientSampled :

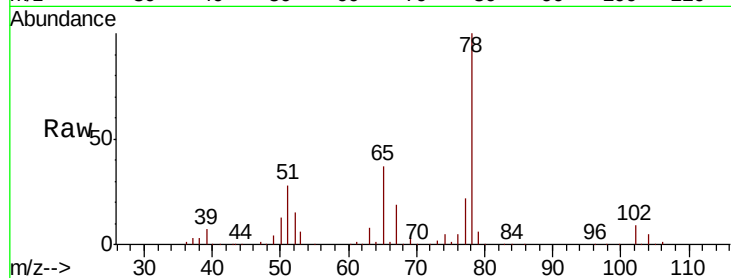
WC-COMP-02

Tot Ion: 78 Resp: 163860

Ion Ratio Lower Upper

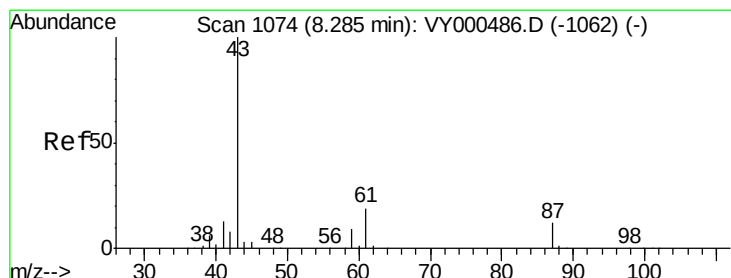
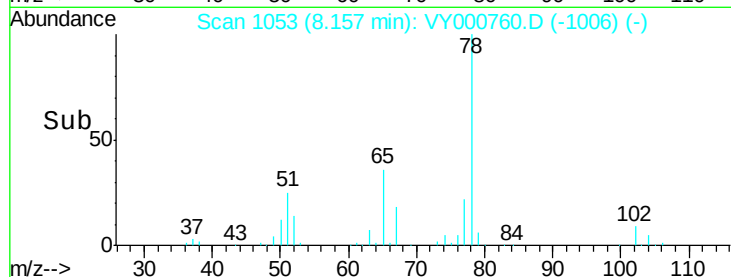
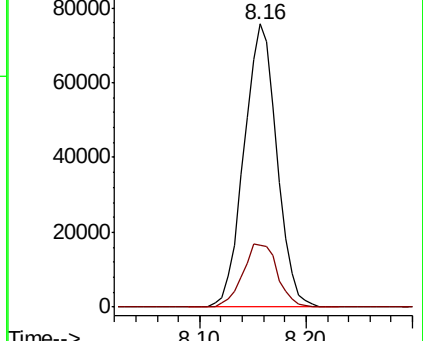
78 100

77 22.0 18.6 28.0



Abundance Ion 78.00 (77.70 to 78.70): VY0

Ion 77.00 (76.70 to 77.70): VY0



#43

Isopropyl Acetate

Concen: 5.278 ug/l

RT: 8.27 min Scan# 1071

Delta R.T. -0.02 min

Lab File: VY000760.D

Acq: 21 Nov 2019 08:10

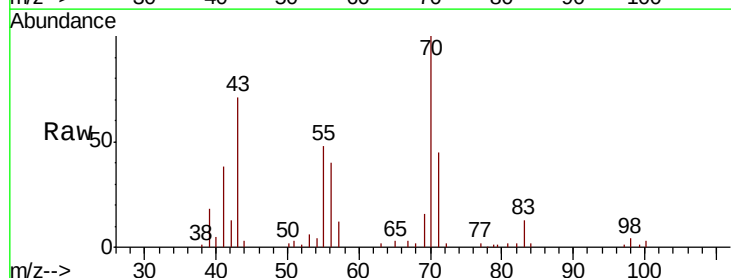
Tgt Ion: 43 Resp: 23989

Ion Ratio Lower Upper

43 100

61 0.0 23.0 34.4#

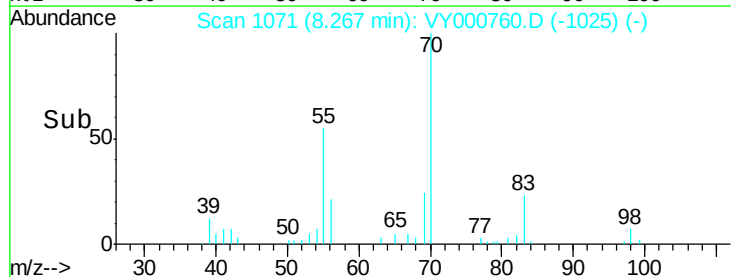
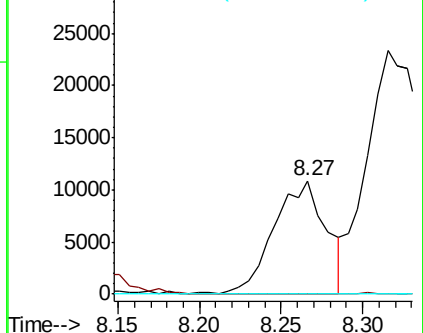
87 0.0 10.5 15.7#

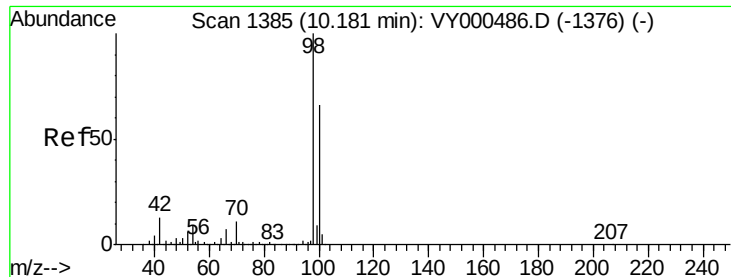


Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 61.00 (60.70 to 61.70): VY0

Ion 87.00 (86.70 to 87.70): VY0





#50

Toluene-d8

Concen: 51.249 ug/l

RT: 10.17 min Scan# 1384

Delta R.T. -0.01 min

Lab File: VY000760.D

Acq: 21 Nov 2019 08:10

Instrument :

MSVOA_Y

ClientSampleId :

