

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY112019\
 Data File : VY000759.D
 Acq On : 20 Nov 2019 18:00
 Operator : SY/MD
 Sample : K5933-04
 Misc : 6.47G/5ML/MSVOA Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-COMP-01

Quant Time: Nov 21 08:23:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y103019S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 13:30:53 2019
 Response via : Initial Calibration

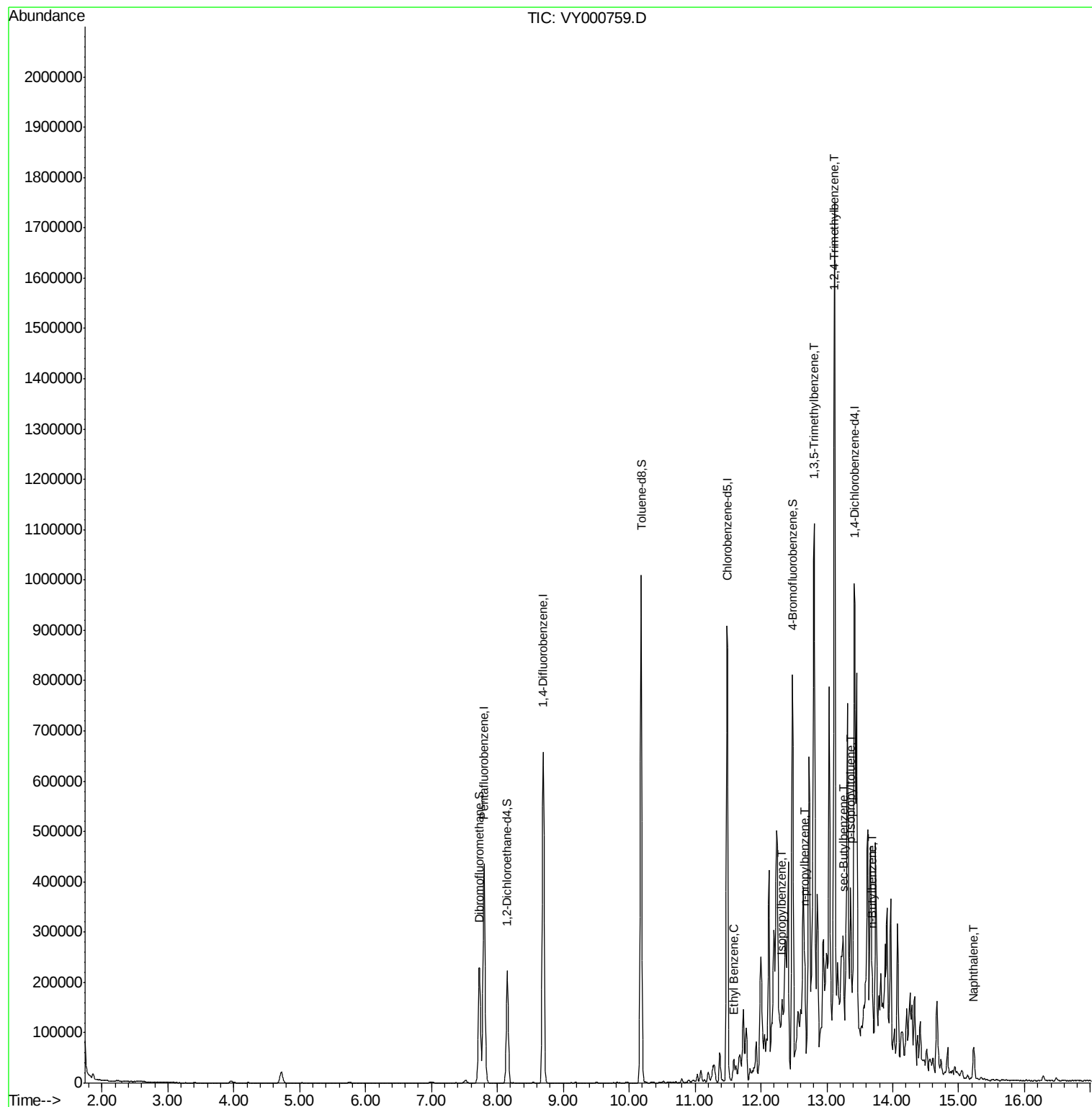
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	338893	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	590215	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	516639	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	236679	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	171139	48.80	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.60%	
35) Dibromofluoromethane	7.72	113	168808	48.72	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.44%	
50) Toluene-d8	10.18	98	688398	52.36	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.72%	
62) 4-Bromofluorobenzene	12.48	95	238950	47.74	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.48%	
Target Compounds						
67) Ethyl Benzene	11.59	91	27547	1.429	ug/l	94
73) Isopropylbenzene	12.33	105	33657	1.924	ug/l	98
78) n-propylbenzene	12.67	91	132485	6.277	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	285873	19.623	ug/l	100
84) 1,2,4-Trimethylbenzene	13.11	105	889805	61.343	ug/l	99
85) sec-Butylbenzene	13.25	105	67668	3.818	ug/l #	69
86) p-Isopropyltoluene	13.36	119	69389	4.393	ug/l	97
89) n-Butylbenzene	13.69	91	66115	4.244	ug/l #	77
95) Naphthalene	15.23	128	53424	5.014	ug/l	96

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.01 min

Lab File: VY000759.D

Acq: 20 Nov 2019 18:00

Instrument :

MSVOA_Y

ClientSampleId :

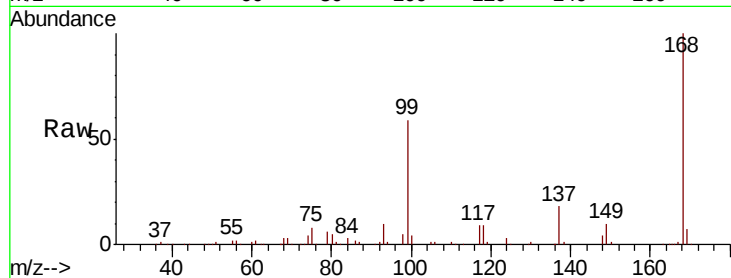
WC-COMP-01

Tot Ion:168 Resp: 338893

Ion Ratio Lower Upper

168 100

99 59.2 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): VY000486.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY000486.D (-985) (-)

