

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW110418\
 Data File : VW006615.D
 Acq On : 02 Nov 2018 21:17
 Operator : SY/AP
 Sample : J5200-19RE
 Misc : 7.01G/5ML/MSVOA W/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 OR-03-103118-BRE

Quant Time: Nov 03 01:08:15 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W110218S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 01 03:48:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	239896	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	357834	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	303087	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	123846	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	90112	43.70	ug/l	0.00
Spiked Amount			Recovery	=	87.40%	
35) Dibromofluoromethane	7.88	113	88579	39.44	ug/l	0.00
Spiked Amount			Recovery	=	78.88%	
50) Toluene-d8	10.33	98	301956	35.32	ug/l	0.00
Spiked Amount			Recovery	=	70.64%	
62) 4-Bromofluorobenzene	12.62	95	95273	30.74	ug/l	0.00
Spiked Amount			Recovery	=	61.48%	

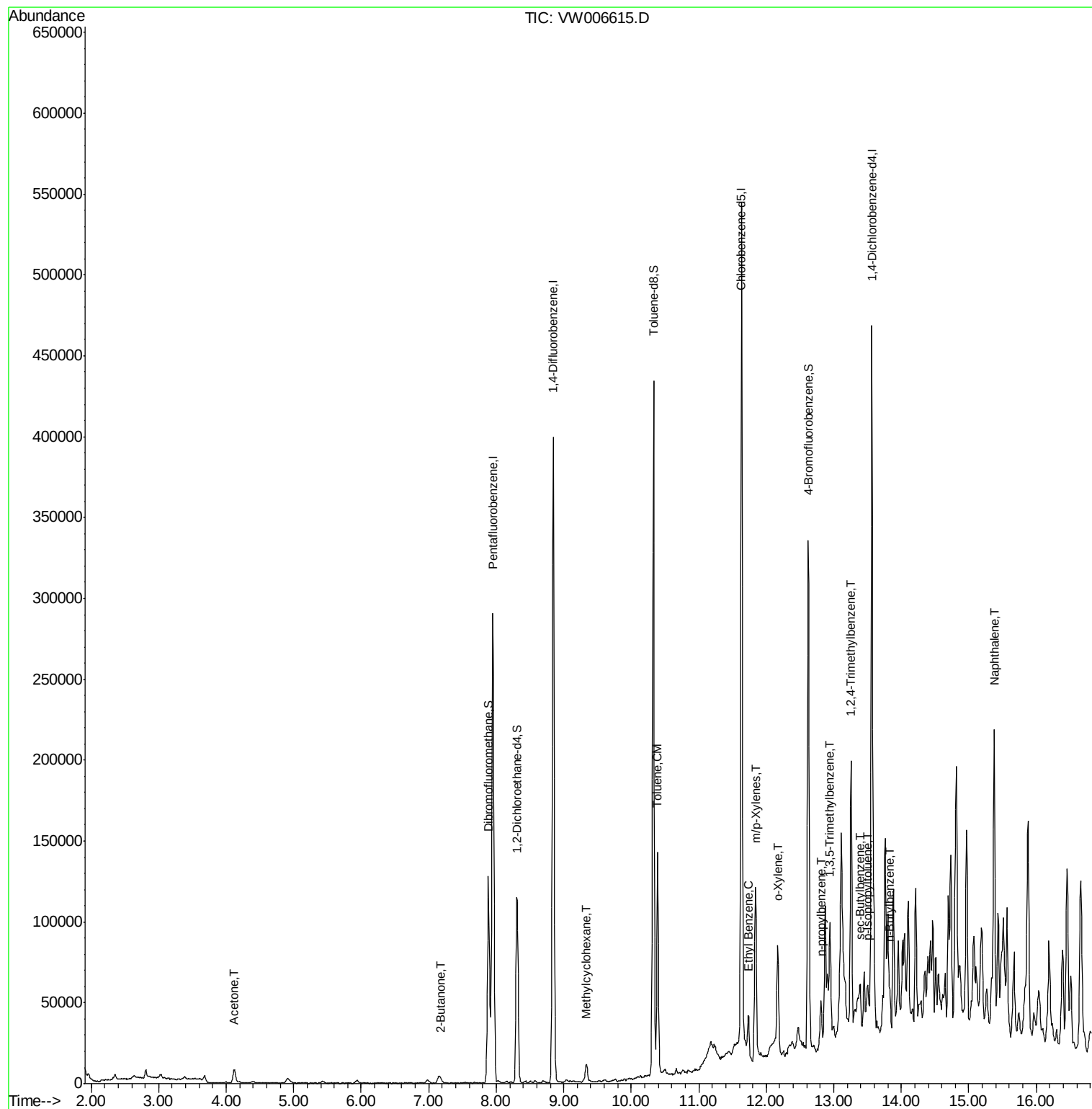
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.12	43	14608	43.877	ug/l	97
25) 2-Butanone	7.18	43	3137	6.603	ug/l	93
39) Methylcyclohexane	9.34	83	4953	1.240	ug/l	100
52) Toluene	10.39	92	60198	10.041	ug/l	99
67) Ethyl Benzene	11.74	91	16590	1.556	ug/l	98
68) m/p-Xylenes	11.84	106	33071	7.765	ug/l	97
69) o-Xylene	12.17	106	16661	4.109	ug/l	96
78) n-propylbenzene	12.81	91	19906	2.121	ug/l	97
80) 1,3,5-Trimethylbenzene	12.95	105	21830	3.185	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	92803	13.201	ug/l	98
85) sec-Butylbenzene	13.39	105	12743	1.489	ug/l	86
86) p-Isopropyltoluene	13.51	119	8612	1.106	ug/l	95
89) n-Butylbenzene	13.83	91	11665	1.687	ug/l #	70
95) Naphthalene	15.38	128	161682	36.155	ug/l	99

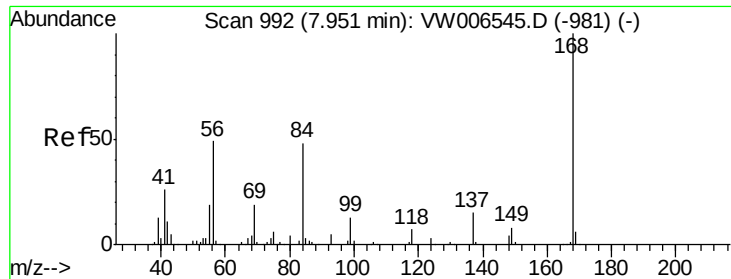
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW006615.D

Acq: 02 Nov 2018 21:17

Instrument :

MSVOA_W

ClientSampleId :

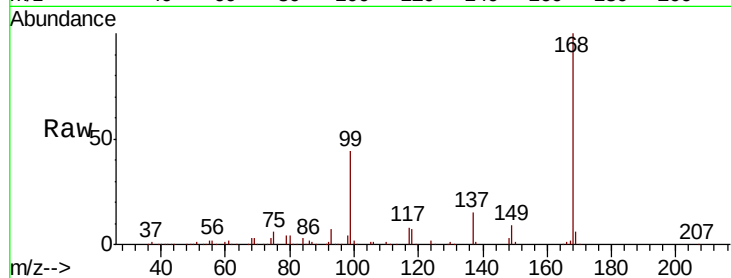
OR-03-103118-BRE

Tot Ion:168 Resp: 239896

Ion Ratio Lower Upper

168 100

99 44.3 37.4 56.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

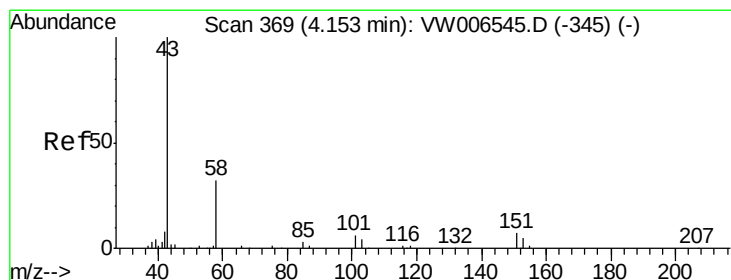
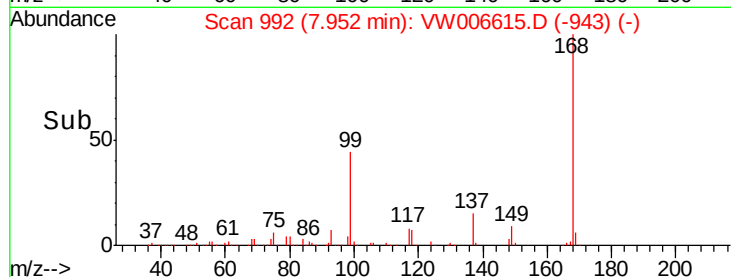
60000