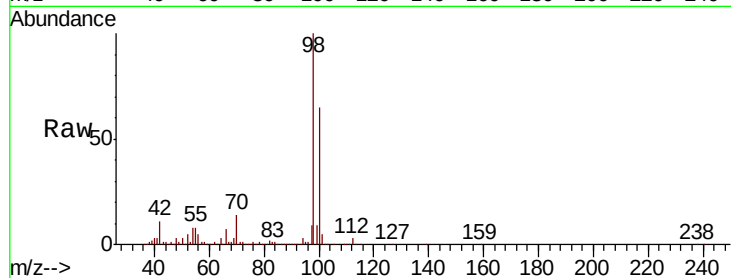
WC-COMP-02

Tot Ion: 98 Resp: 492165

Ion Ratio Lower Upper

98 100

100 64.5 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY0

10.17

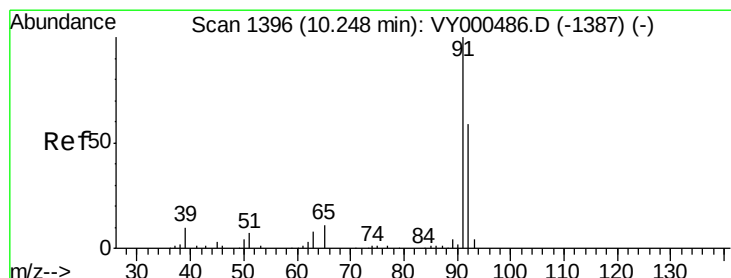
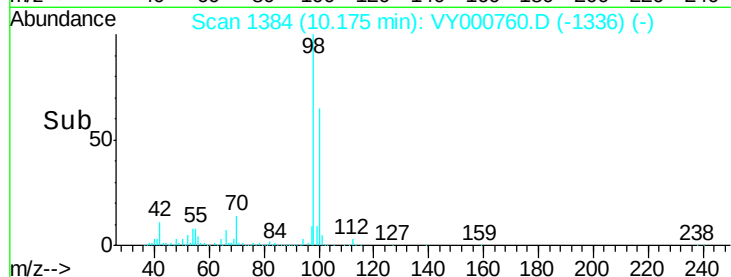
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 3.085 ug/l

RT: 10.24 min Scan# 1395

Delta R.T. -0.01 min

Lab File: VY000760.D

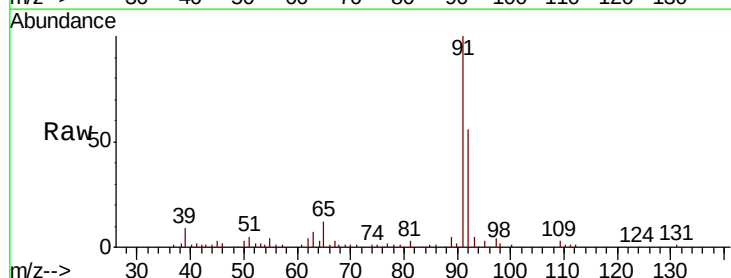
Acq: 21 Nov 2019 08:10

Tgt Ion: 92 Resp: 23307

Ion Ratio Lower Upper

92 100

91 173.0 136.3 204.5



Abundance Ion 92.00 (91.70 to 92.70): VY0

Ion 91.00 (90.70 to 91.70): VY0

10.24

25000

20000

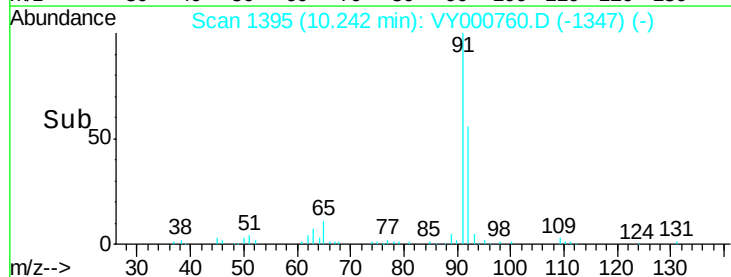
15000

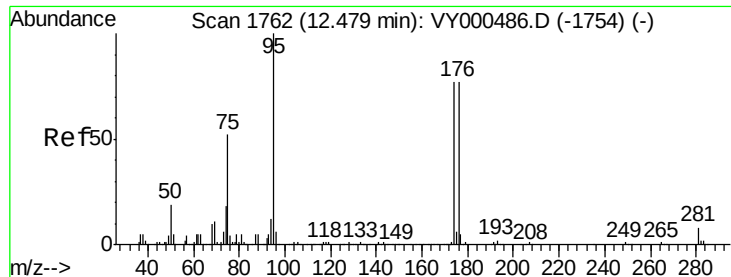
10000

5000

0

Time-->





#62

4-Bromofluorobenzene

Concen: 38.396 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY000760.D

Acq: 21 Nov 2019 08:10

Instrument :

MSVOA_Y

ClientSampleId :

WC-COMP-02

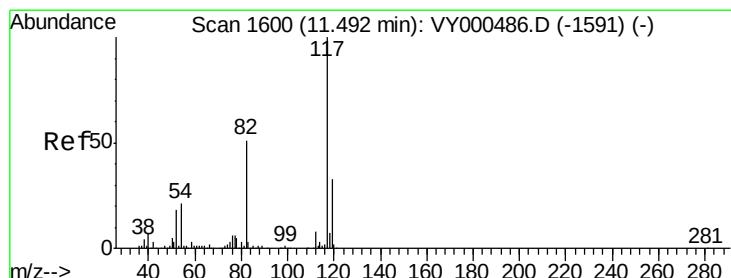
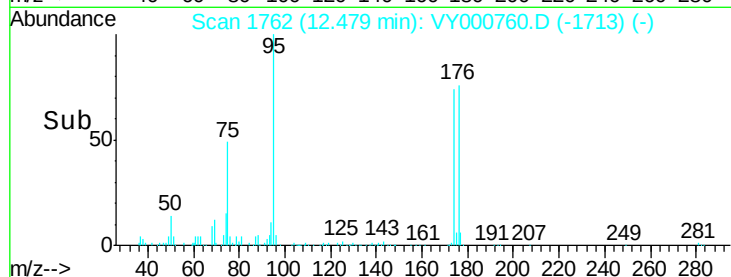
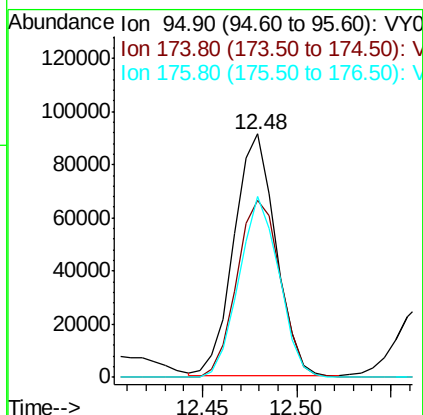
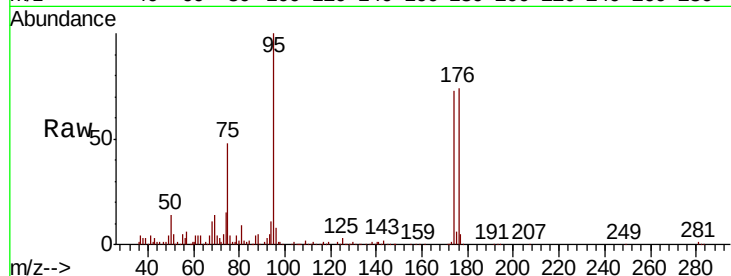
Tot Ion: 95 Resp: 140374

