

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072818\
 Data File : VW004255.D
 Acq On : 27 Jul 2018 06:19
 Operator : SY/AP
 Sample : J4096-04RE
 Misc : 7.27G/5ML/MSVOA W/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 DW-6RE

Quant Time: Jul 27 08:40:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W071618S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 16 15:06:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	104277	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	236384	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	87721	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	15839	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	99565	85.42	ug/l	0.00
Spiked Amount			Recovery	=	170.84%	
35) Dibromofluoromethane	7.88	113	86036	56.73	ug/l	0.00
Spiked Amount			Recovery	=	113.46%	
50) Toluene-d8	10.33	98	179354	30.48	ug/l	0.00
Spiked Amount			Recovery	=	60.96%	
62) 4-Bromofluorobenzene	12.62	95	23705	11.17	ug/l	0.00
Spiked Amount			Recovery	=	22.34%	

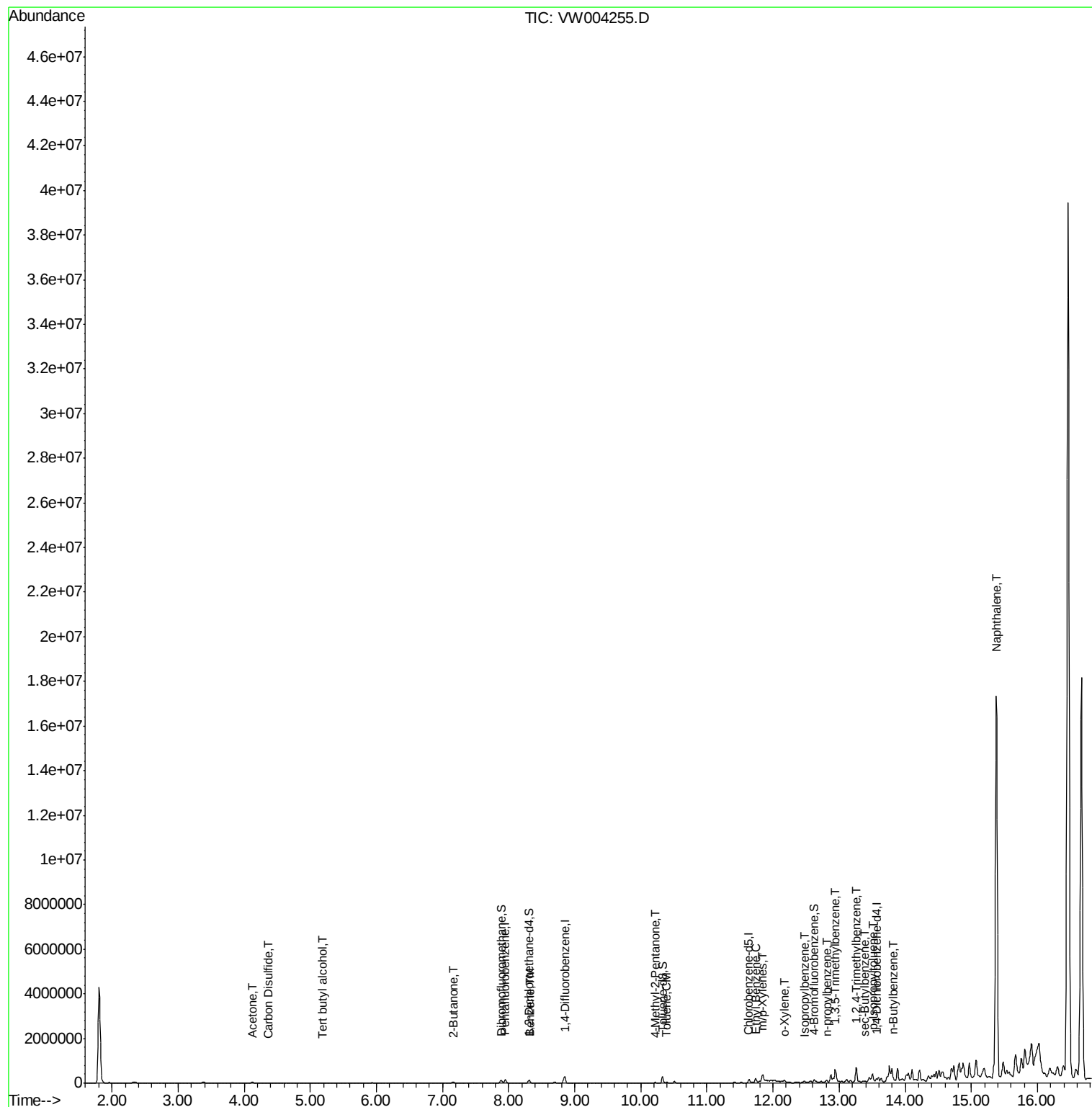
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.18	59	12277	152.575	ug/l	97
16) Acetone	4.12	43	68682	245.210	ug/l	96
17) Carbon Disulfide	4.37	76	12606	3.985	ug/l	98
25) 2-Butanone	7.18	43	27157	72.048	ug/l	99
40) Benzene	8.32	78	9431	1.398	ug/l	97
51) 4-Methyl-2-Pentanone	10.22	43	19880	17.007	ug/l	100
52) Toluene	10.39	92	21098	5.057	ug/l	97
67) Ethyl Benzene	11.74	91	114118	34.827	ug/l	100
68) m/p-Xylenes	11.84	106	66669	53.234	ug/l	97
69) o-Xylene	12.17	106	22190	19.101	ug/l	98
73) Isopropylbenzene	12.47	105	24397	21.798	ug/l	99
78) n-propylbenzene	12.81	91	73800	53.747	ug/l	98
80) 1,3,5-Trimethylbenzene	12.95	105	165082	175.270	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	368375	380.145	ug/l	98
85) sec-Butylbenzene	13.39	105	26029	22.184	ug/l #	73
86) p-Isopropyltoluene	13.51	119	174256	169.318	ug/l	96
89) n-Butylbenzene	13.83	91	33962	33.569	ug/l #	64
95) Naphthalene	15.38	128	14657407	23726.040	ug/l	98