40000

20000

0

Time-->



#16

Acetone

Concen: 43.877 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.04 min

Lab File: VW006615.D

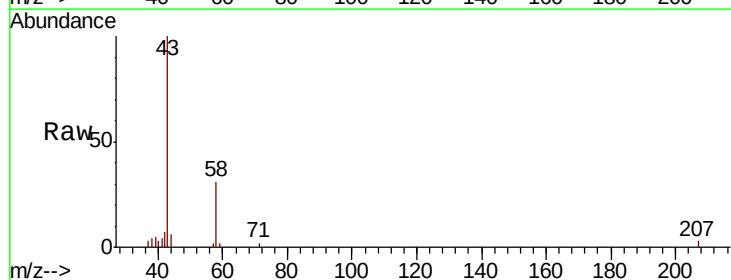
Acq: 02 Nov 2018 21:17

Tgt Ion: 43 Resp: 14608

Ion Ratio Lower Upper

43 100

58 30.6 25.8 38.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

6000

5000

4000

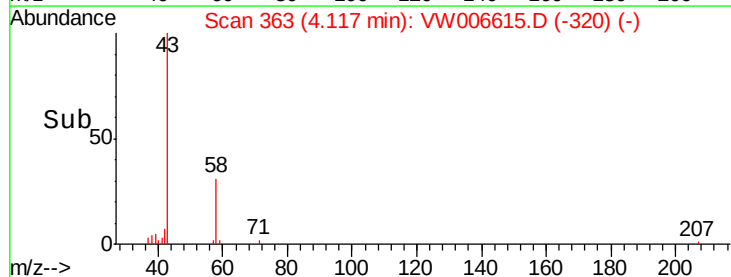
3000

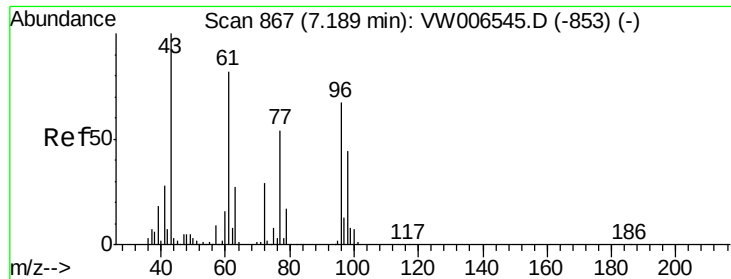
2000

1000

0

Time-->

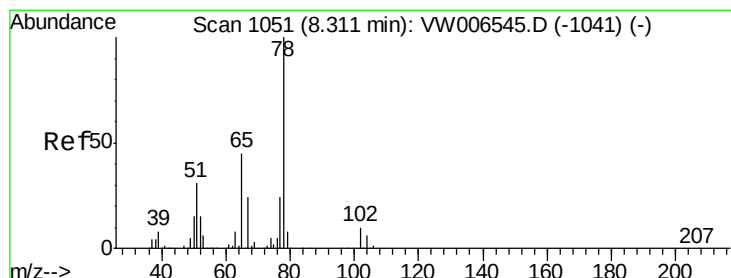
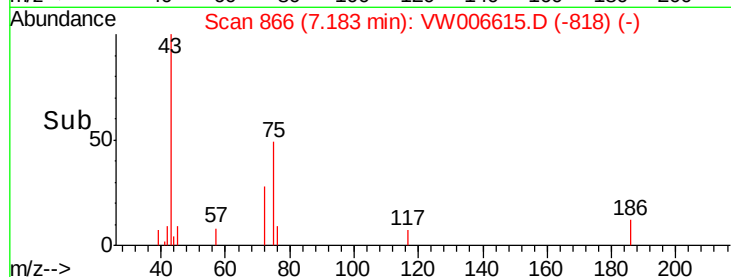
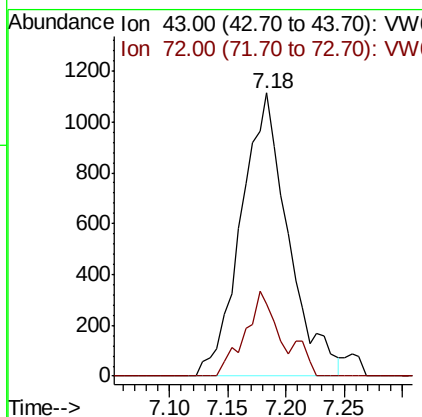
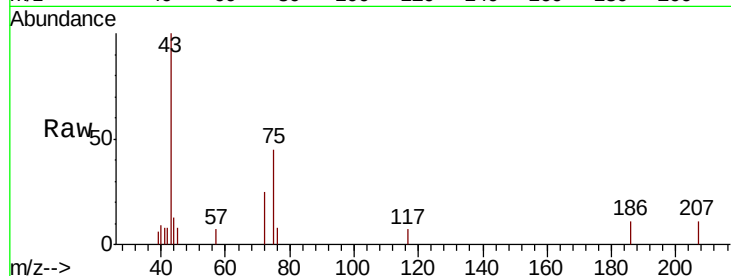




#25
2-Butanone
Concen: 6.603 ug/l
RT: 7.18 min Scan# 866
Delta R.T. -0.01 min
Lab File: VW006615.D
Acq: 02 Nov 2018 21:17

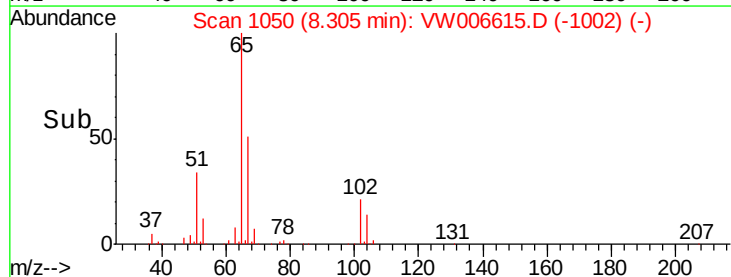
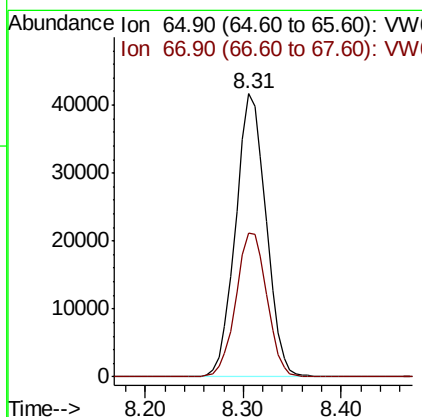
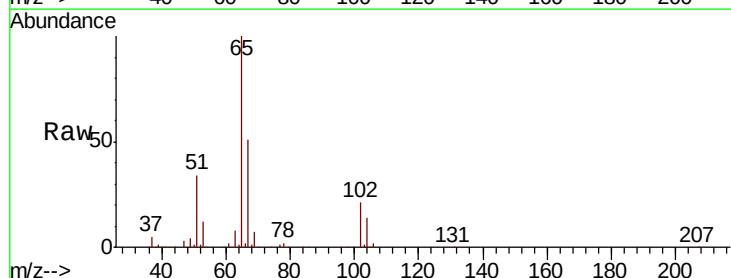
Instrument :
MSVOA_W
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OR-03-103118-BRE

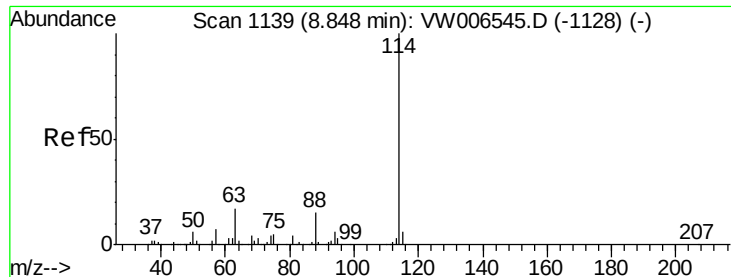
Tot Ion: 43 Resp: 3137
Ion Ratio Lower Upper
43 100
72 25.3 23.2 34.8