Ion Ratio Lower Upper

95 100

174 76.3 0.0 161.6

176 71.6 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: VY000760.D

Acq: 21 Nov 2019 08:10

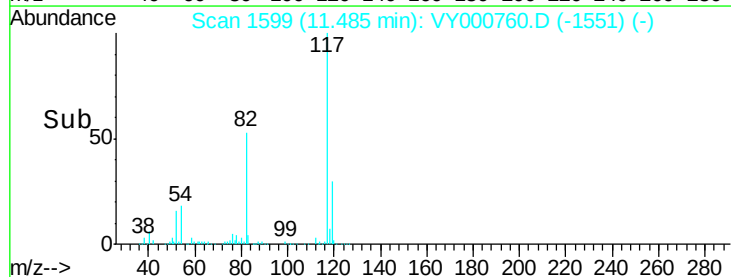
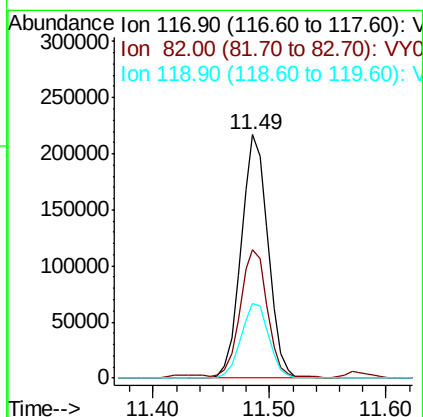
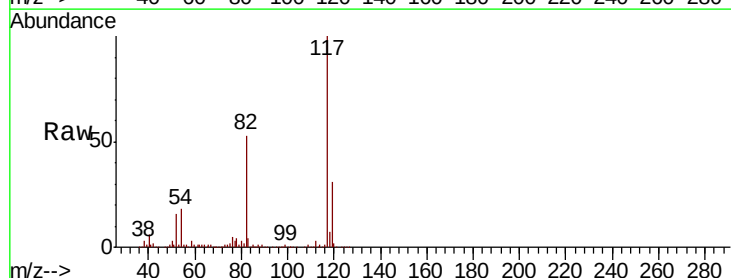
Tgt Ion: 117 Resp: 349012

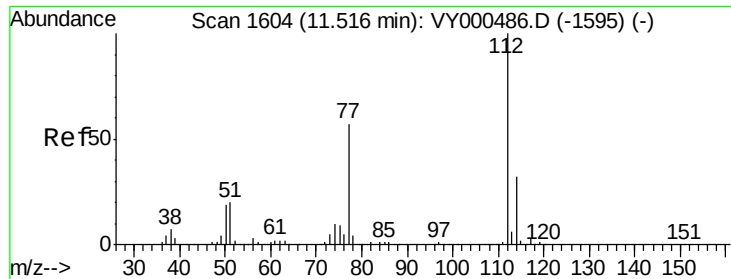
Ion Ratio Lower Upper

117 100

82 52.3 40.8 61.2

119 30.7 26.2 39.2

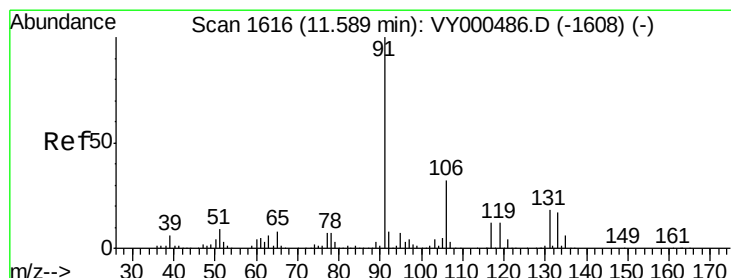
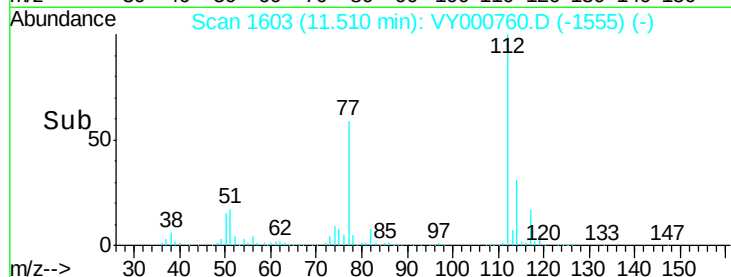
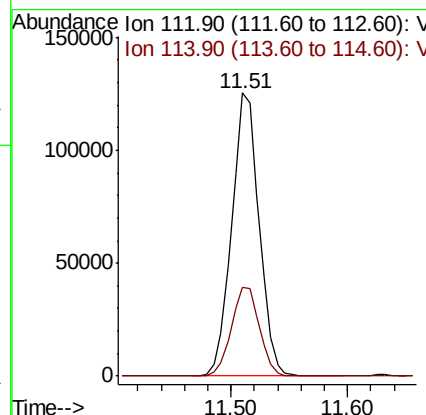
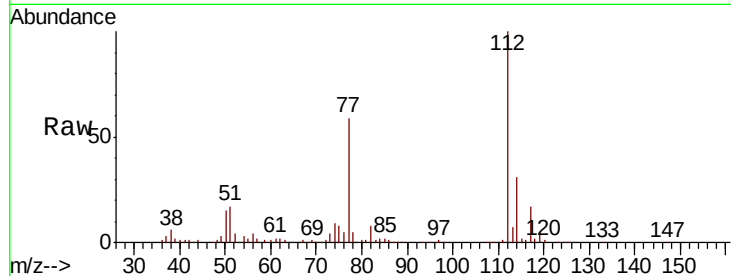




#65
Chlorobenzene
Concen: 29.009 ug/l
RT: 11.51 min Scan# 1603
Delta R.T. -0.01 min
Lab File: VY000760.D
Acq: 21 Nov 2019 08:10

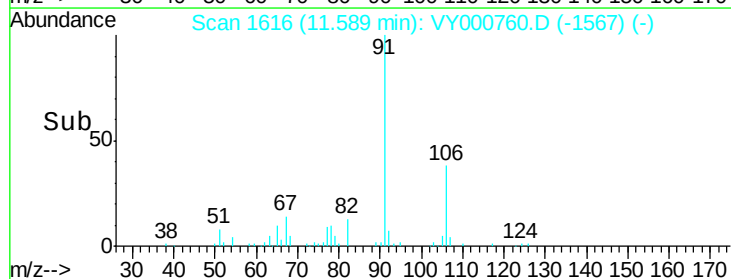
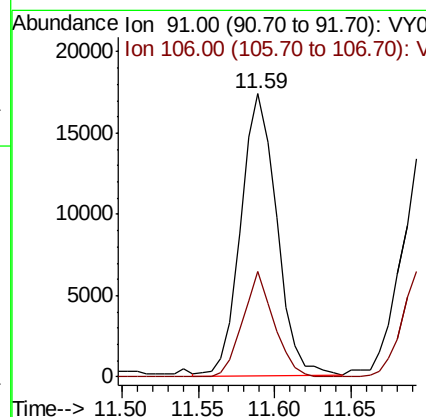
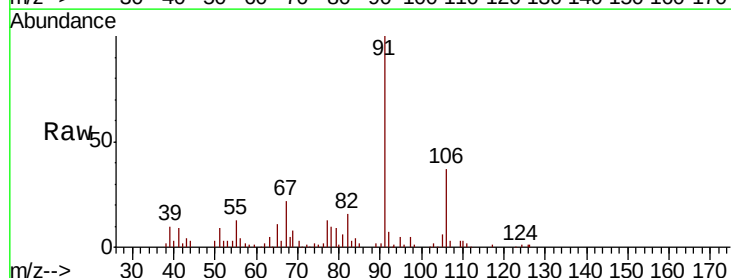
Instrument :
MSVOA_Y
ClientSampleId :
WC-COMP-02