7.80

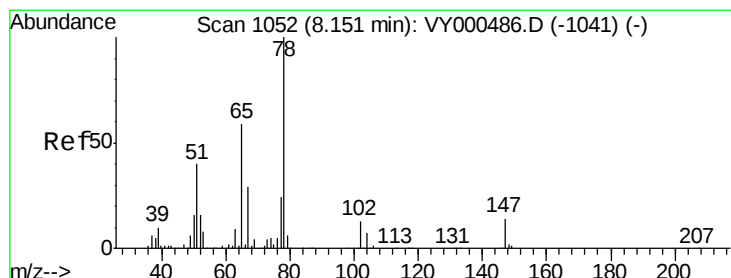
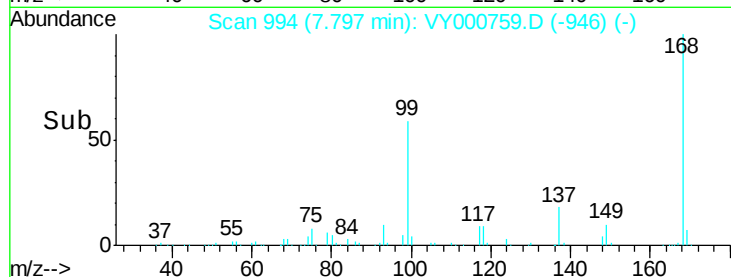
150000

100000

50000

0

Time-->



#33

1,2-Dichloroethane-d4

Concen: 48.798 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.00 min

Lab File: VY000759.D

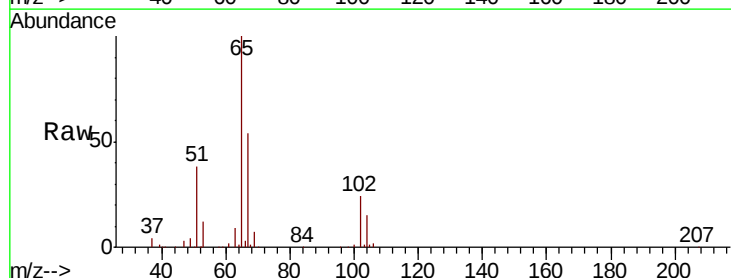
Acq: 20 Nov 2019 18:00

Tgt Ion: 65 Resp: 171139

Ion Ratio Lower Upper

65 100

67 54.1 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VY000486.D (-1041) (-)

Ion 66.90 (66.60 to 67.60): VY000486.D (-1041) (-)

8.15

80000

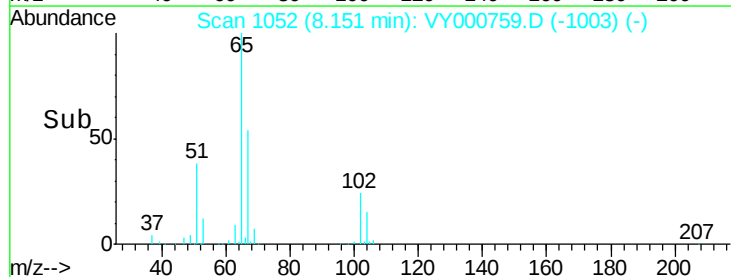
60000

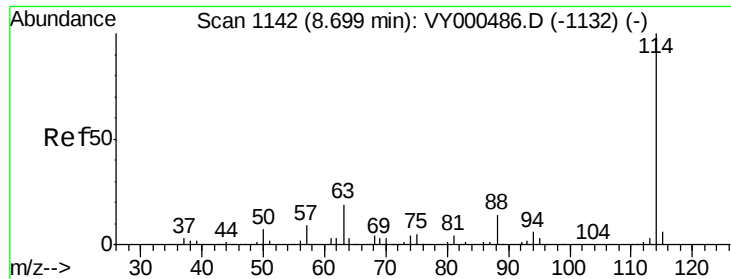
40000

20000

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Time-->

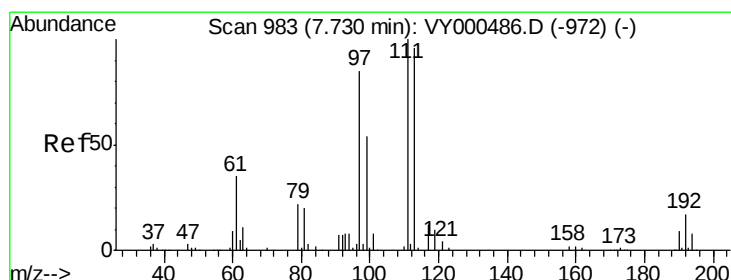
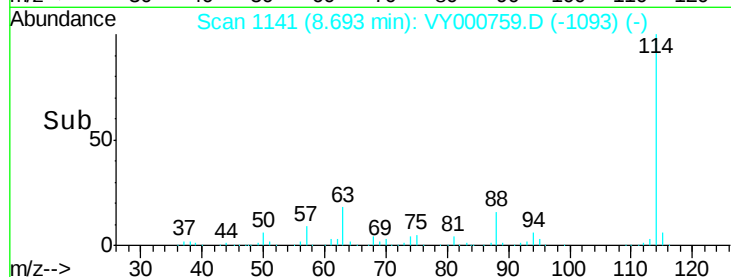
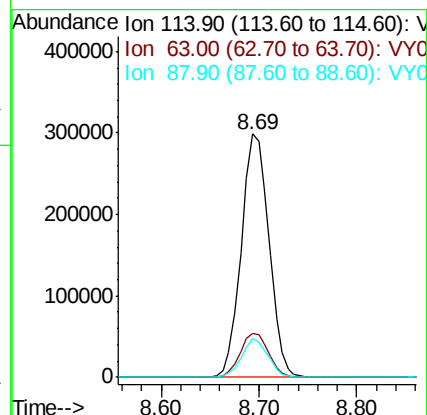
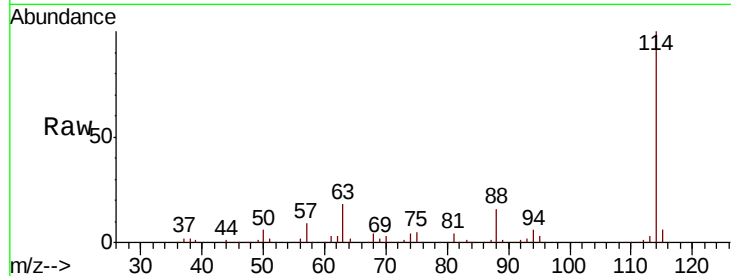