#33
1,2-Dichloroethane-d4
Concen: 43.698 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VW006615.D
Acq: 02 Nov 2018 21:17

Tgt Ion: 65 Resp: 90112
Ion Ratio Lower Upper
65 100
67 51.8 0.0 104.4

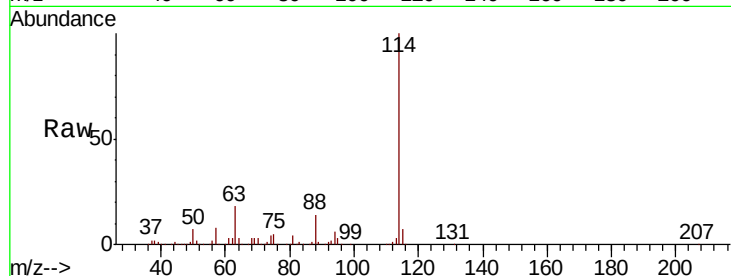




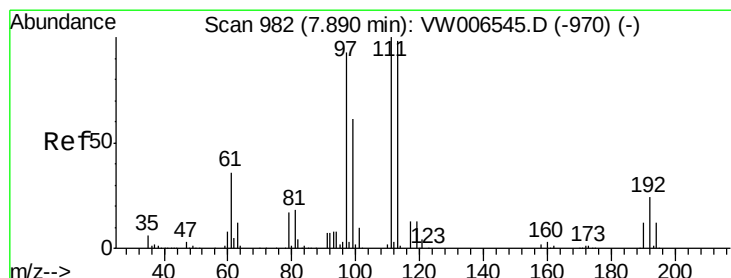
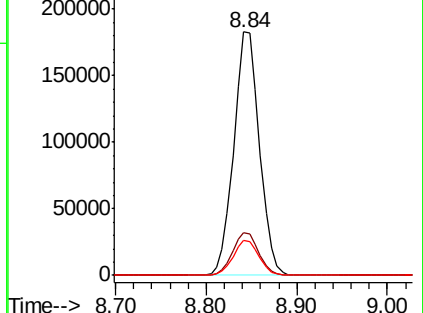
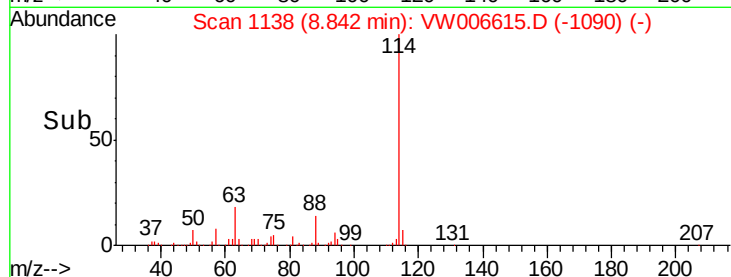
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.01 min
 Lab File: VW006615.D
 Acq: 02 Nov 2018 21:17

Instrument :
 MSVOA_W
 ClientSampleId :
 OR-03-103118-BRE

Tot Ion	Ratio	Lower	Upper
114	100		
63	17.7	0.0	34.4
88	14.3	0.0	29.0

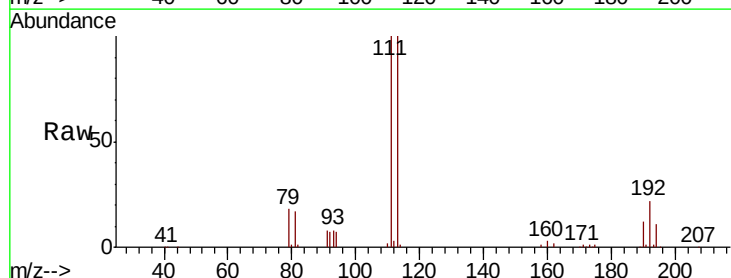


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

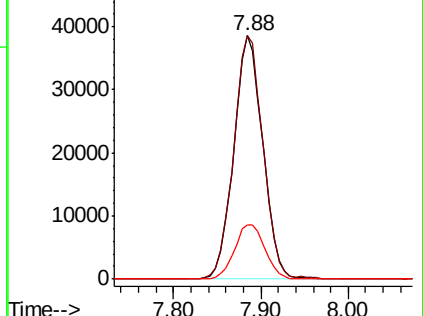
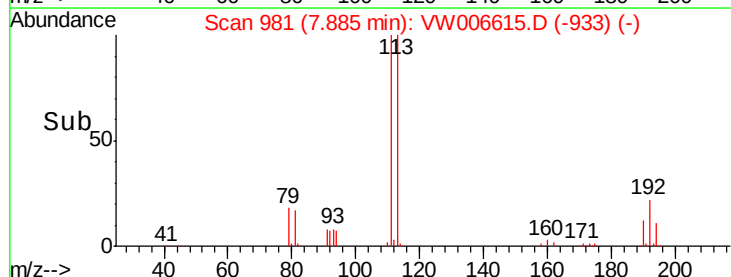


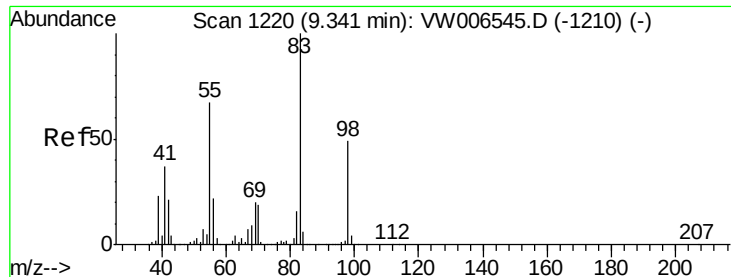
#35
 Dibromofluoromethane
 Concen: 39.444 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.01 min
 Lab File: VW006615.D
 Acq: 02 Nov 2018 21:17

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.4	82.2	123.2
192	23.5	19.0	28.6



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

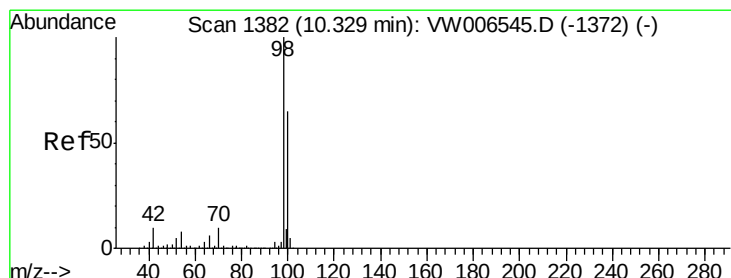
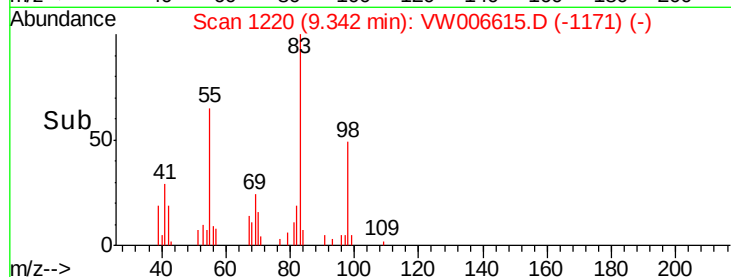
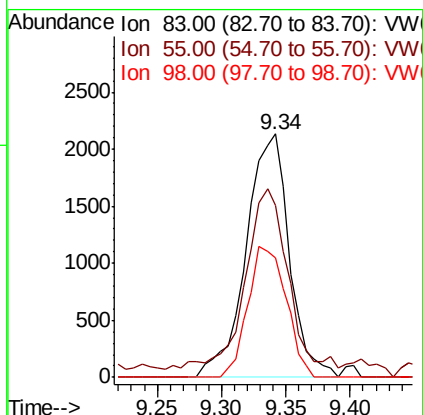
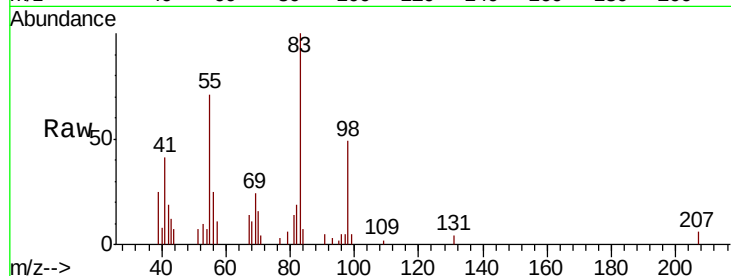