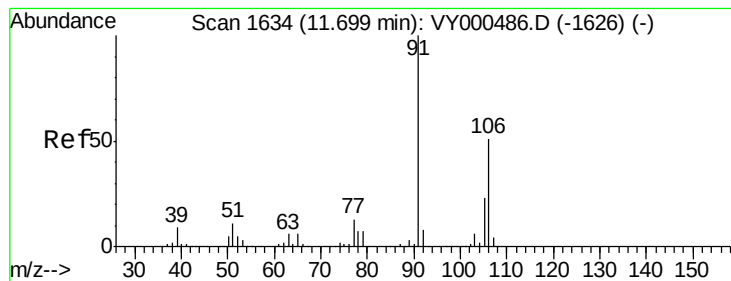
Tot Ion:112 Resp: 205270
Ion Ratio Lower Upper
112 100
114 31.3 25.3 37.9



#67
Ethyl Benzene
Concen: 2.184 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. 0.00 min
Lab File: VY000760.D
Acq: 21 Nov 2019 08:10

Tgt Ion: 91 Resp: 28440
Ion Ratio Lower Upper
91 100
106 37.5 25.4 38.0





#68

m/p-Xylenes

Concen: 2.532 ug/l

RT: 11.70 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VY000760.D

Acq: 21 Nov 2019 08:10

Instrument :

MSVOA_Y

ClientSampled :

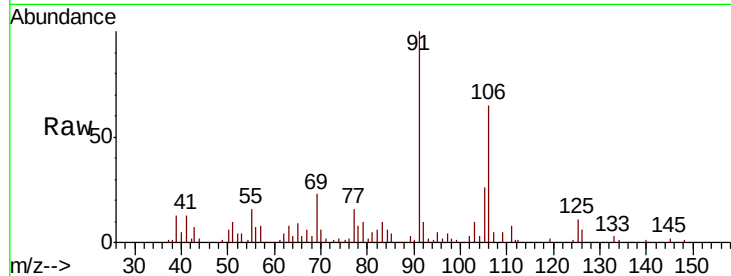
WC-COMP-02

Tot Ion:106 Resp: 12762

Ion Ratio Lower Upper

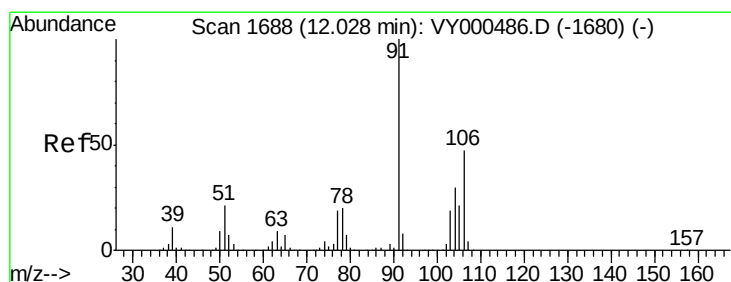
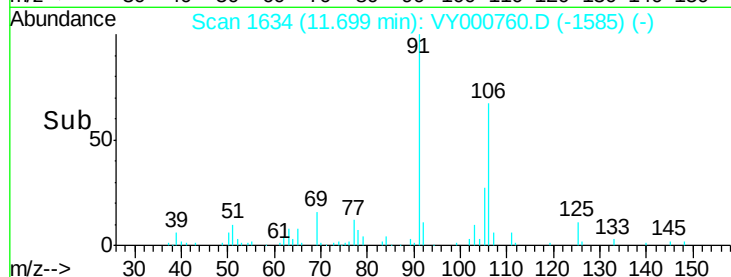
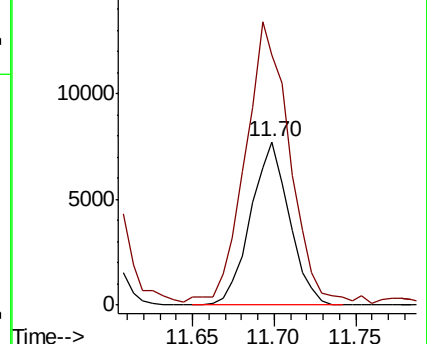
106 100

91 198.3 155.9 233.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0



#69

o-Xylene

Concen: 2.068 ug/l

RT: 12.03 min Scan# 1688

Delta R.T. 0.00 min

Lab File: VY000760.D

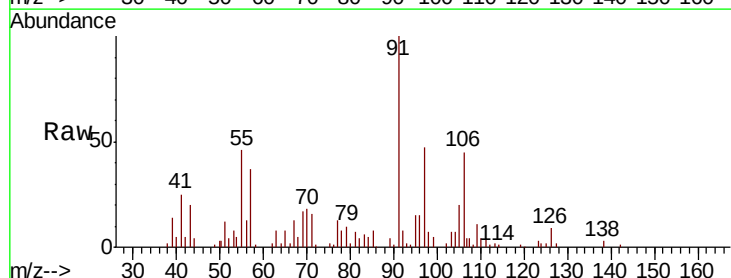
Acq: 21 Nov 2019 08:10

Tgt Ion:106 Resp: 9798

Ion Ratio Lower Upper

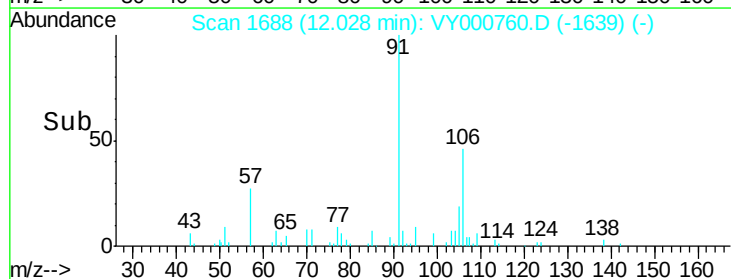
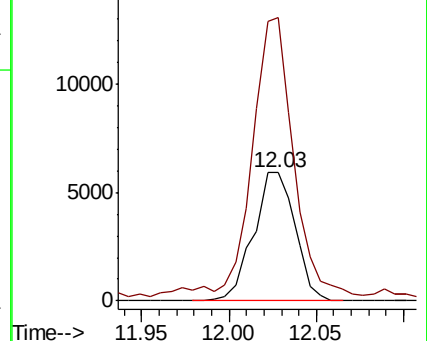
106 100