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.69 min Scan# 1141
Delta R.T. -0.01 min
Lab File: VY000759.D
Acq: 20 Nov 2019 18:00

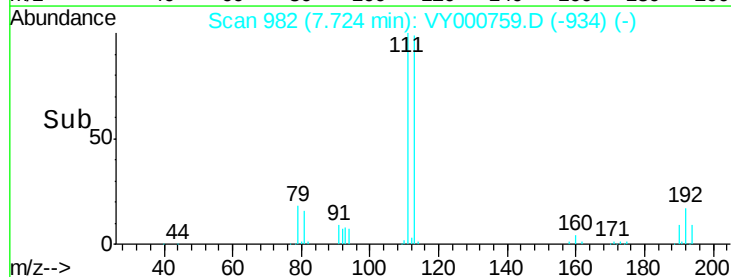
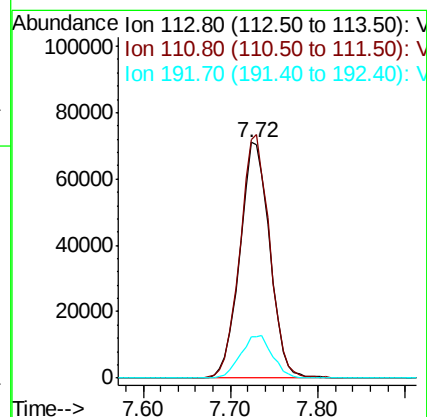
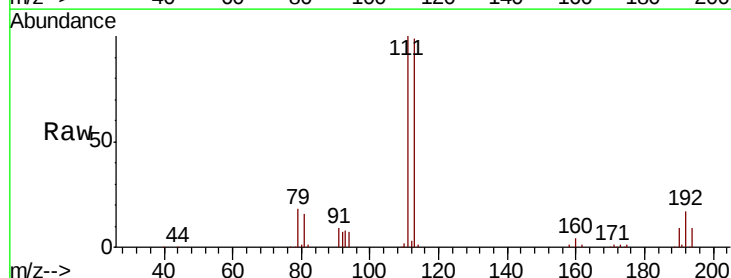
Instrument :
MSVOA_Y
ClientSampleId :
WC-COMP-01

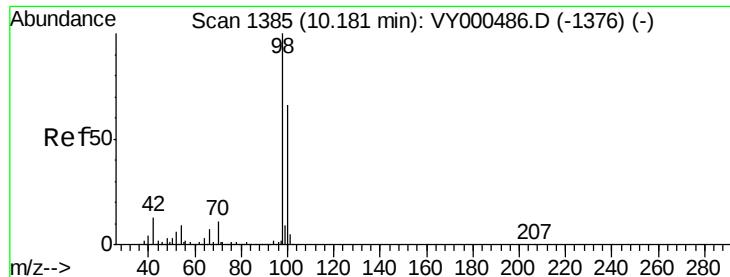
Tot Ion:	114	Resp:	590215
Ion	Ratio	Lower	Upper
114	100		
63	18.2	0.0	38.0
88	15.7	0.0	28.6



#35
Dibromofluoromethane
Concen: 48.719 ug/l
RT: 7.72 min Scan# 982
Delta R.T. -0.01 min
Lab File: VY000759.D
Acq: 20 Nov 2019 18:00

Tgt Ion:	113	Resp:	168808
Ion	Ratio	Lower	Upper
113	100		
111	102.2	81.7	122.5
192	19.0	15.0	22.4





#50

Toluene-d8

Concen: 52.359 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY000759.D

Acq: 20 Nov 2019 18:00

Instrument :

MSVOA_Y

ClientSampleId :

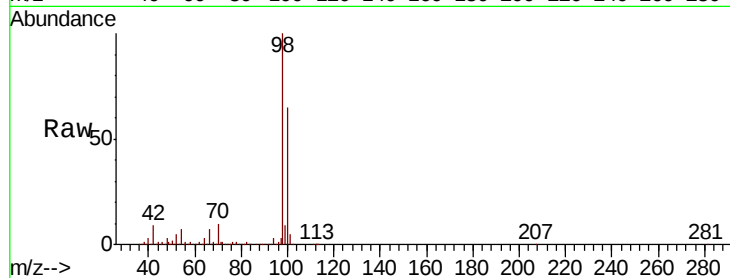
WC-COMP-01

Tot Ion: 98 Resp: 688398

Ion Ratio Lower Upper

98 100

100 65.1 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VY000486.D (-1376) (-)

Ion 100.00 (99.70 to 100.70): VY000486.D (-1376) (-)

10.18

400000

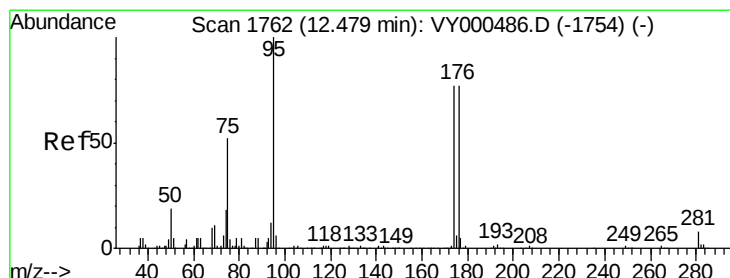
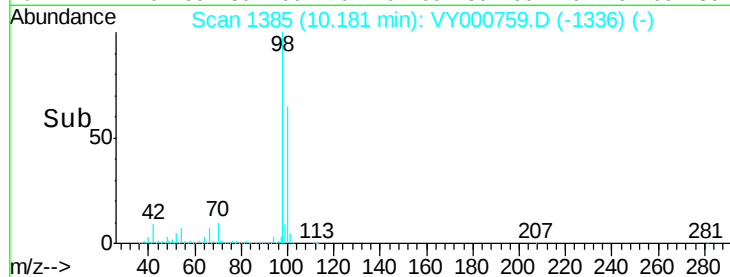
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 47.740 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY000759.D