#39
Methylvlcyclohexane
Concen: 1.240 ug/l
RT: 9.34 min Scan# 1220
Delta R.T. 0.00 min
Lab File: VW006615.D
Acq: 02 Nov 2018 21:17

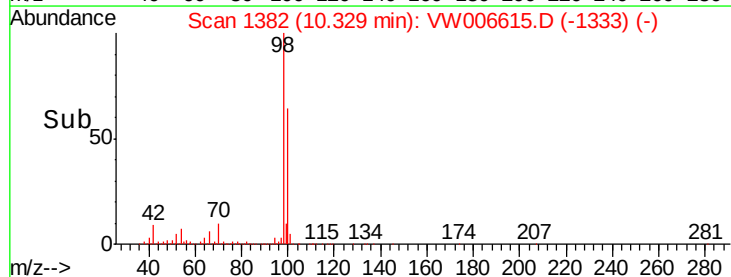
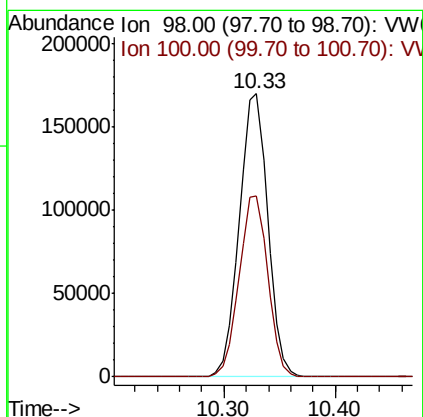
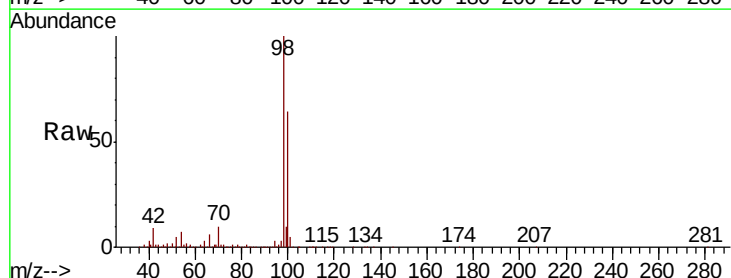
Instrument :
MSVOA_W
ClientSampleId :
OR-03-103118-BRE

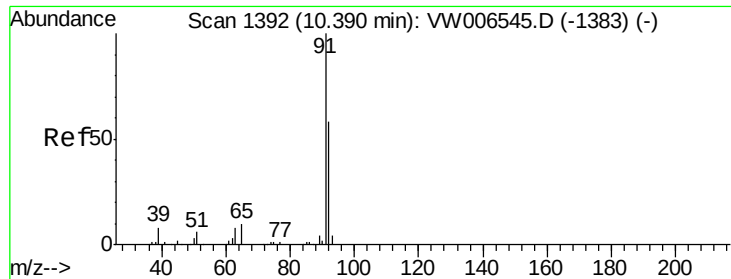
Tot Ion: 83 Resp: 4953
Ion Ratio Lower Upper
83 100
55 66.6 53.7 80.5
98 48.8 39.2 58.8



#50
Toluene-d8
Concen: 35.321 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VW006615.D
Acq: 02 Nov 2018 21:17

Tgt Ion: 98 Resp: 301956
Ion Ratio Lower Upper
98 100
100 64.3 51.6 77.4





#52

Toluene

Concen: 10.041 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW006615.D

Acq: 02 Nov 2018 21:17

Instrument :

MSVOA_W

ClientSampleId :

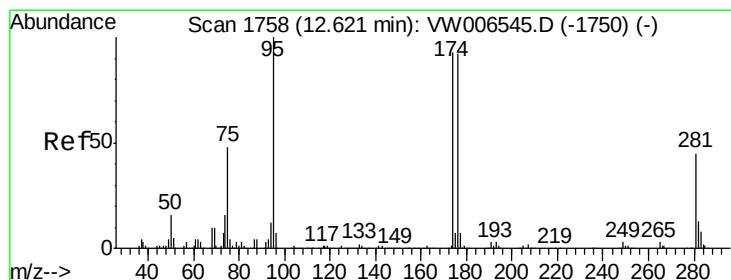
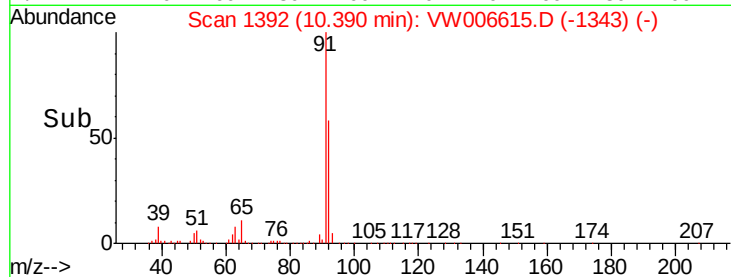
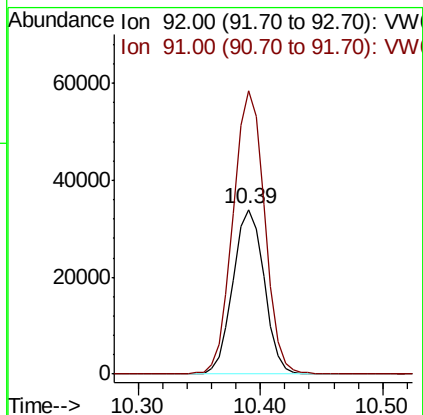
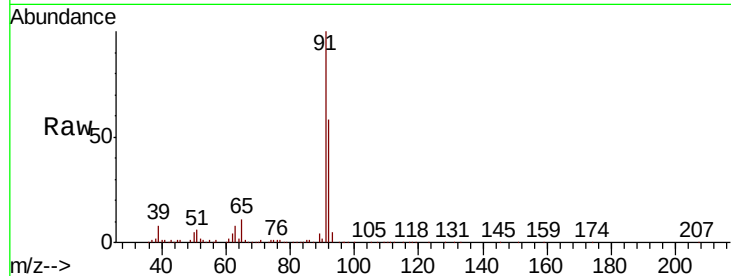
OR-03-103118-BRE

Tot Ion: 92 Resp: 60198

Ion Ratio Lower Upper

92 100

91 172.4 138.6 208.0



#62

4-Bromofluorobenzene

Concen: 30.740 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW006615.D

Acq: 02 Nov 2018 21:17

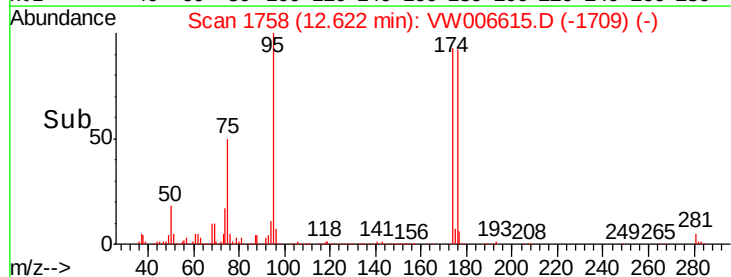
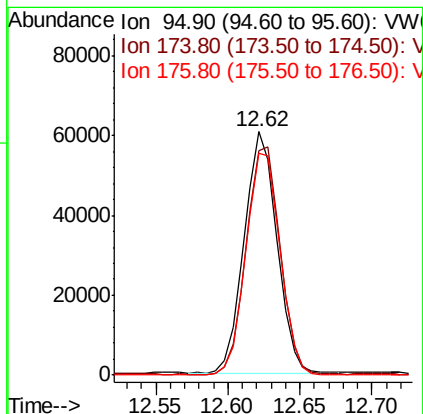
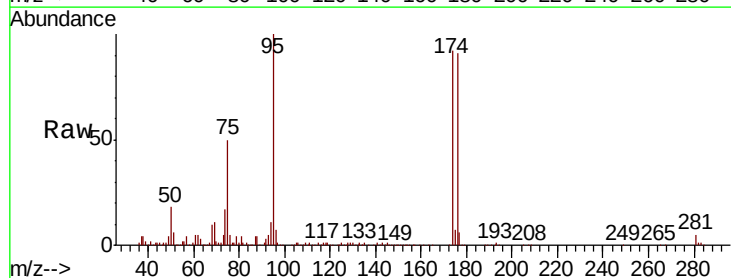
Tgt Ion: 95 Resp: 95273