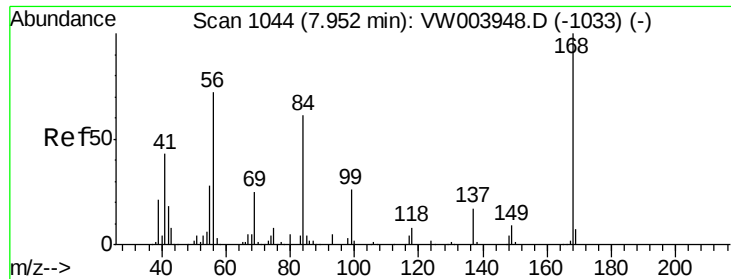
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW004255.D

Acq: 27 Jul 2018 06:19

Instrument :

MSVOA_W

ClientSampleId :

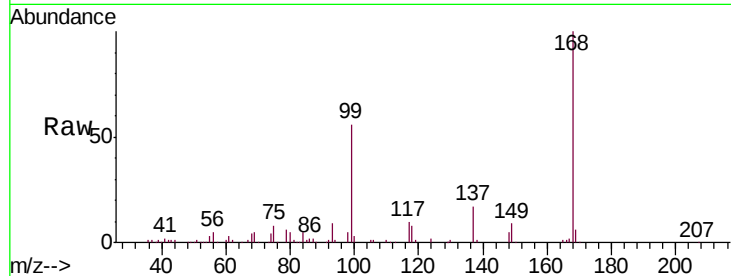
DW-6RE

Tot Ion:168 Resp: 104277

Ion Ratio Lower Upper

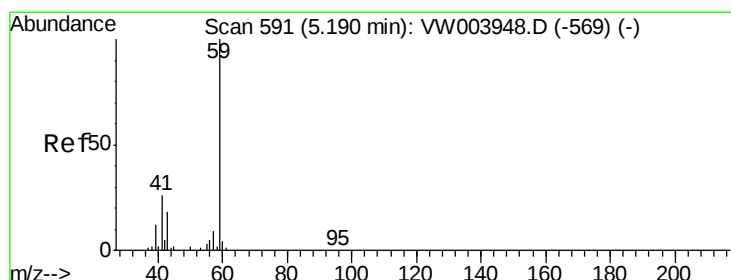
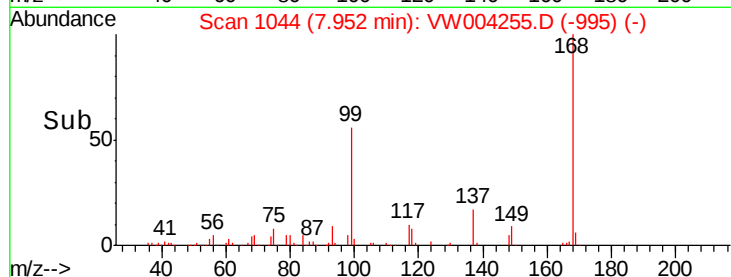
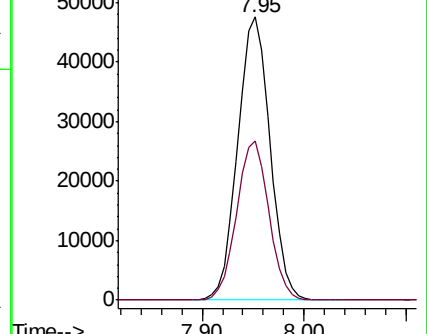
168 100

99 56.1 43.8 65.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 152.575 ug/l