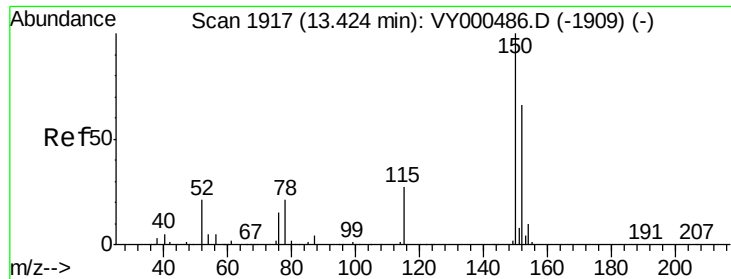
91 207.3 106.5 319.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0



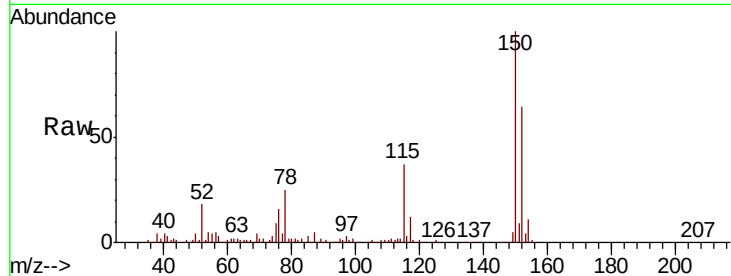


#72

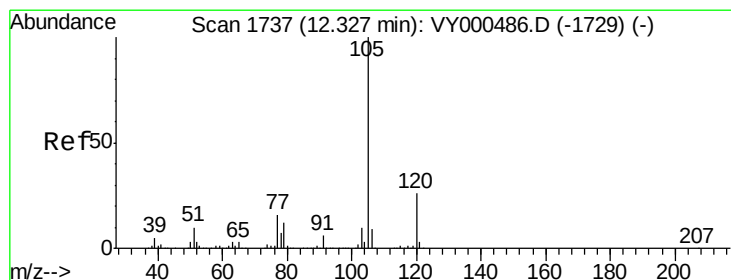
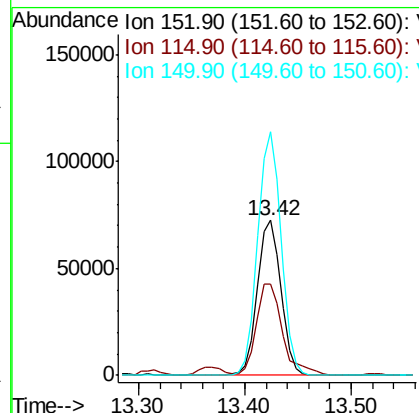
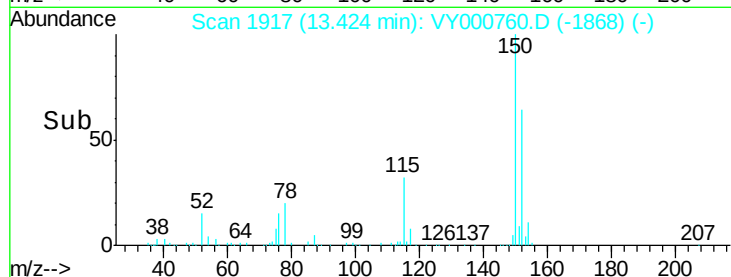
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. 0.00 min
Lab File: VY000760.D
Acq: 21 Nov 2019 08:10

Instrument :
MSVOA_Y
ClientSampleId :
WC-COMP-02

Tot Ion:152 Resp: 113257
Ion Ratio Lower Upper
152 100
115 65.1 29.1 87.4
150 155.9 0.0 348.8



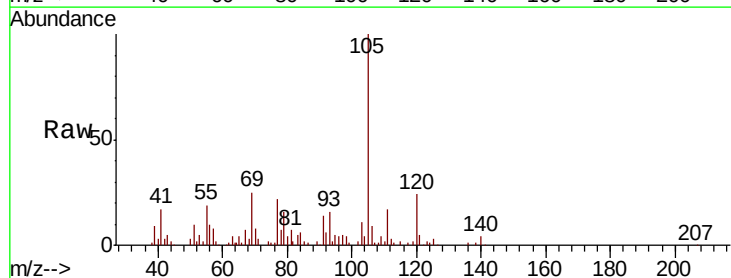
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



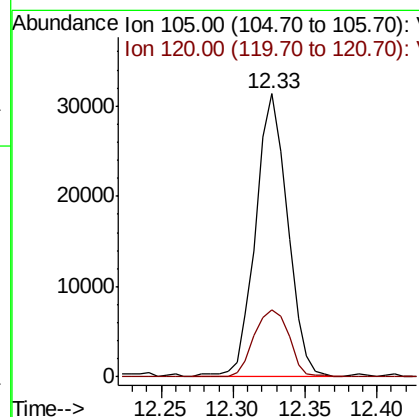
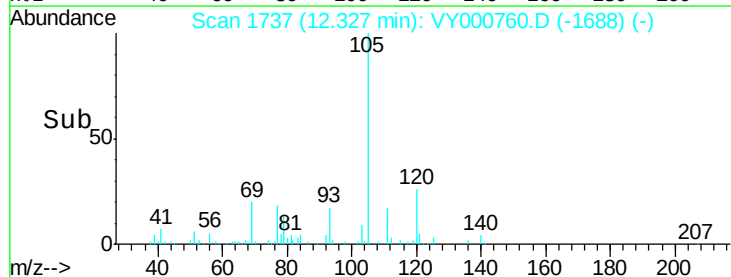
#73

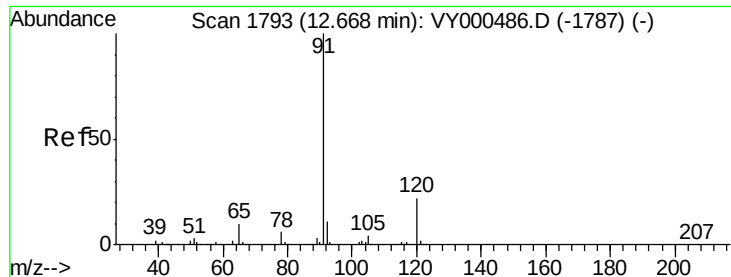
Isopropylbenzene
Concen: 5.732 ug/l
RT: 12.33 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VY000760.D
Acq: 21 Nov 2019 08:10

Tgt Ion:105 Resp: 47981
Ion Ratio Lower Upper
105 100
120 26.2 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 4.640 ug/l

RT: 12.67 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VY000760.D

Acq: 21 Nov 2019 08:10

Instrument :

MSVOA_Y

ClientSampleId :