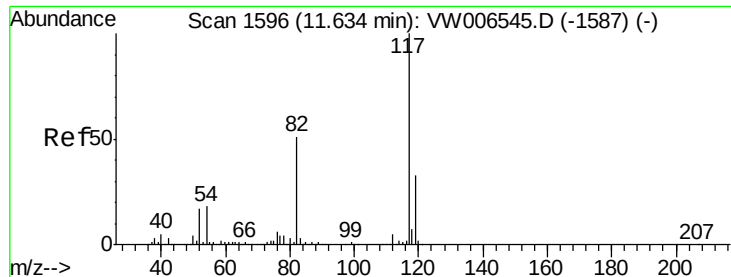
Ion Ratio Lower Upper

95 100

174 97.4 0.0 192.4

176 95.5 0.0 187.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VW006615.D

Acq: 02 Nov 2018 21:17

Instrument :

MSVOA_W

ClientSampleId :

OR-03-103118-BRE

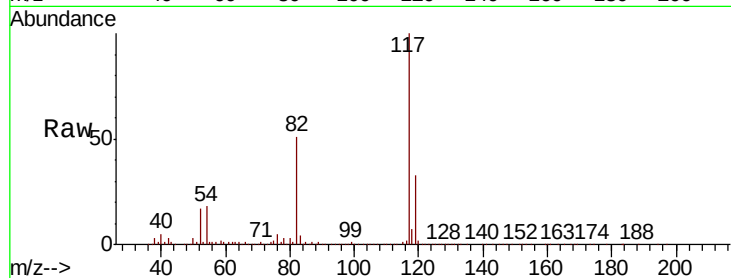
Tot Ion:117 Resp: 303087

Ion Ratio Lower Upper

117 100

82 51.1 40.8 61.2

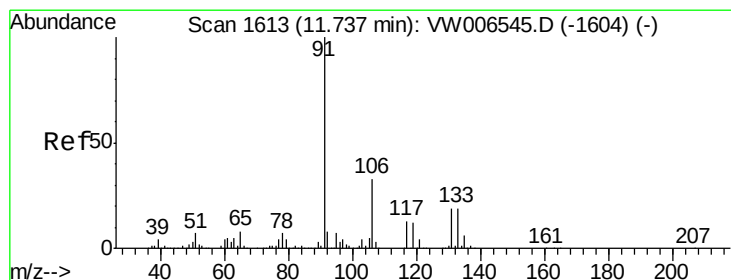
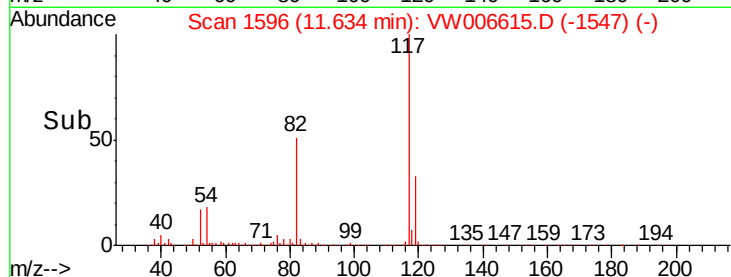
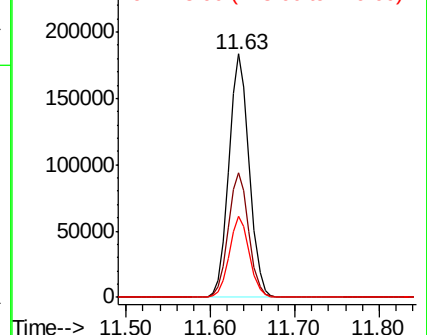
119 33.4 26.1 39.1



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): V



#67

Ethyl Benzene

Concen: 1.556 ug/l

RT: 11.74 min Scan# 1613

Delta R.T. 0.00 min

Lab File: VW006615.D

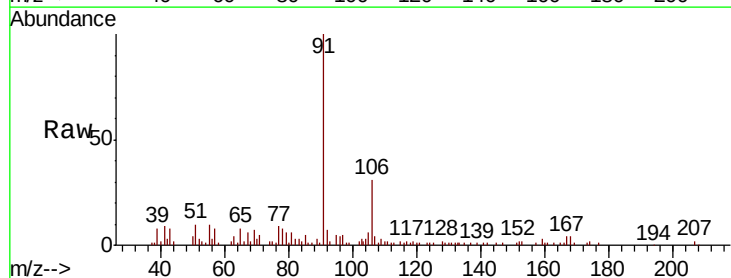
Acq: 02 Nov 2018 21:17

Tgt Ion: 91 Resp: 16590

Ion Ratio Lower Upper

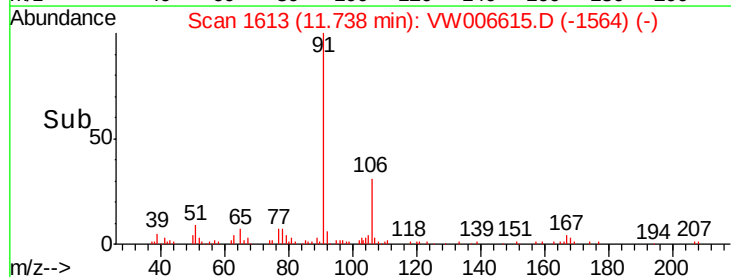
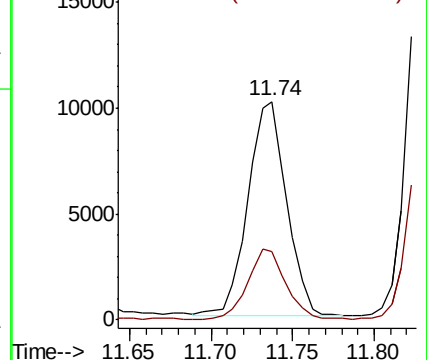
91 100

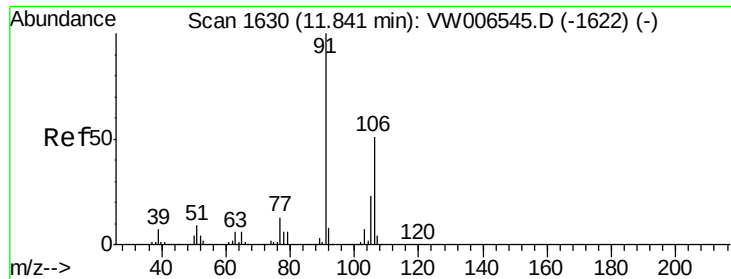
106 31.7 26.3 39.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V

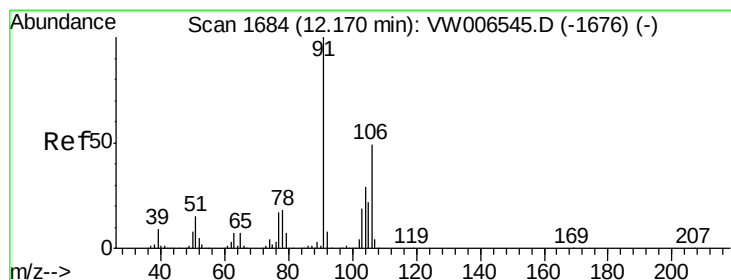
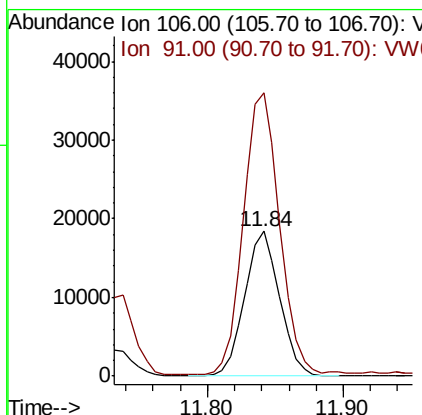
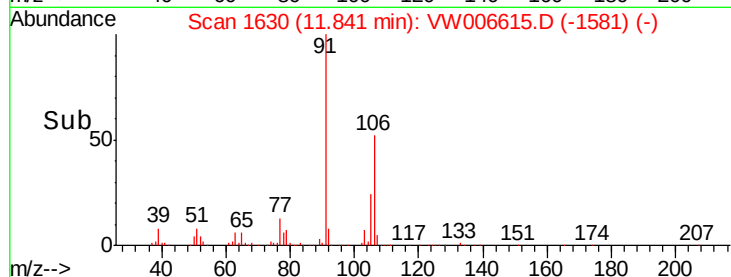
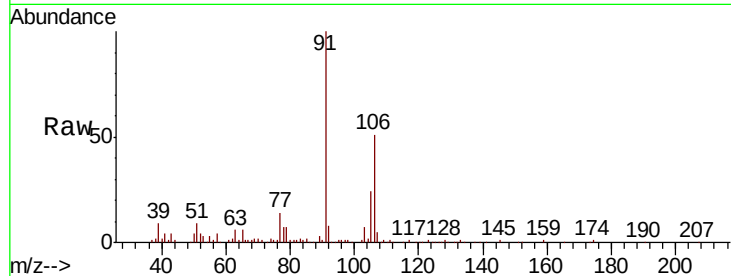