RT: 5.18 min Scan# 590

Delta R.T. -0.01 min

Lab File: VW004255.D

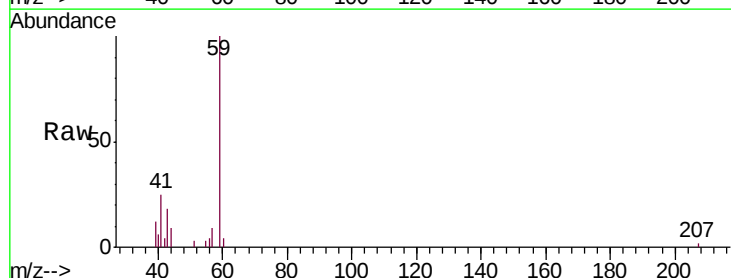
Acq: 27 Jul 2018 06:19

Tgt Ion: 59 Resp: 12277

Ion Ratio Lower Upper

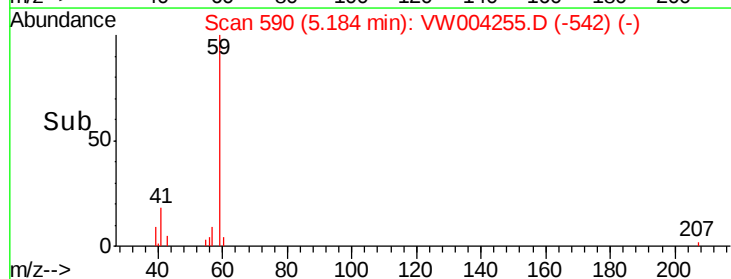
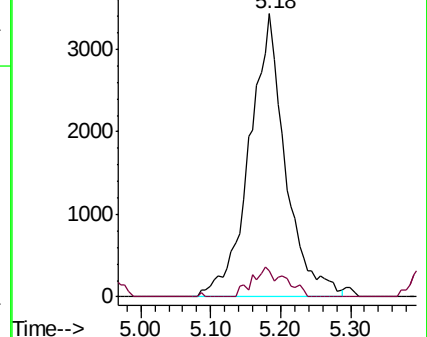
59 100

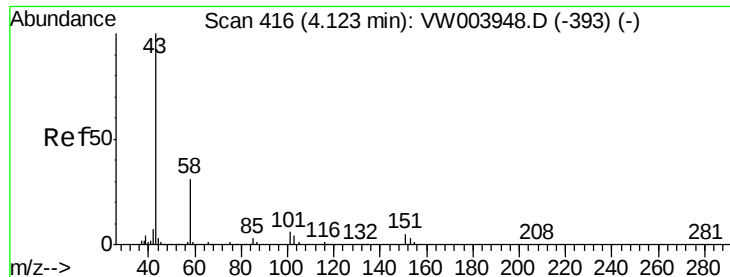
57 9.5 8.5 12.7



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 245.210 ug/l

RT: 4.12 min Scan# 416

Delta R.T. 0.00 min

Lab File: VW004255.D

Acq: 27 Jul 2018 06:19

Instrument :

MSVOA_W

ClientSampled :

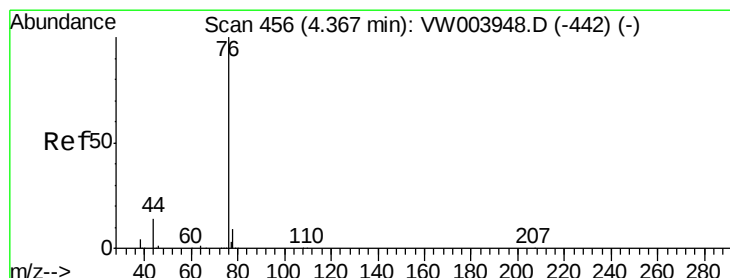
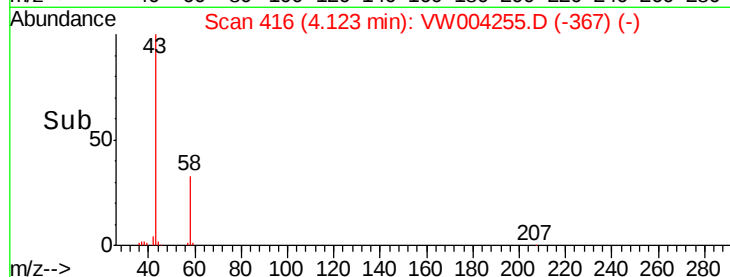
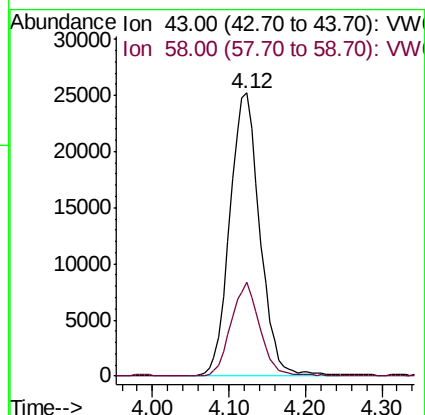
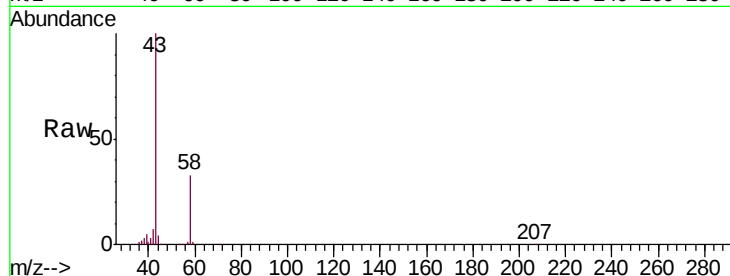
DW-6RE