Acq: 20 Nov 2019 18:00

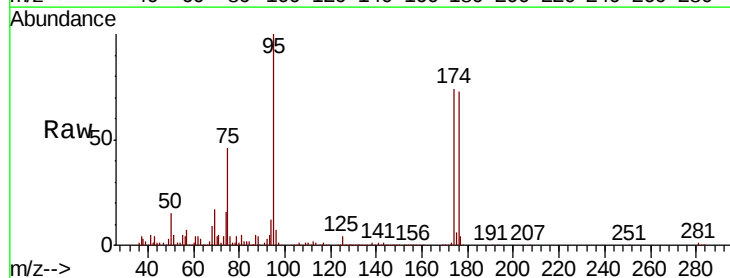
Tgt Ion: 95 Resp: 238950

Ion Ratio Lower Upper

95 100

174 75.1 0.0 161.6

176 74.1 0.0 157.8



Abundance Ion 94.90 (94.60 to 95.60): VY000486.D (-1754) (-)

Ion 173.80 (173.50 to 174.50): VY000486.D (-1754) (-)

Ion 175.80 (175.50 to 176.50): VY000486.D (-1754) (-)

12.48

200000

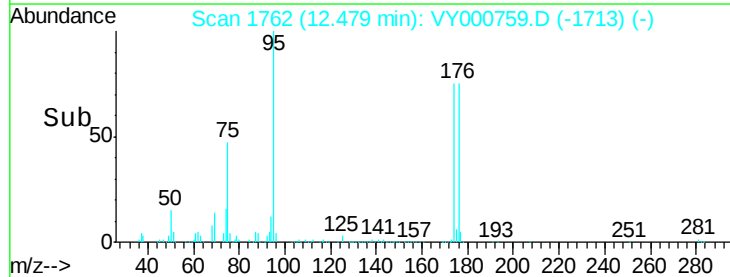
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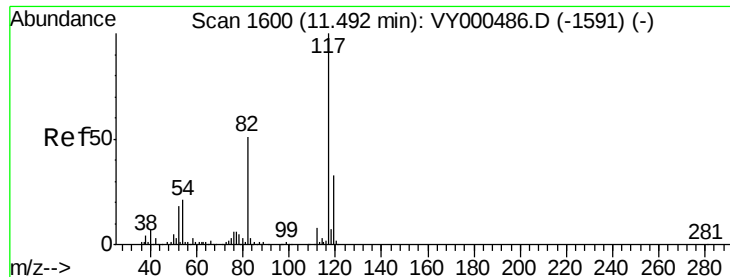
100000

50000

0

Time-->

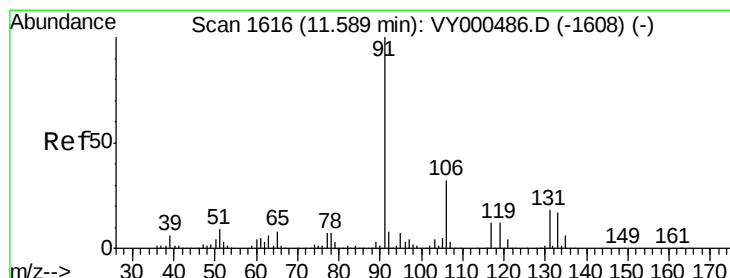
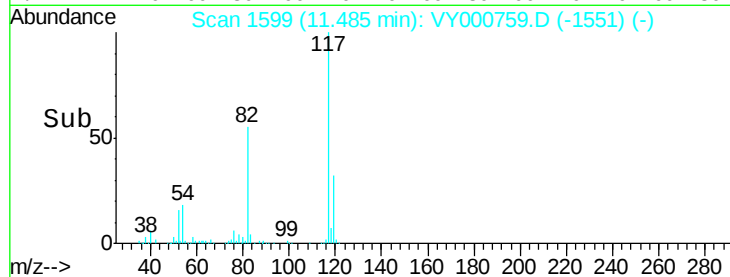
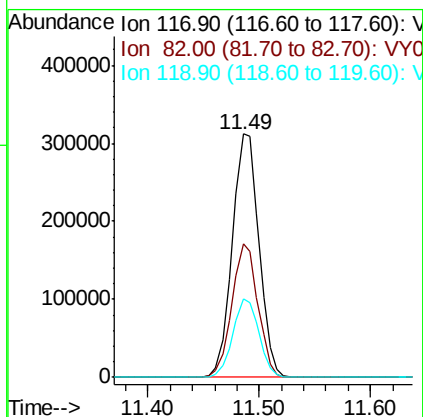
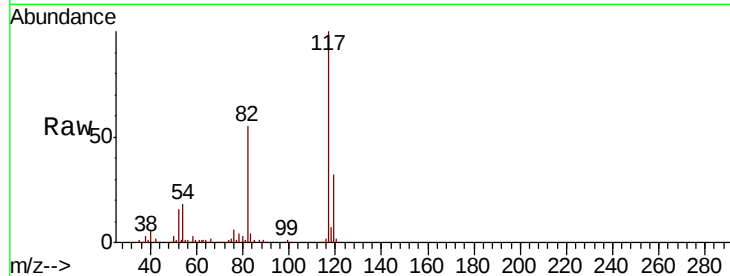




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VY000759.D
Acq: 20 Nov 2019 18:00

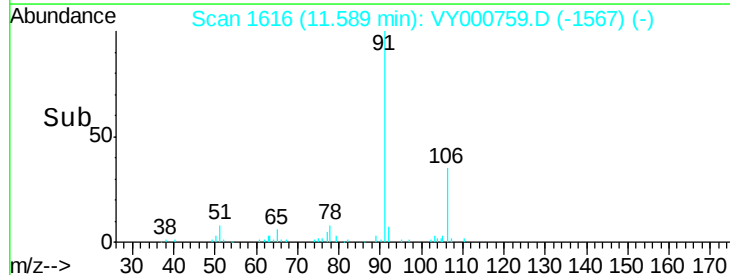
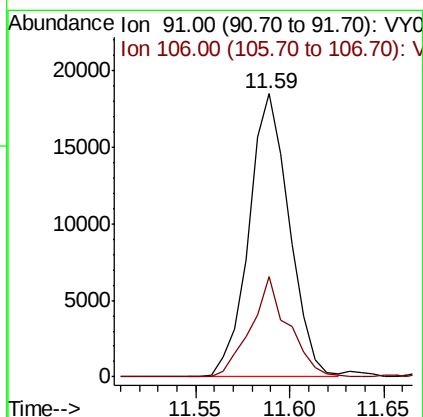
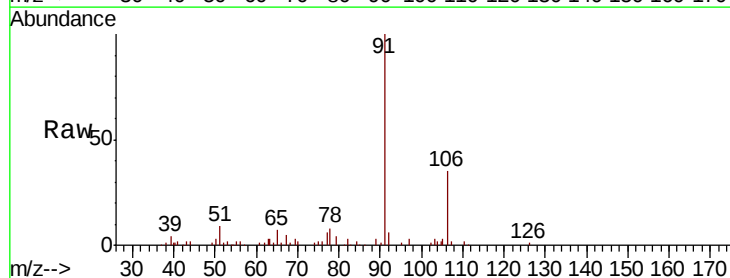
Instrument :
MSVOA_Y
ClientSampleId :
WC-COMP-01