#68
m/p-Xylenes
Concen: 7.765 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW006615.D
Acq: 02 Nov 2018 21:17

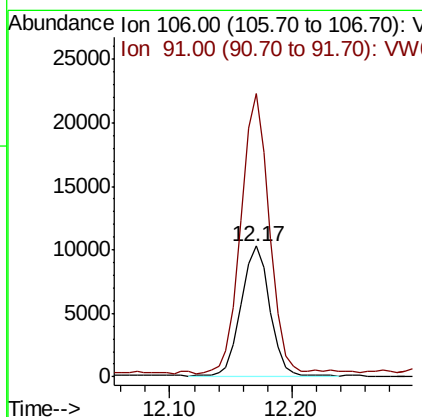
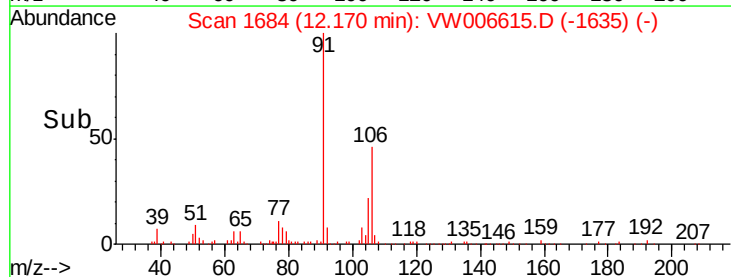
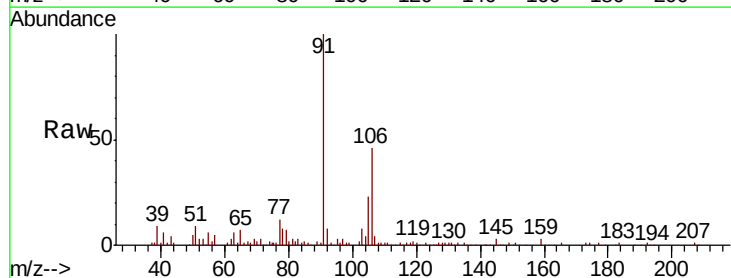
Instrument :
MSVOA_W
ClientSampleId :
OR-03-103118-BRE

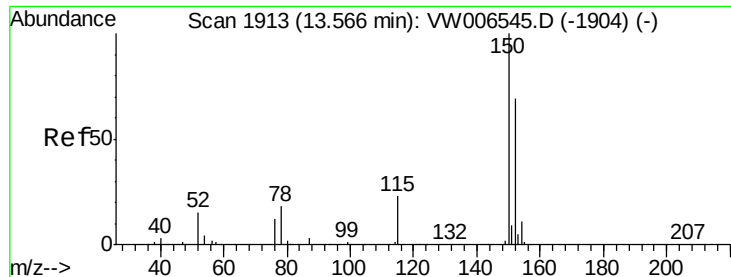
Tot Ion:106 Resp: 33071
Ion Ratio Lower Upper
106 100
91 201.0 156.7 235.1



#69
o-Xylene
Concen: 4.109 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW006615.D
Acq: 02 Nov 2018 21:17

Tgt Ion:106 Resp: 16661
Ion Ratio Lower Upper
106 100
91 211.2 102.8 308.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. 0.00 min

Lab File: VW006615.D

Acq: 02 Nov 2018 21:17

Instrument :

MSVOA_W

ClientSampleId :

OR-03-103118-BRE

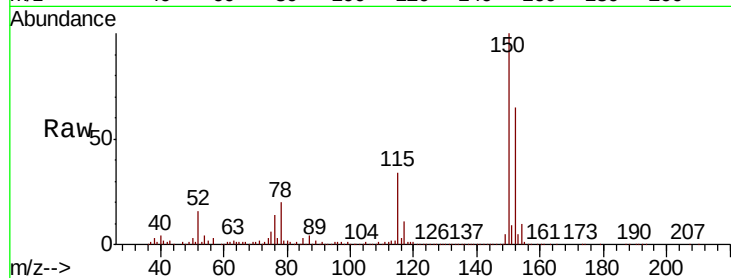
Tot Ion:152 Resp: 123846

Ion Ratio Lower Upper

152 100

115 54.3 26.6 79.8

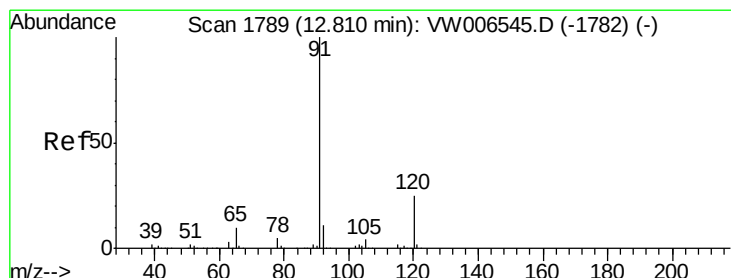
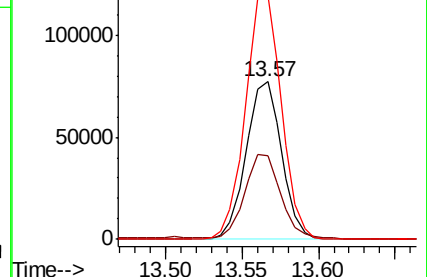
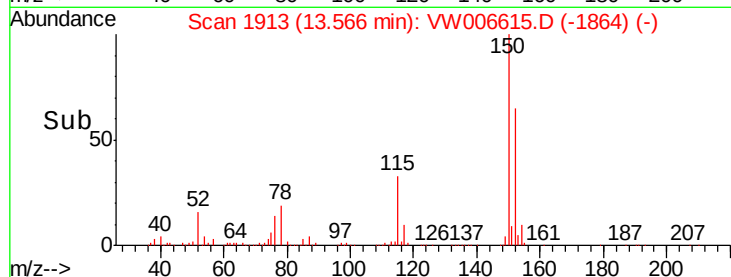
150 157.4 0.0 344.6



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



#78

n-propylbenzene

Concen: 2.121 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VW006615.D

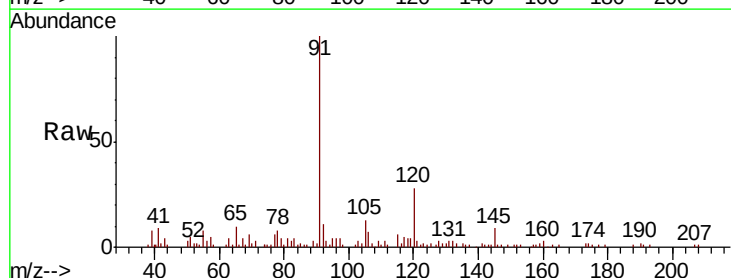
Acq: 02 Nov 2018 21:17

Tgt Ion: 91 Resp: 19906

Ion Ratio Lower Upper

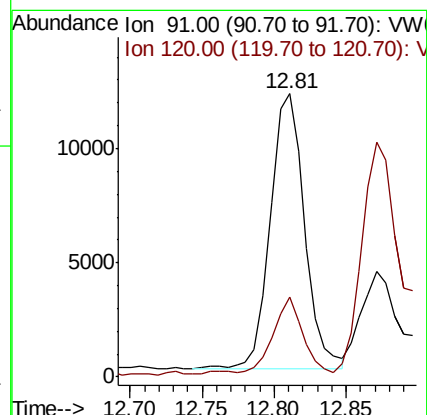
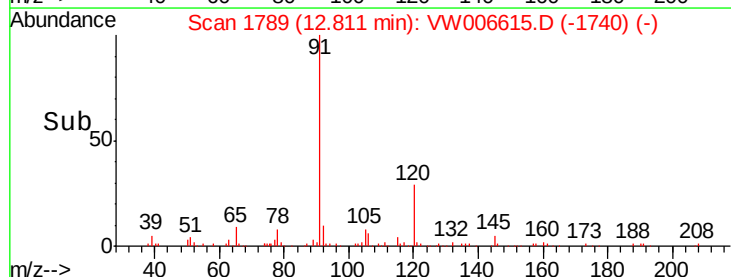
91 100