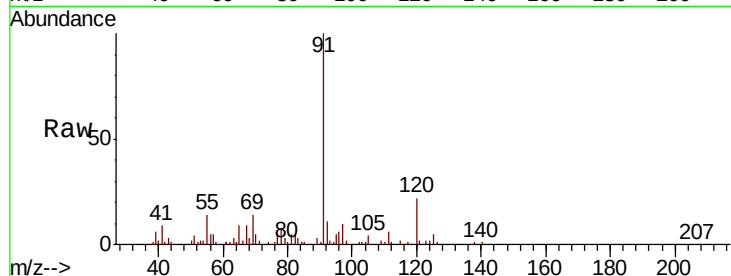
WC-COMP-02

Tot Ion: 91 Resp: 46867

Ion Ratio Lower Upper

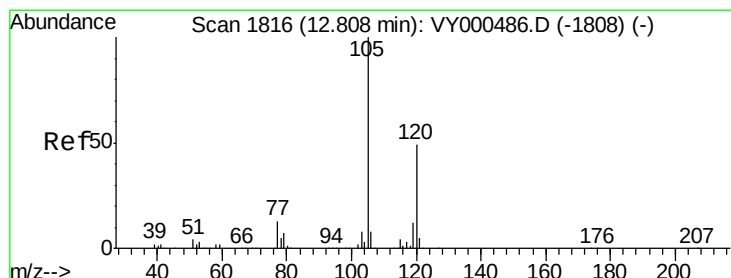
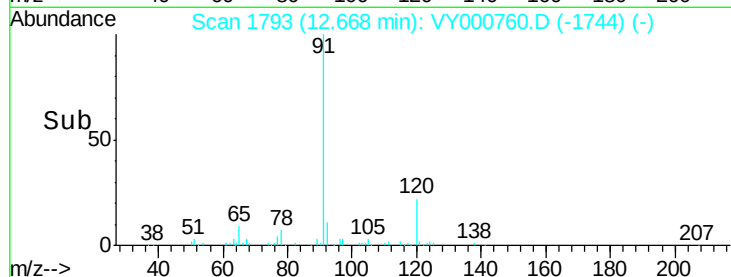
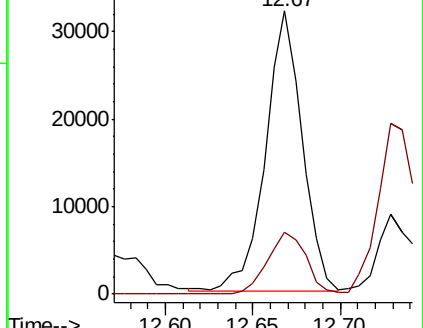
91 100

120 23.3 11.4 34.1



Abundance Ion 91.00 (90.70 to 91.70): VY000760.D (-1744) (-)

Ion 120.00 (119.70 to 120.70): VY000760.D (-1744) (-)



#80

1,3,5-Trimethylbenzene

Concen: 14.635 ug/l

RT: 12.81 min Scan# 1816

Delta R.T. 0.00 min

Lab File: VY000760.D

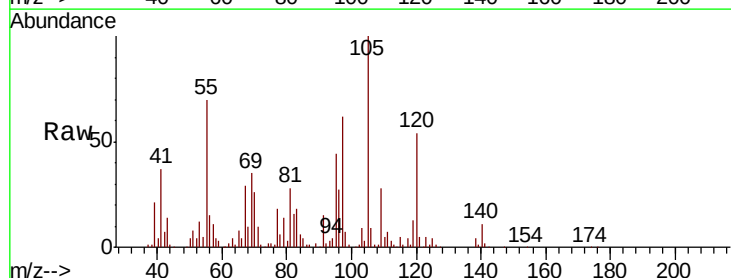
Acq: 21 Nov 2019 08:10

Tgt Ion: 105 Resp: 102025

Ion Ratio Lower Upper

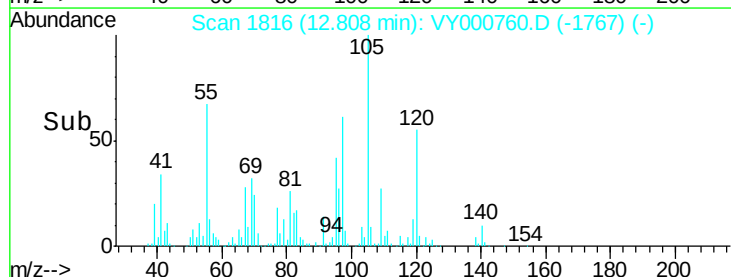
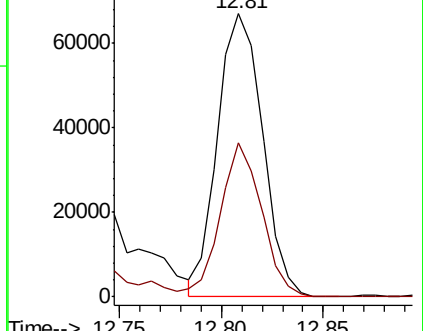
105 100

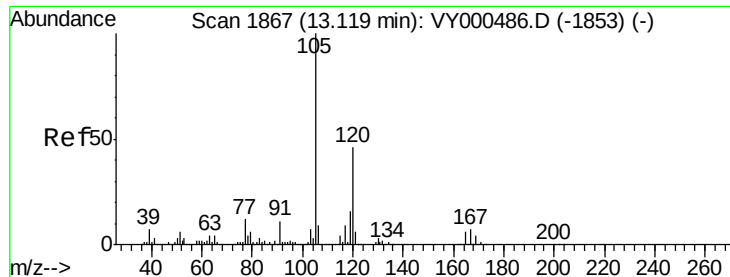
120 50.4 24.9 74.8



Abundance Ion 105.00 (104.70 to 105.70): VY000760.D (-1767) (-)

Ion 120.00 (119.70 to 120.70): VY000760.D (-1767) (-)

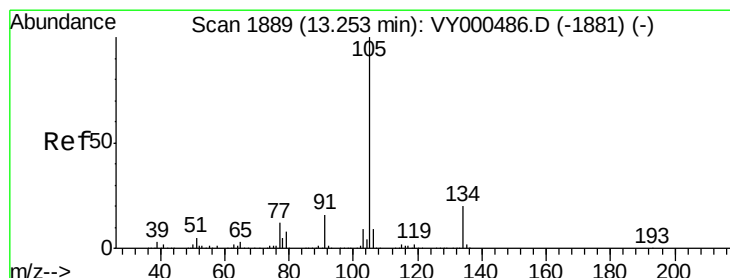
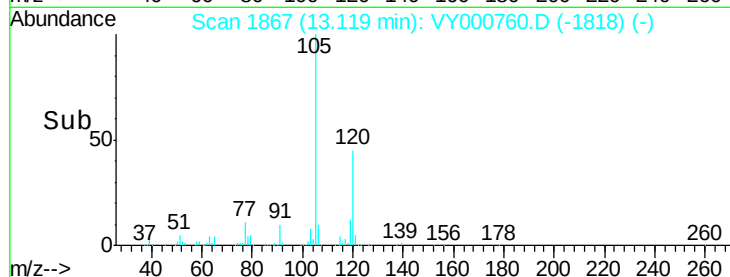
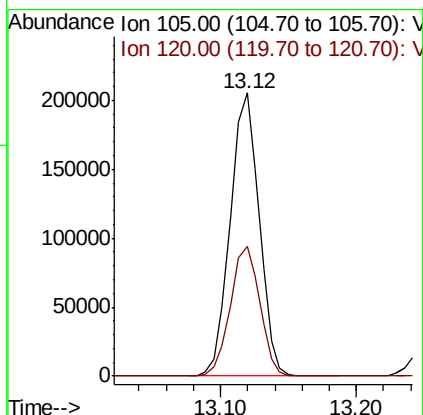
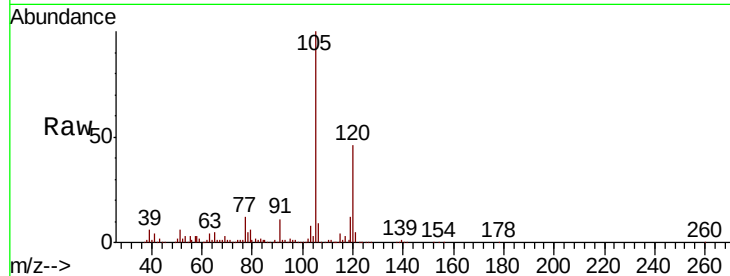