Tot Ion: 43 Resp: 68682

Ion Ratio Lower Upper

43 100

58 33.0 24.5 36.7



#17

Carbon Disulfide

Concen: 3.985 ug/l

RT: 4.37 min Scan# 456

Delta R.T. 0.00 min

Lab File: VW004255.D

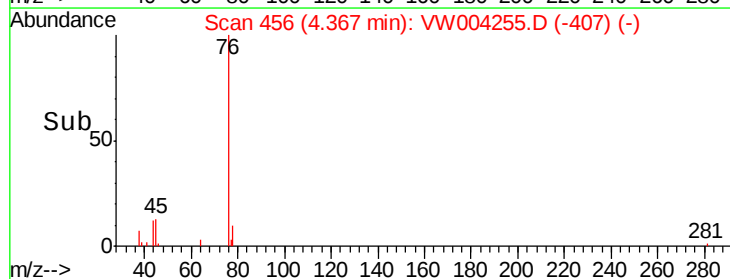
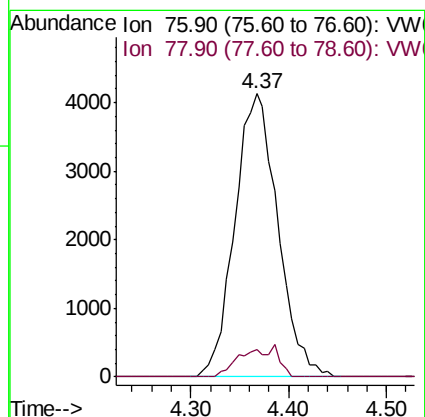
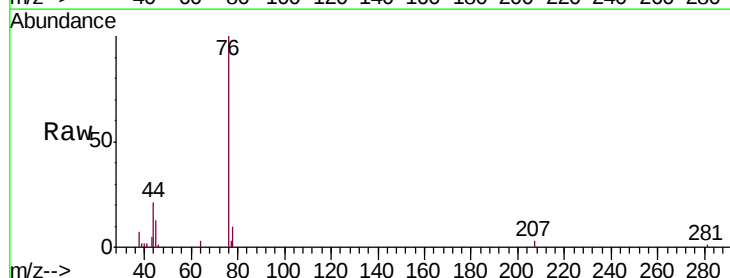
Acq: 27 Jul 2018 06:19

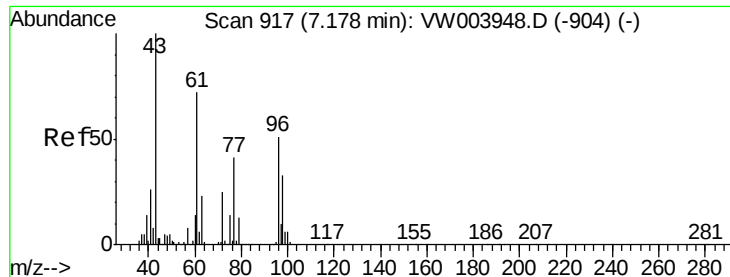
Tgt Ion: 76 Resp: 12606

Ion Ratio Lower Upper

76 100

78 9.6 7.1 10.7





#25

2-Butanone

Concen: 72.048 ug/l

RT: 7.18 min Scan# 917

Delta R.T. 0.00 min

Lab File: VW004255.D

Acq: 27 Jul 2018 06:19

Instrument :

MSVOA_W

ClientSampleId :

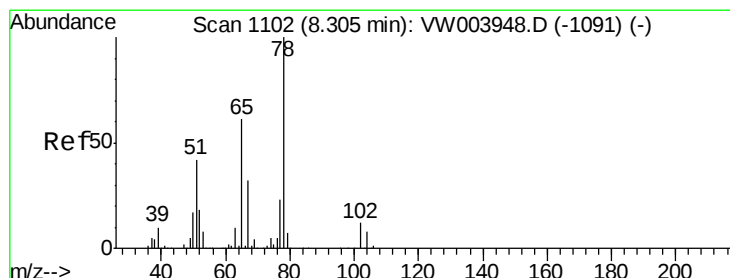
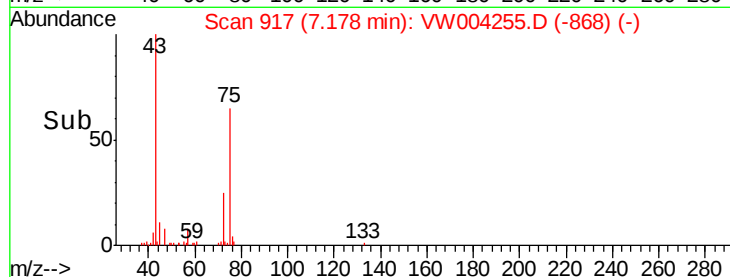
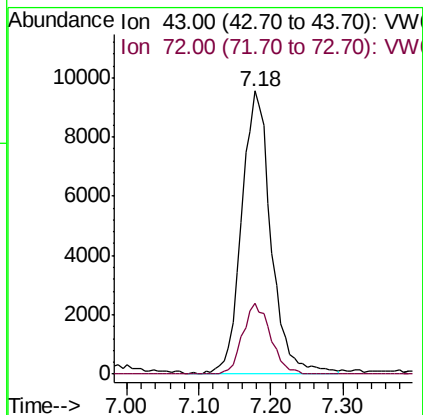
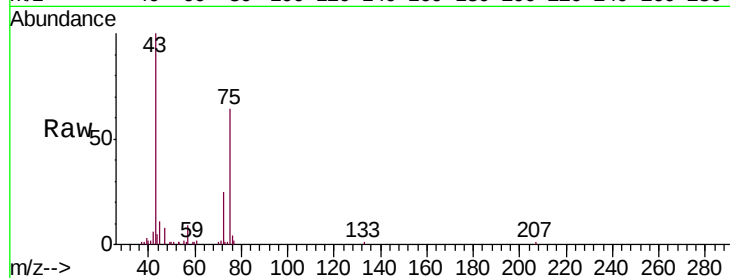
DW-6RE