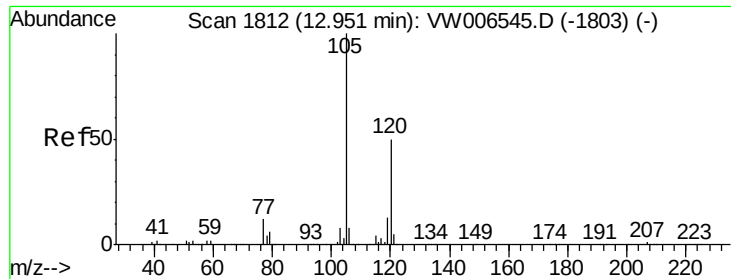
120 23.2 12.4 37.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

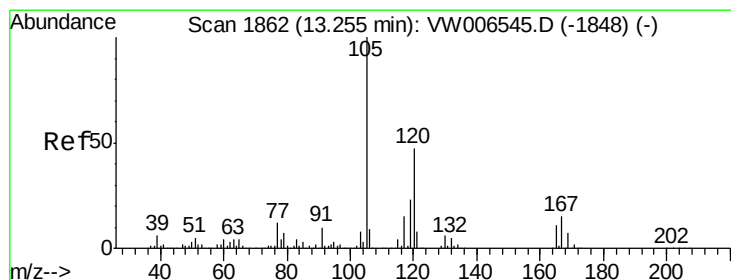
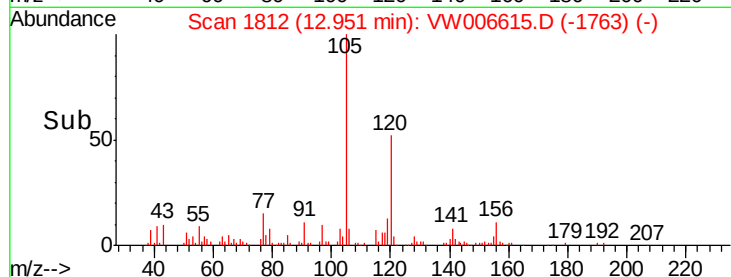
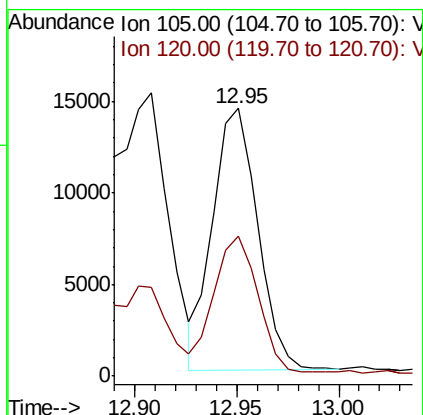
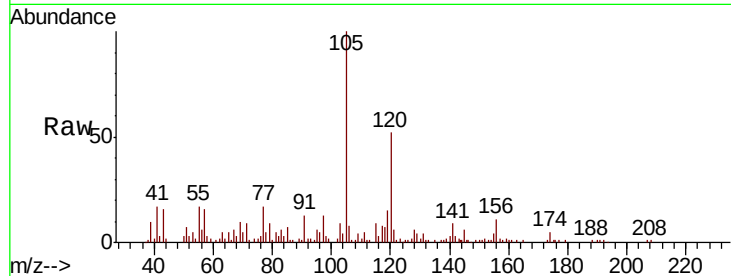




#80
 1,3,5-Trimethylbenzene
 Concen: 3.185 ug/l
 RT: 12.95 min Scan# 1812
 Delta R.T. 0.00 min
 Lab File: VW006615.D
 Acq: 02 Nov 2018 21:17

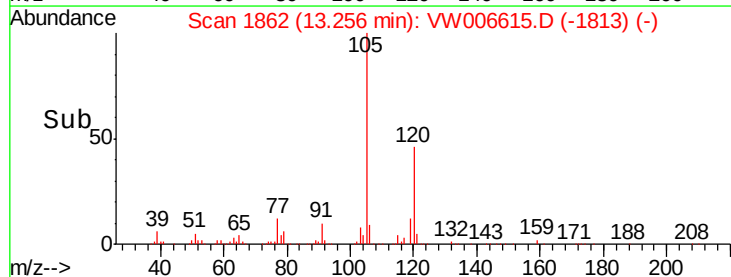
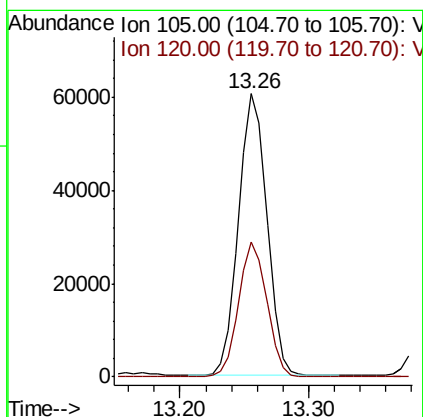
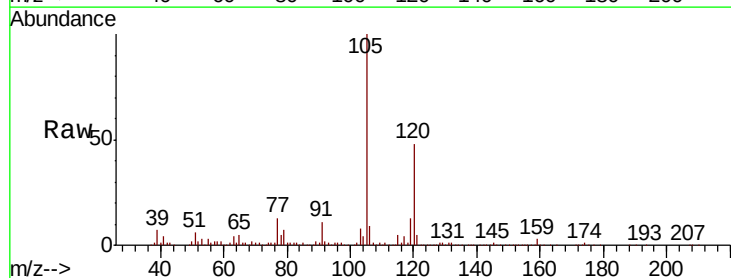
Instrument :
 MSVOA_W
 ClientSampleId :
 OR-03-103118-BRE

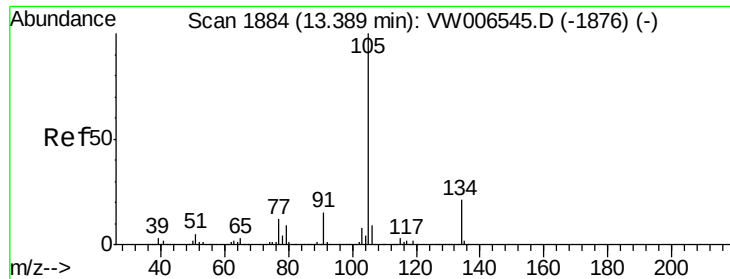
Tot Ion:105 Resp: 21830
 Ion Ratio Lower Upper
 105 100
 120 50.8 25.1 75.3



#84
 1,2,4-Trimethylbenzene
 Concen: 13.201 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW006615.D
 Acq: 02 Nov 2018 21:17

Tgt Ion:105 Resp: 92803
 Ion Ratio Lower Upper
 105 100
 120 47.5 23.2 69.6





#85

sec-Butylbenzene

Concen: 1.489 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VW006615.D

Acq: 02 Nov 2018 21:17

Instrument :

MSVOA_W

ClientSampleId :