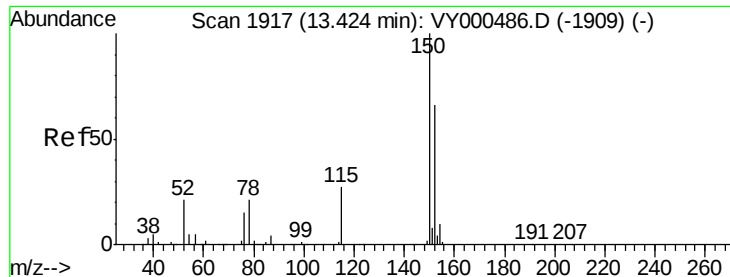
Tot Ion:117 Resp: 516639
Ion Ratio Lower Upper
117 100
82 54.6 40.8 61.2
119 32.2 26.2 39.2



#67
Ethyl Benzene
Concen: 1.429 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. -0.00 min
Lab File: VY000759.D
Acq: 20 Nov 2019 18:00

Tgt Ion: 91 Resp: 27547
Ion Ratio Lower Upper
91 100
106 35.2 25.4 38.0



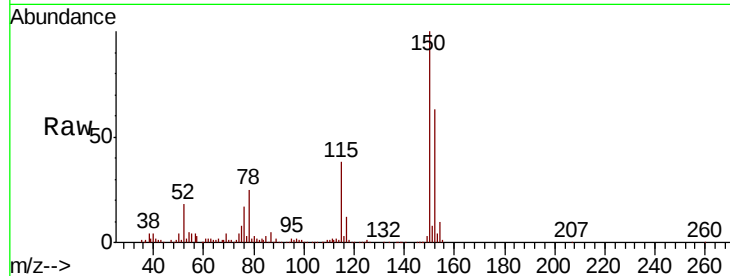


#72

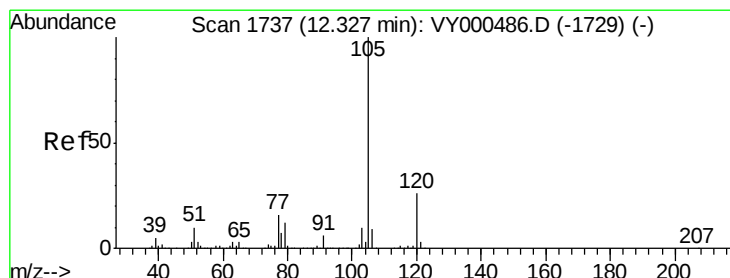
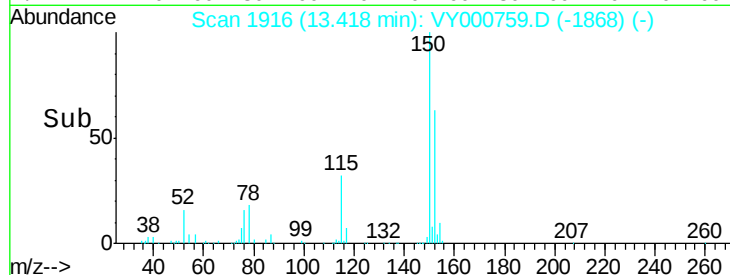
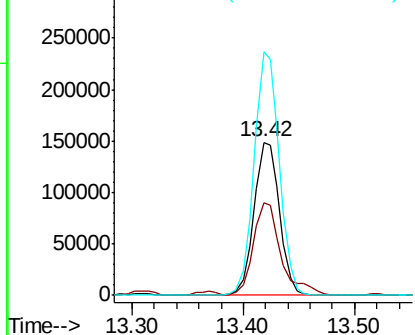
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1916
Delta R.T. -0.01 min
Lab File: VY000759.D
Acq: 20 Nov 2019 18:00

Instrument :
MSVOA_Y
ClientSampleId :
WC-COMP-01

Tot Ion:152 Resp: 236679
Ion Ratio Lower Upper
152 100
115 65.9 29.1 87.4
150 156.4 0.0 348.8



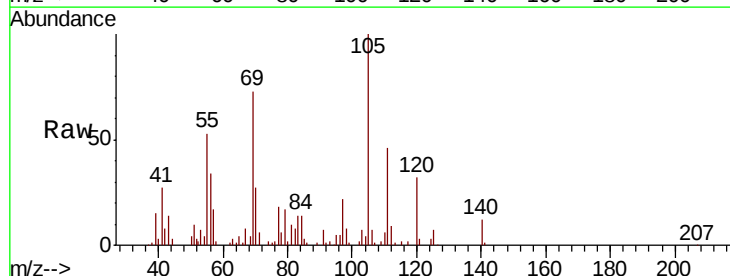
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



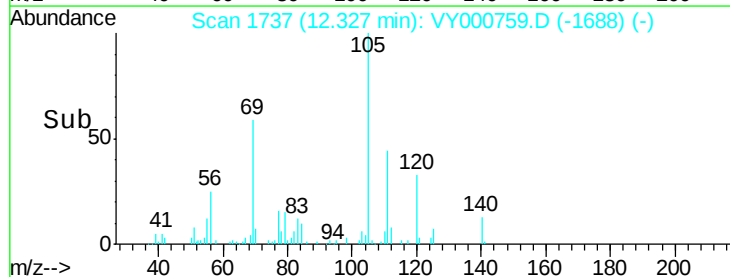
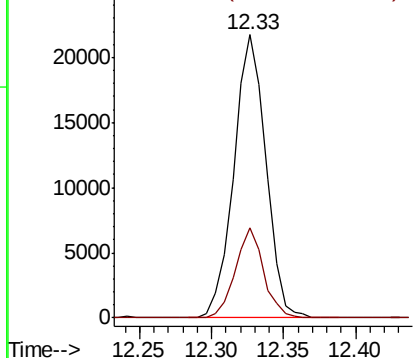
#73