Tot Ion: 43 Resp: 27157

Ion Ratio Lower Upper

43 100

72 25.1 19.8 29.6



#33

1,2-Dichloroethane-d4

Concen: 85.419 ug/l

RT: 8.31 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VW004255.D

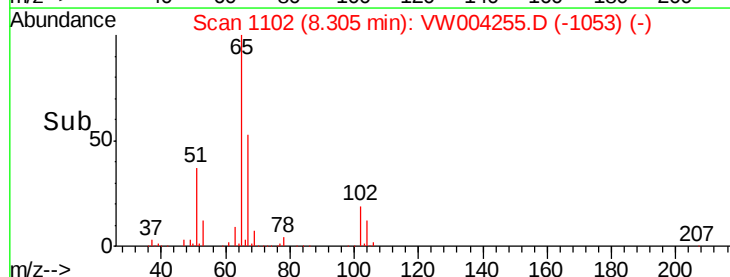
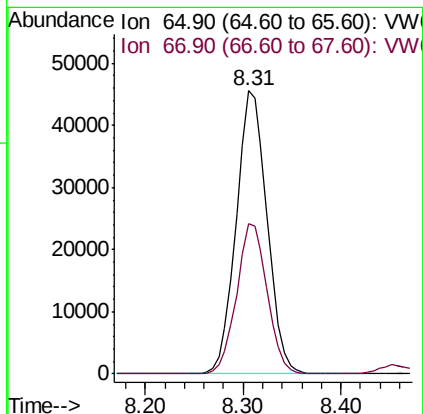
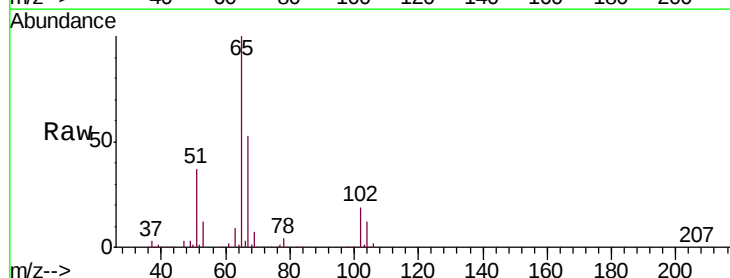
Acq: 27 Jul 2018 06:19

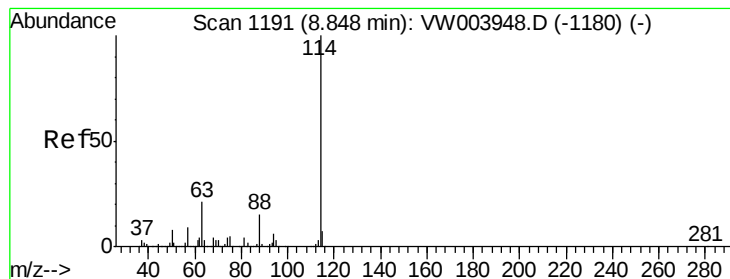
Tgt Ion: 65 Resp: 99565

Ion Ratio Lower Upper

65 100

67 52.5 0.0 105.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1191

Delta R.T. 0.00 min

Lab File: VW004255.D

Acq: 27 Jul 2018 06:19

Instrument :

MSVOA_W

ClientSampleId :

DW-6RE

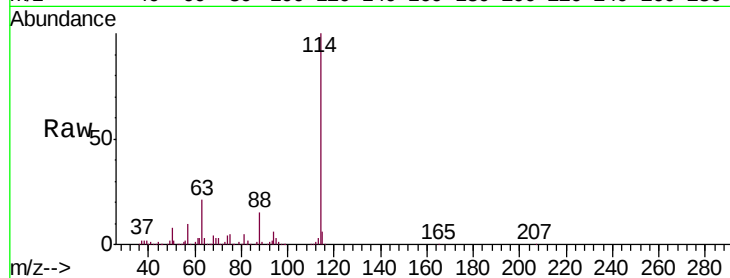
Tot Ion:114 Resp: 236384

Ion Ratio Lower Upper

114 100

63 20.8 0.0 42.8

88 15.3 0.0 30.4



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

150000

100000

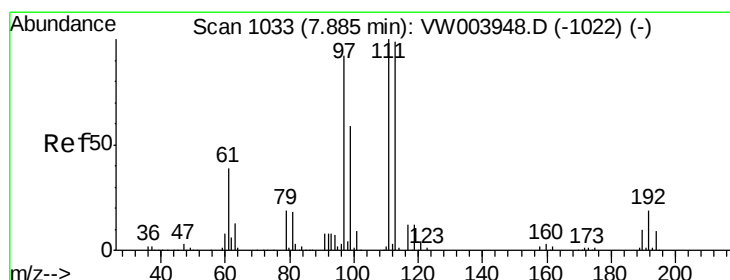
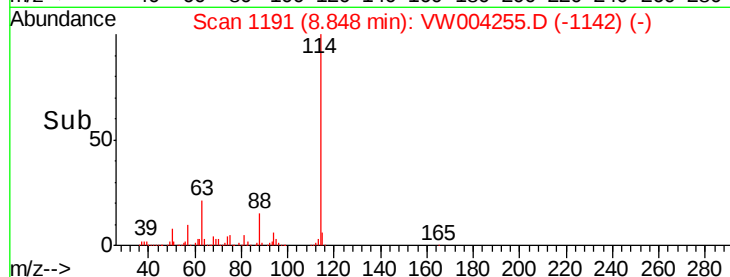
50000