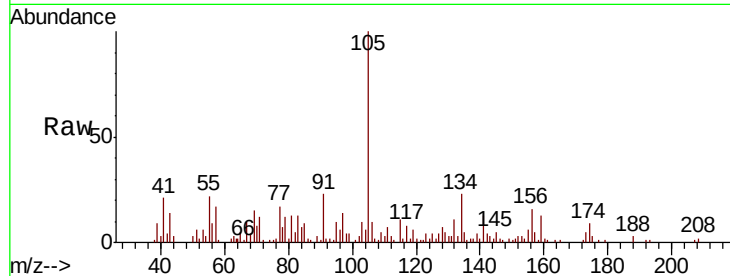
OR-03-103118-BRE

Tot Ion:105 Resp: 12743

Ion Ratio Lower Upper

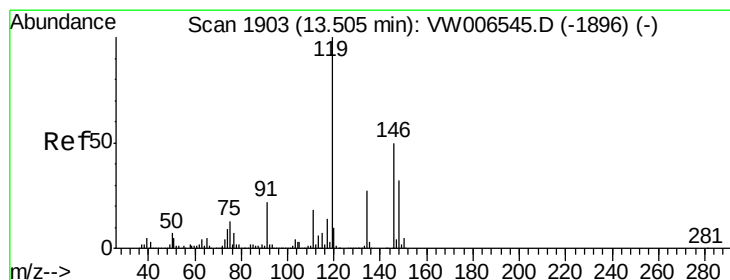
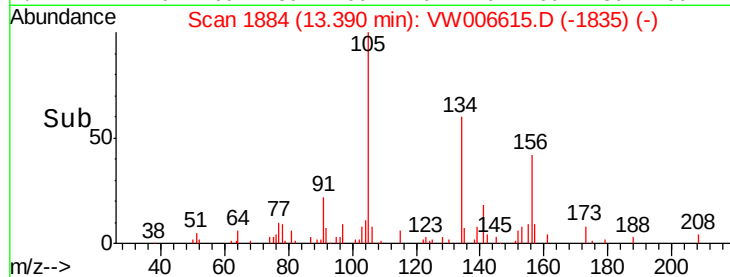
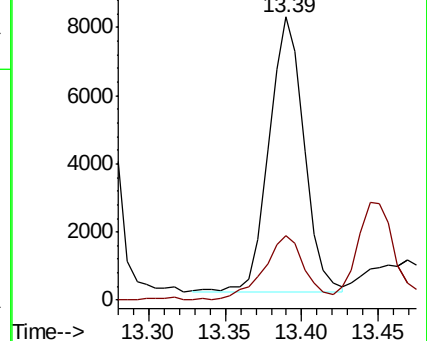
105 100

134 27.8 10.6 31.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 1.106 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.00 min

Lab File: VW006615.D

Acq: 02 Nov 2018 21:17

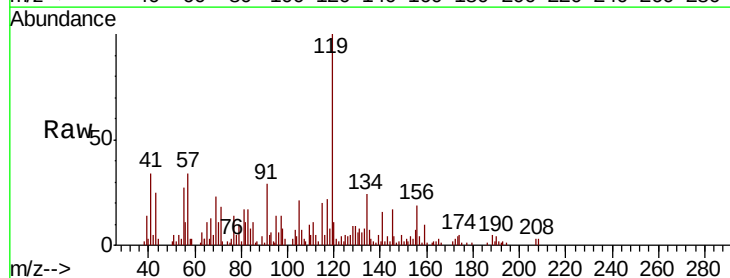
Tgt Ion:119 Resp: 8612

Ion Ratio Lower Upper

119 100

134 27.6 13.6 40.7

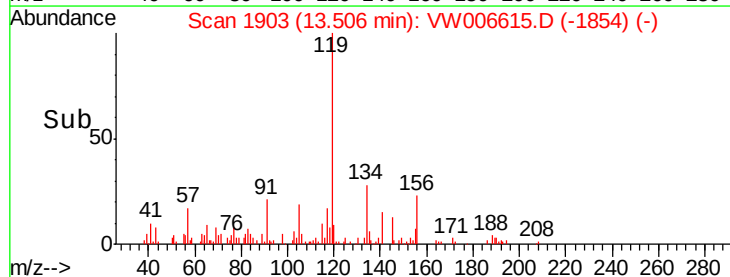
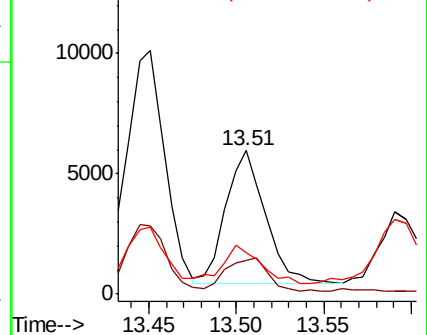
91 26.4 10.9 32.6

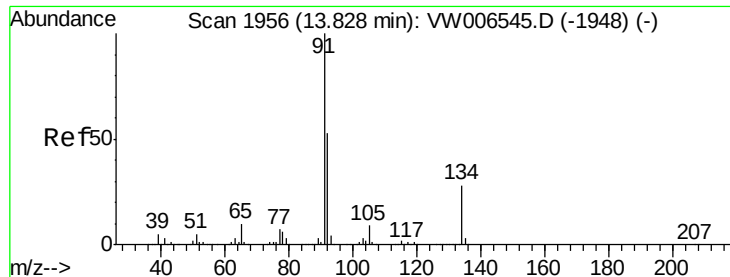


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#89

n-Butylbenzene

Concen: 1.687 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW006615.D

Acq: 02 Nov 2018 21:17

Instrument :

MSVOA_W

ClientSampleId :

OR-03-103118-BRE

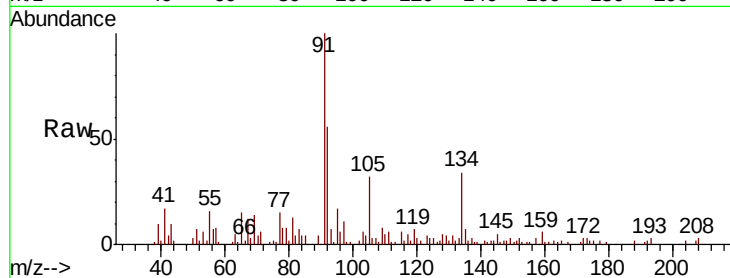
Tot Ion: 91 Resp: 11665

Ion Ratio Lower Upper

91 100

92 64.7 26.4 79.0

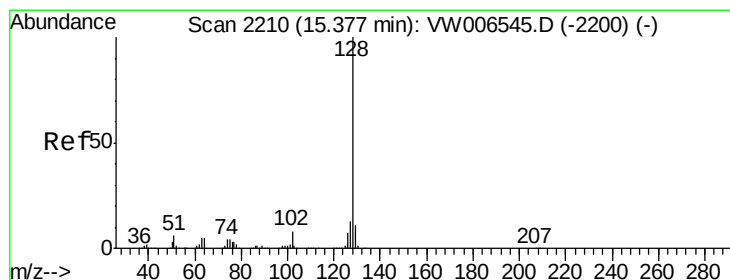
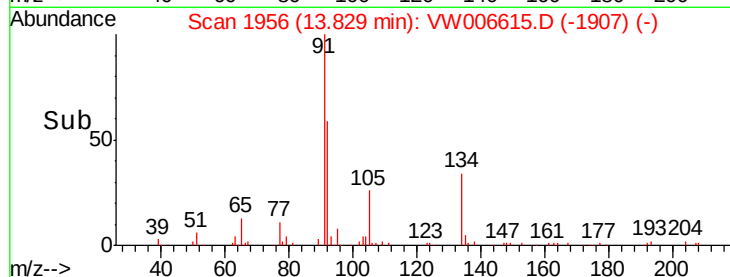
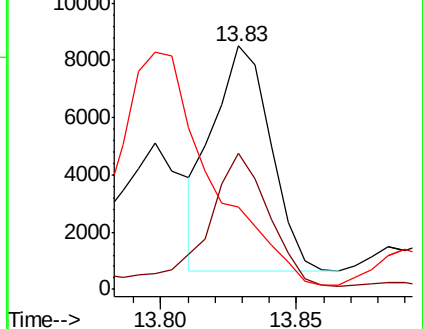
134 0.0 14.3 42.9#



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): VW



#95

Naphthalene

Concen: 36.155 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. 0.00 min

Lab File: VW006615.D

Acq: 02 Nov 2018 21:17

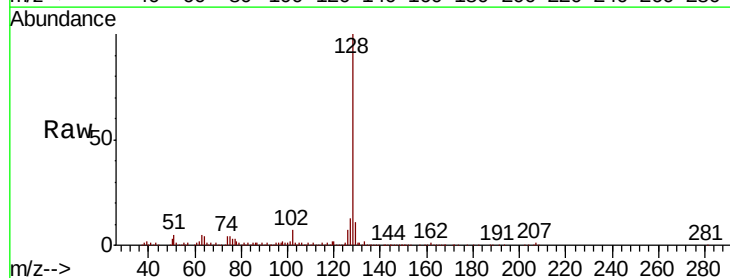
Tgt Ion: 128 Resp: 161682

Ion Ratio Lower Upper

128 100

127 13.2 10.3 15.5

129 11.2 8.7 13.1



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