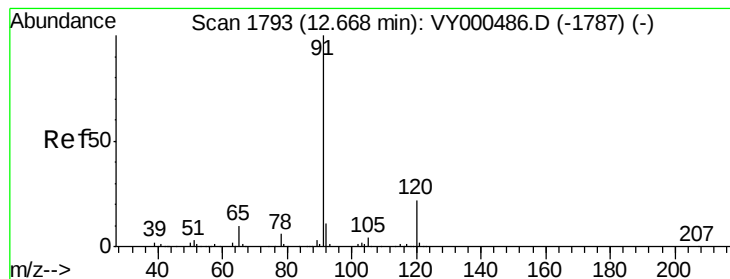
Isopropylbenzene
Concen: 1.924 ug/l
RT: 12.33 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VY000759.D
Acq: 20 Nov 2019 18:00

Tgt Ion:105 Resp: 33657
Ion Ratio Lower Upper
105 100
120 28.1 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: 6.277 ug/l

RT: 12.67 min Scan# 1793

Delta R.T. -0.00 min

Lab File: VY000759.D

Acq: 20 Nov 2019 18:00

Instrument :

MSVOA_Y

ClientSampleId :

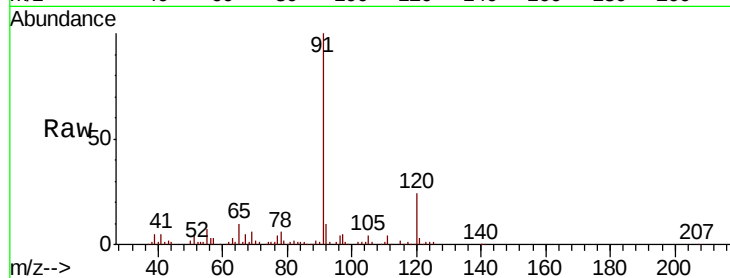
WC-COMP-01

Tot Ion: 91 Resp: 132485

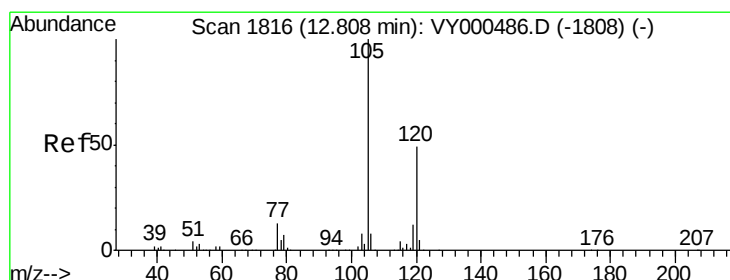
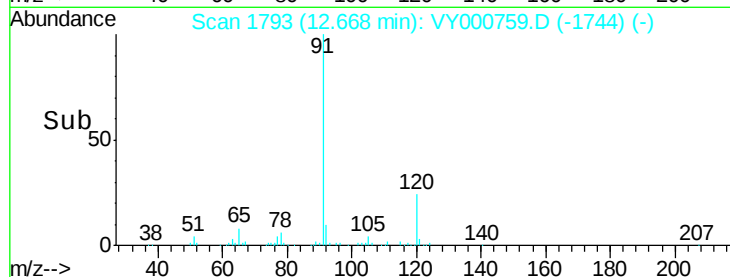
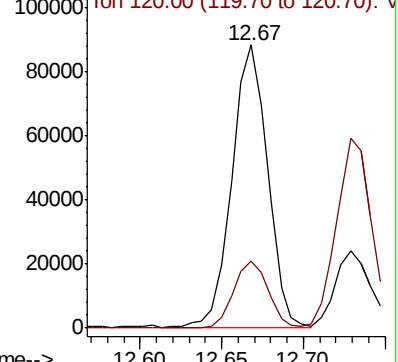
Ion Ratio Lower Upper

91 100

120 23.2 11.4 34.1



Abundance Ion 91.00 (90.70 to 91.70): VY000759.D (-1744) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.623 ug/l

RT: 12.81 min Scan# 1816

Delta R.T. -0.00 min

Lab File: VY000759.D

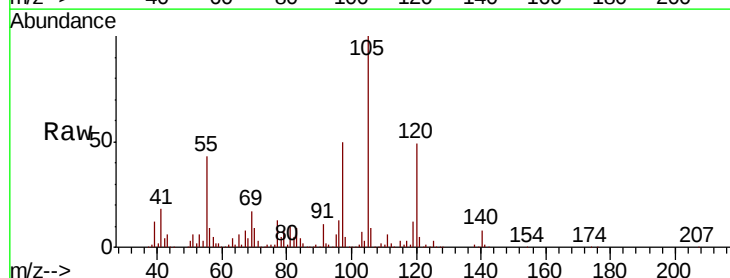
Acq: 20 Nov 2019 18:00

Tgt Ion:105 Resp: 285873

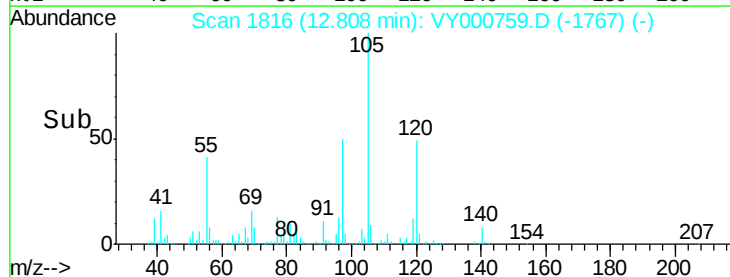
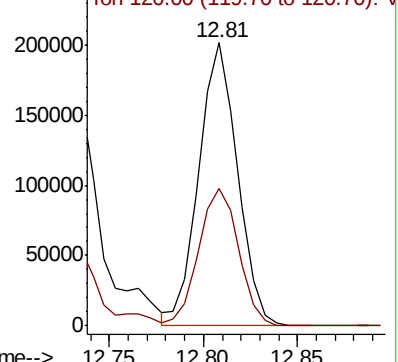
Ion Ratio Lower Upper

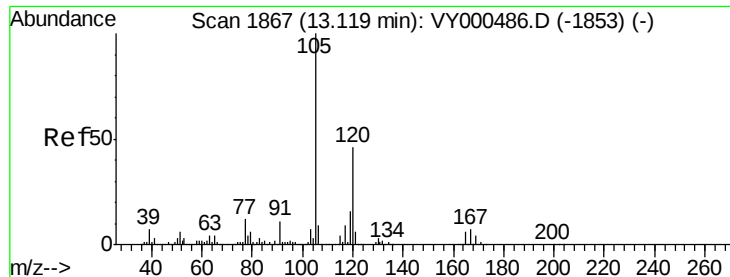
105 100

120 50.2 24.9 74.8



Abundance Ion 105.00 (104.70 to 105.70): VY000759.D (-1767) (-)