0

8.85

8.80 8.90

Time-->



#35

Dibromofluoromethane

Concen: 56.726 ug/l

RT: 7.88 min Scan# 1033

Delta R.T. 0.00 min

Lab File: VW004255.D

Acq: 27 Jul 2018 06:19

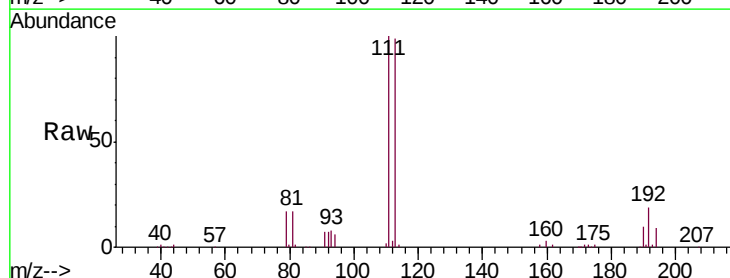
Tgt Ion:113 Resp: 86036

Ion Ratio Lower Upper

113 100

111 102.2 81.3 121.9

192 20.3 15.8 23.6



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

50000

40000

30000

20000

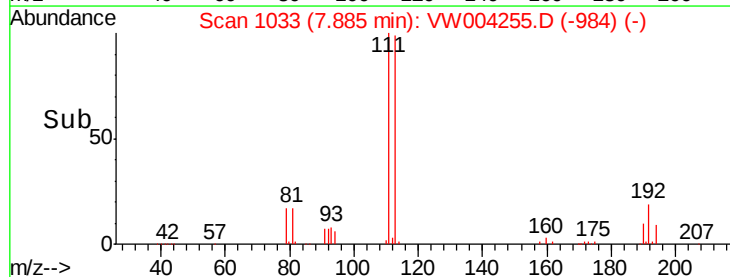
10000

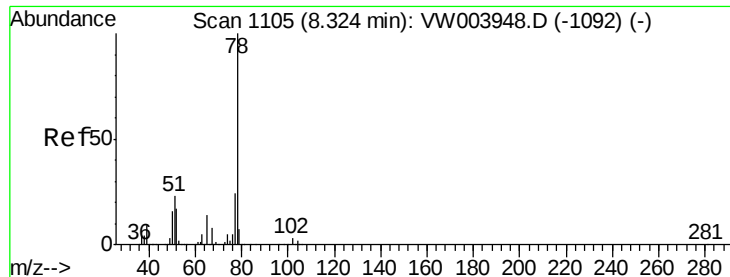
0

7.88

7.80 7.90 8.00

Time-->





#40

Benzene

Concen: 1.398 ug/l

RT: 8.32 min Scan# 1105

Delta R.T. 0.00 min

Lab File: VW004255.D

Acq: 27 Jul 2018 06:19

Instrument :

MSVOA_W

ClientSampleId :

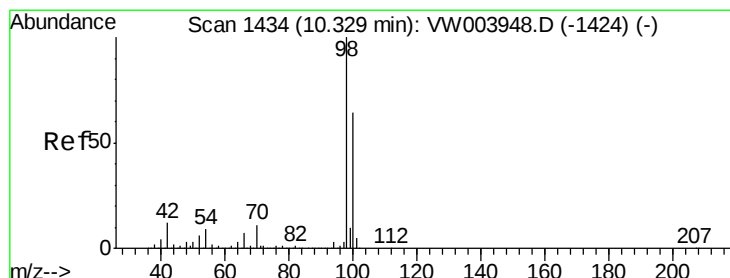
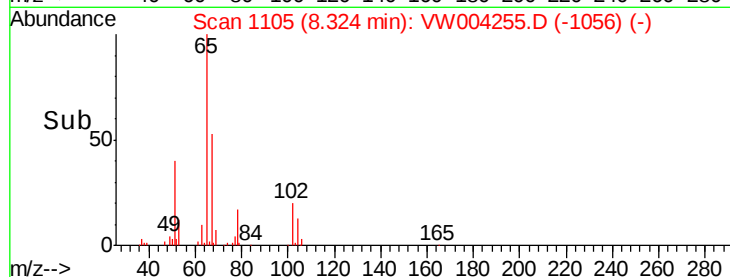
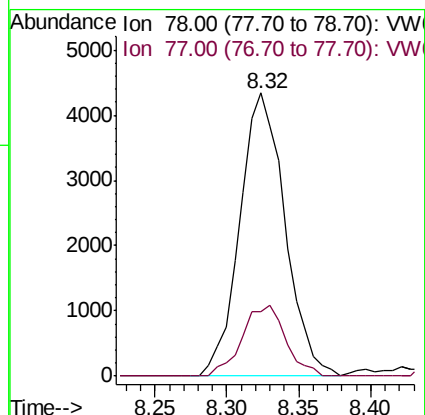
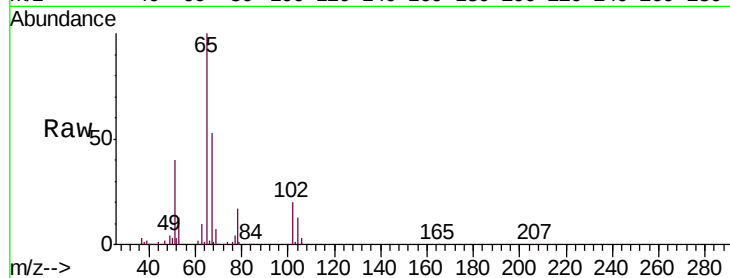
DW-6RE