#84
 1,2,4-Trimethylbenzene
 Concen: 43.891 ug/l
 RT: 13.12 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VY000760.D
 Acq: 21 Nov 2019 08:10

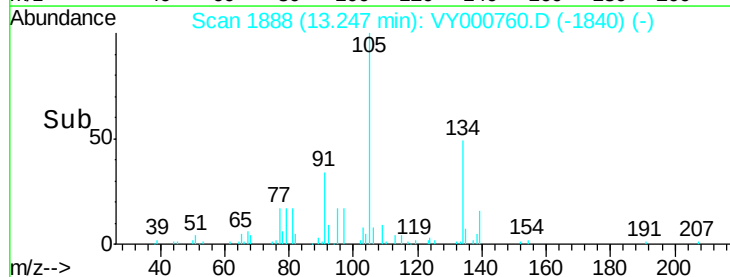
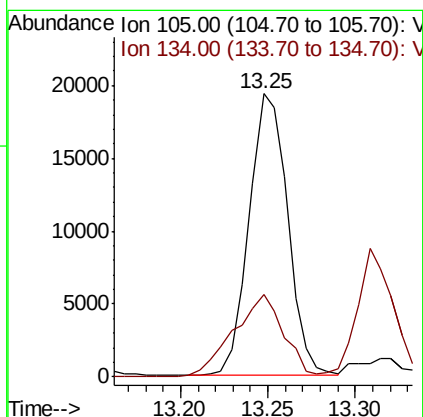
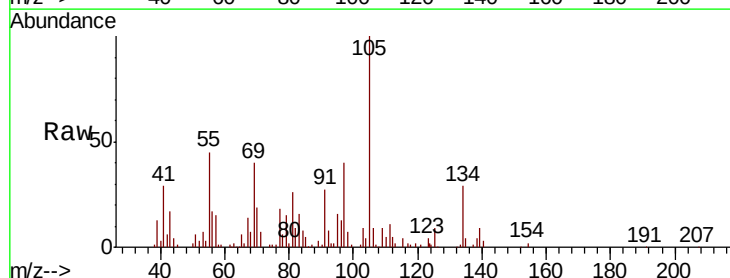
Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-COMP-02

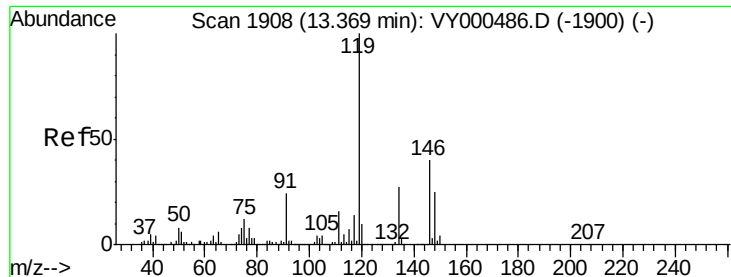
Tot Ion:105 Resp: 304656
 Ion Ratio Lower Upper
 105 100
 120 46.5 23.3 69.9



#85
 sec-Butylbenzene
 Concen: 3.510 ug/l
 RT: 13.25 min Scan# 1888
 Delta R.T. -0.01 min
 Lab File: VY000760.D
 Acq: 21 Nov 2019 08:10

Tgt Ion:105 Resp: 29769
 Ion Ratio Lower Upper
 105 100
 134 37.9 10.1 30.1#

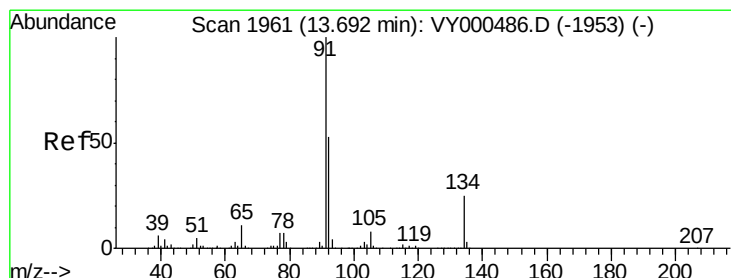
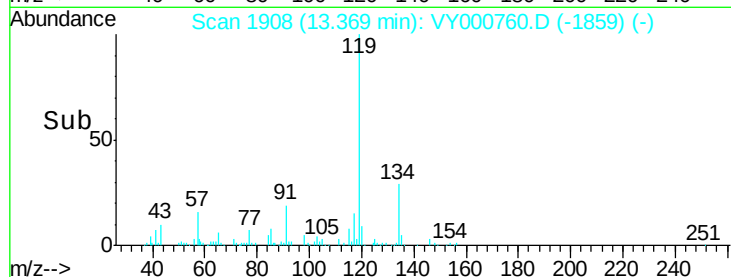
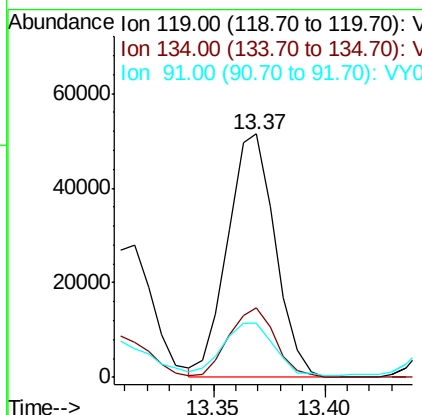
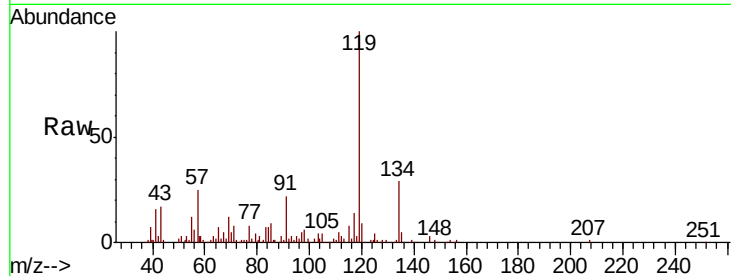