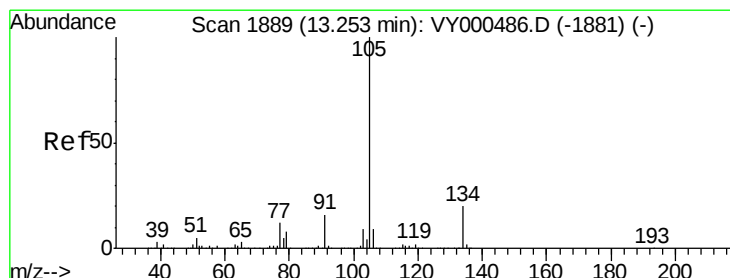
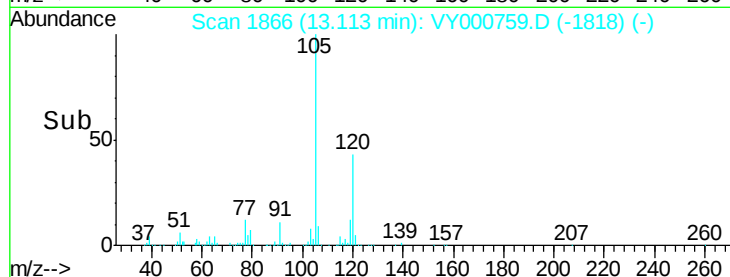
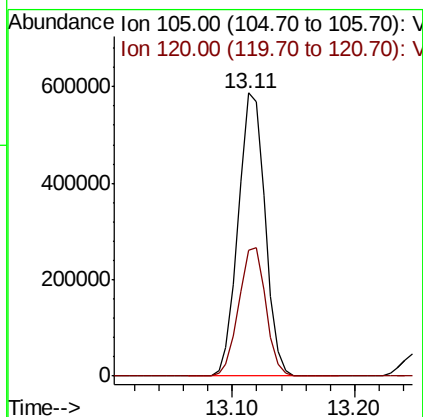
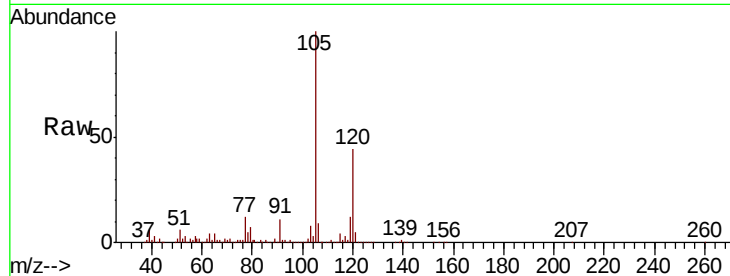




#84
 1,2,4-Trimethylbenzene
 Concen: 61.343 ug/l
 RT: 13.11 min Scan# 1866
 Delta R.T. -0.01 min
 Lab File: VY000759.D
 Acq: 20 Nov 2019 18:00

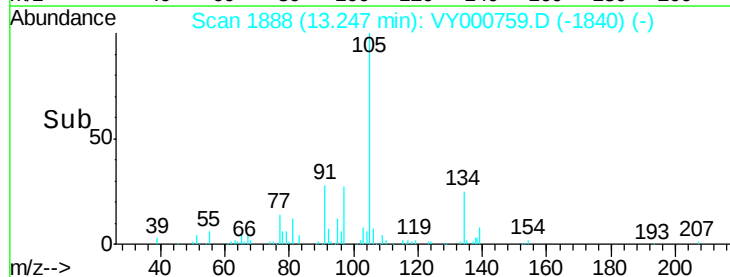
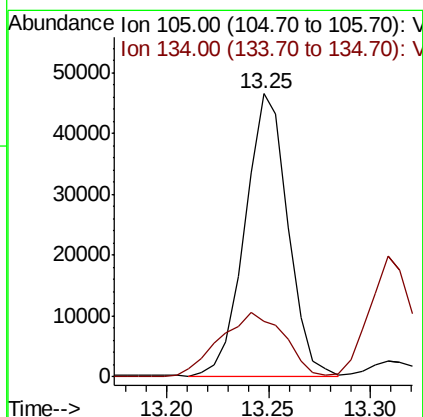
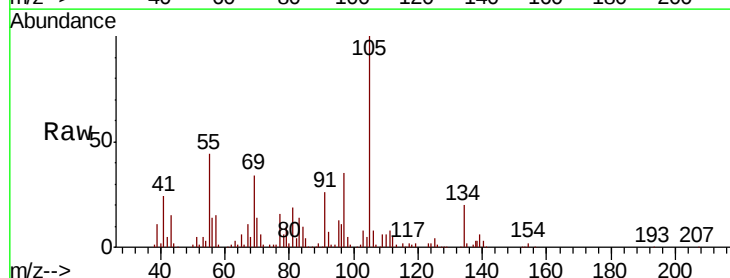
Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-COMP-01

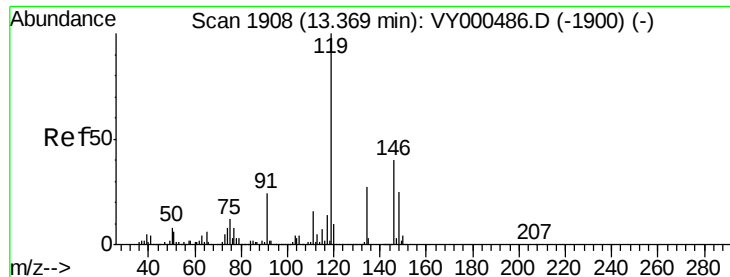
Tot Ion:105 Resp: 889805
 Ion Ratio Lower Upper
 105 100
 120 45.8 23.3 69.9



#85
 sec-Butylbenzene
 Concen: 3.818 ug/l
 RT: 13.25 min Scan# 1888
 Delta R.T. -0.01 min
 Lab File: VY000759.D
 Acq: 20 Nov 2019 18:00