Tot Ion: 78 Resp: 9431

Ion Ratio Lower Upper

78 100

77 22.8 19.5 29.3



#50

Toluene-d8

Concen: 30.476 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW004255.D

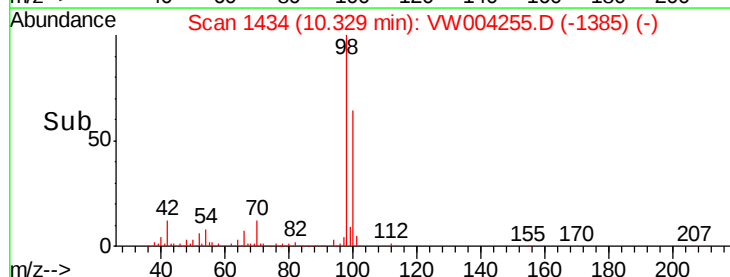
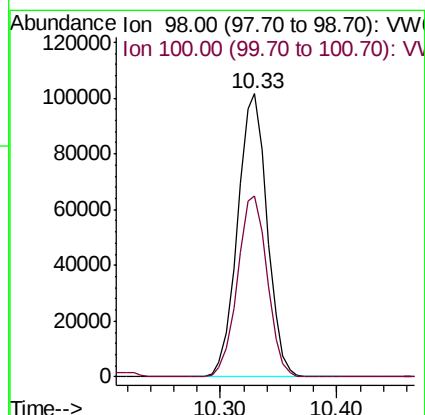
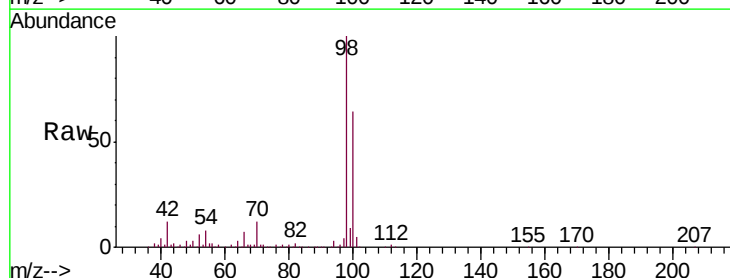
Acq: 27 Jul 2018 06:19

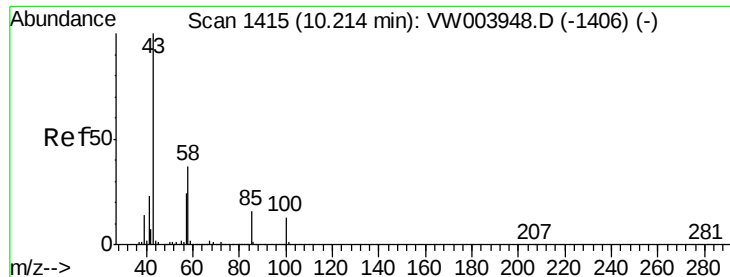
Tgt Ion: 98 Resp: 179354

Ion Ratio Lower Upper

98 100

100 64.5 51.2 76.8





#51

4-Methyl-2-Pentanone

Concen: 17.007 ug/l

RT: 10.22 min Scan# 1416

Delta R.T. 0.01 min

Lab File: VW004255.D

Acq: 27 Jul 2018 06:19

Instrument :

MSVOA_W

ClientSampled :

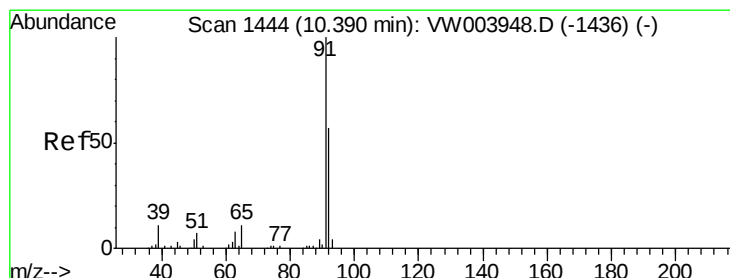
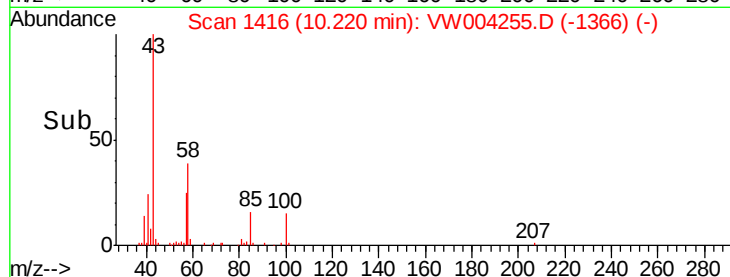
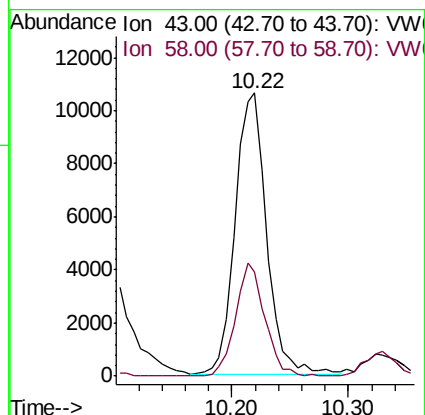
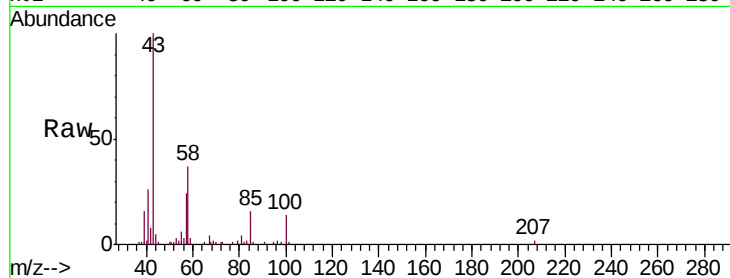
DW-6RE