#86
 p-Isopropyltoluene
 Concen: 10.126 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. 0.00 min
 Lab File: VY000760.D
 Acq: 21 Nov 2019 08:10

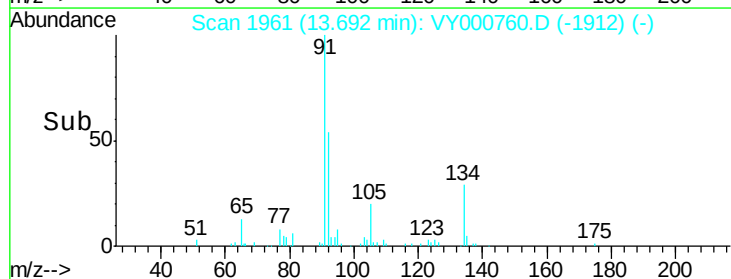
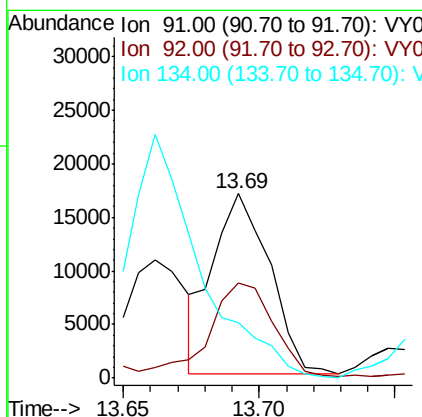
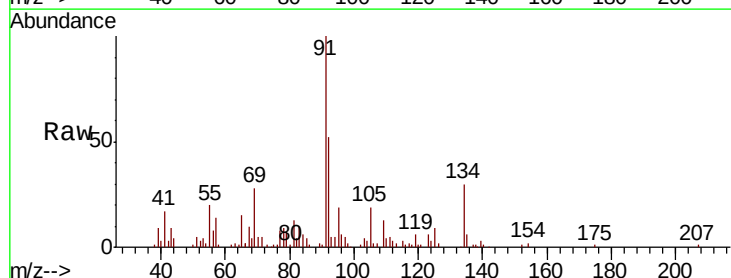
Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-COMP-02

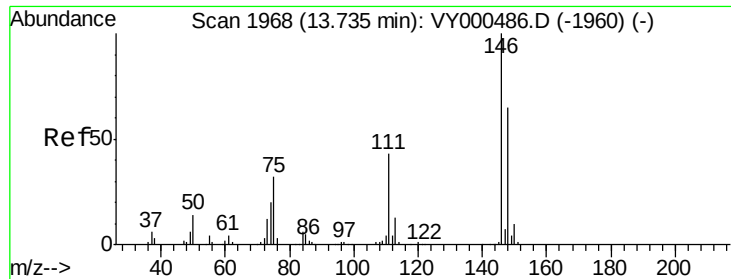
Tot Ion:119 Resp: 76535
 Ion Ratio Lower Upper
 119 100
 134 27.8 13.6 40.8
 91 23.0 12.0 36.1



#89
 n-Butylbenzene
 Concen: 3.244 ug/l
 RT: 13.69 min Scan# 1961
 Delta R.T. 0.00 min
 Lab File: VY000760.D
 Acq: 21 Nov 2019 08:10

Tgt Ion: 91 Resp: 24185
 Ion Ratio Lower Upper
 91 100
 92 62.6 26.8 80.3
 134 0.0 12.9 38.7#

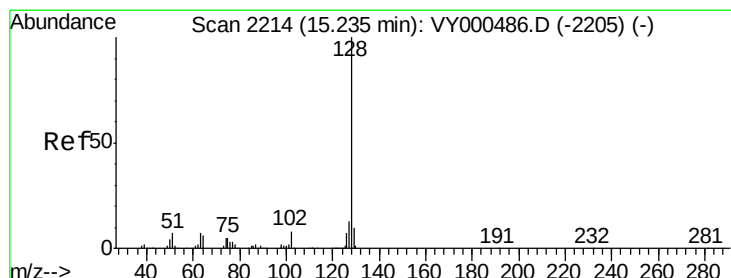
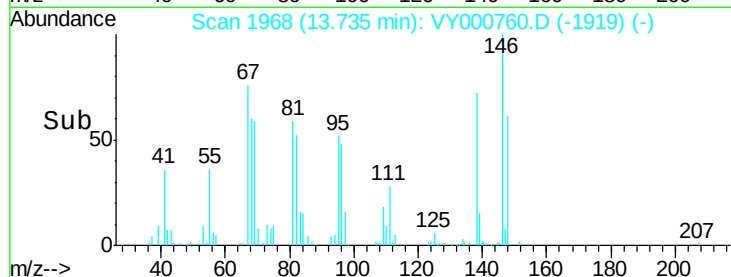
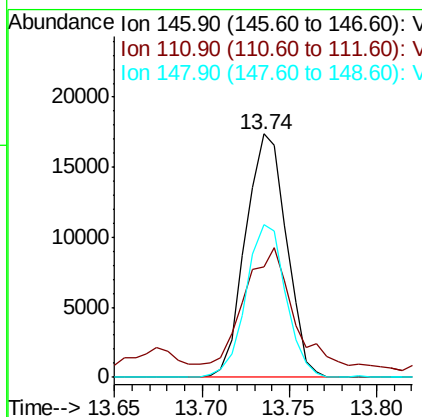
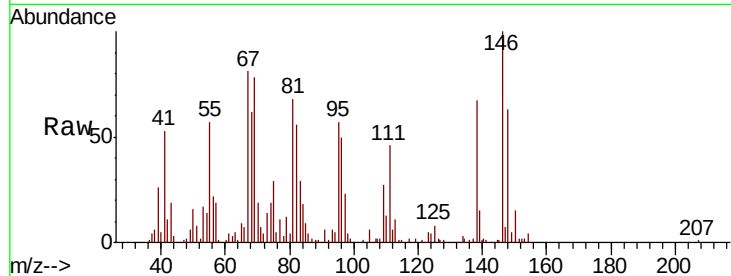




#91
 1,2-Dichlorobenzene
 Concen: 8.382 ug/l
 RT: 13.74 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VY000760.D
 Acq: 21 Nov 2019 08:10

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-COMP-02

Tot Ion:146 Resp: 28274
 Ion Ratio Lower Upper
 146 100
 111 62.5 20.5 61.5#
 148 61.1 31.7 95.1



#95
 Naphthalene
 Concen: 10.044 ug/l
 RT: 15.23 min Scan# 2214
 Delta R.T. 0.00 min
 Lab File: VY000760.D
 Acq: 21 Nov 2019 08:10

Tgt Ion:128 Resp: 51213
 Ion Ratio Lower Upper
 128 100
 127 13.2 9.8 14.6
 129 14.4 8.7 13.1#