Tgt Ion:105 Resp: 67668
 Ion Ratio Lower Upper
 105 100
 134 34.3 10.1 30.1#

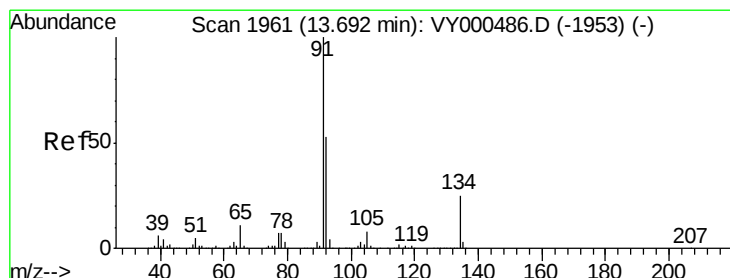
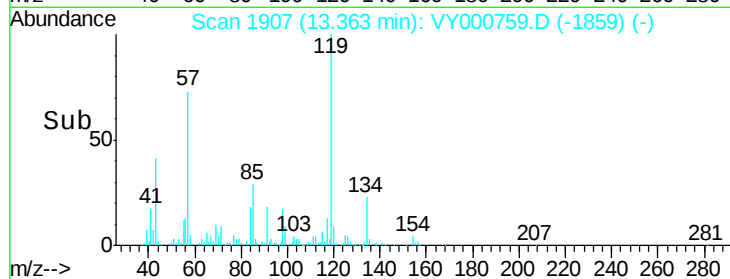
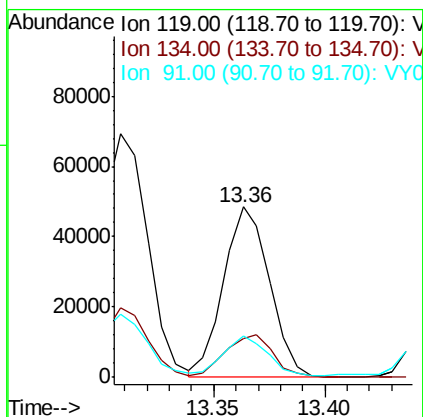
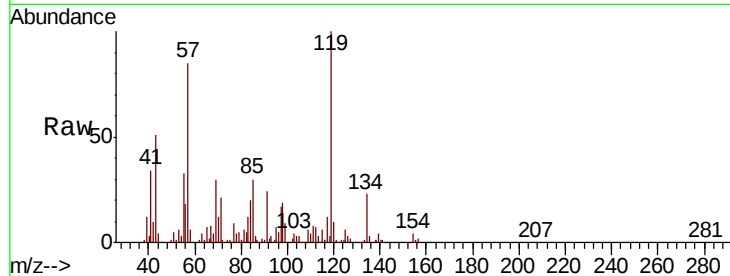




#86
p-Isopropyltoluene
Concen: 4.393 ug/l
RT: 13.36 min Scan# 1907
Delta R.T. -0.01 min
Lab File: VY000759.D
Acq: 20 Nov 2019 18:00

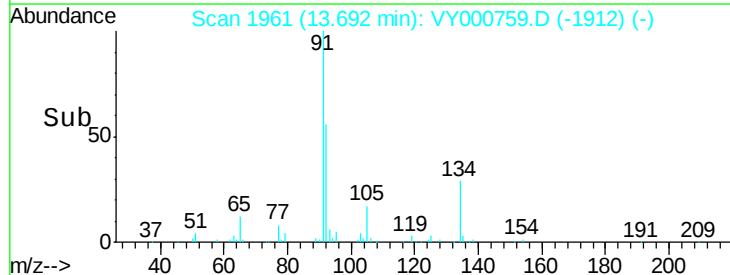
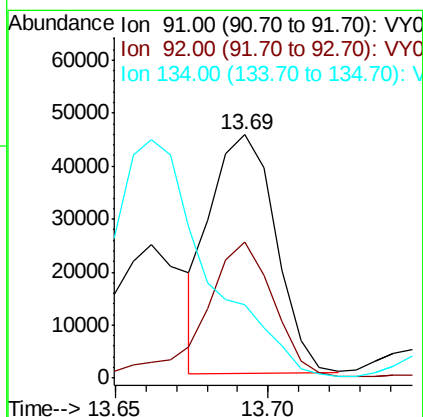
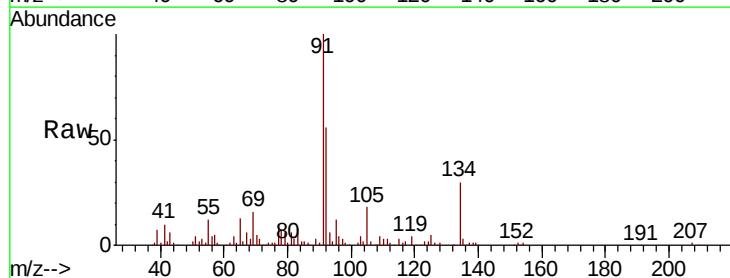
Instrument :
MSVOA_Y
ClientSampleId :
WC-COMP-01

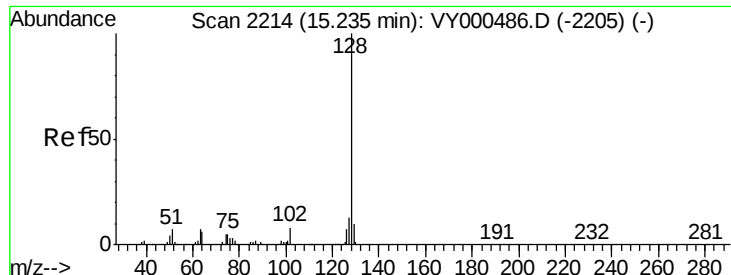
Tot Ion	Ratio	Lower	Upper
119	100		
134	26.3	13.6	40.8
91	22.0	12.0	36.1



#89
n-Butylbenzene
Concen: 4.244 ug/l
RT: 13.69 min Scan# 1961
Delta R.T. -0.00 min
Lab File: VY000759.D
Acq: 20 Nov 2019 18:00

Tgt Ion	Ratio	Lower	Upper
91	100		
92	60.6	26.8	80.3
134	0.0	12.9	38.7





#95
Naphthalene
Concen: 5.014 ug/l
RT: 15.23 min Scan# 2213
Delta R.T. -0.01 min
Lab File: VY000759.D
Acq: 20 Nov 2019 18:00

Instrument :
MSVOA_Y
ClientSampleId :
WC-COMP-01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.8	9.8	14.6
129	12.5	8.7	13.1