Tot Ion: 43 Resp: 19880

Ion Ratio Lower Upper

43 100

58 37.3 29.9 44.9



#52

Toluene

Concen: 5.057 ug/l

RT: 10.39 min Scan# 1444

Delta R.T. 0.00 min

Lab File: VW004255.D

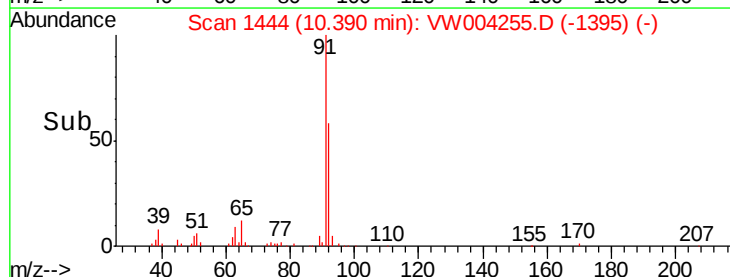
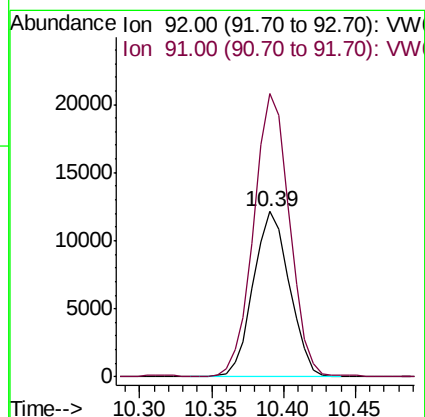
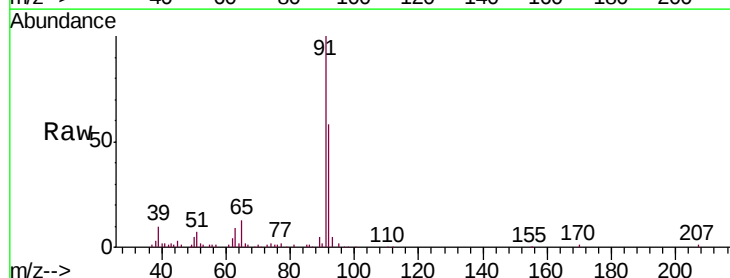
Acq: 27 Jul 2018 06:19

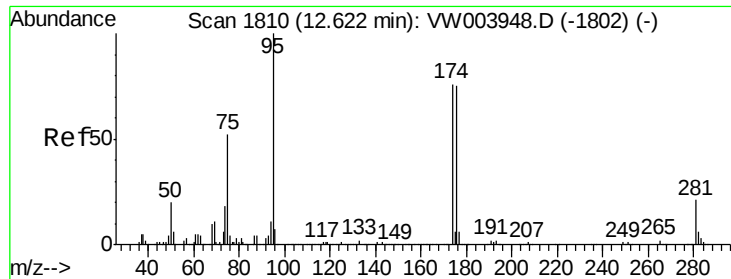
Tgt Ion: 92 Resp: 21098

Ion Ratio Lower Upper

92 100

91 170.1 139.6 209.4

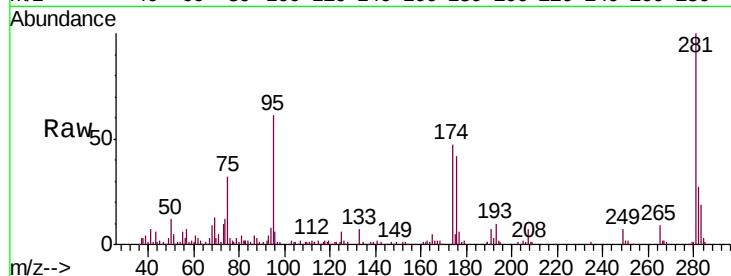




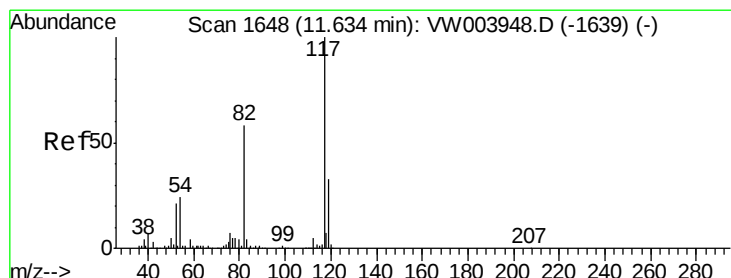
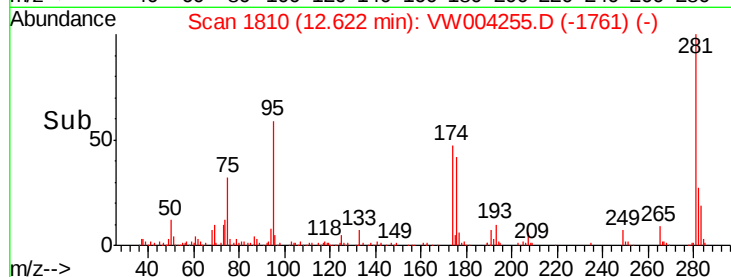
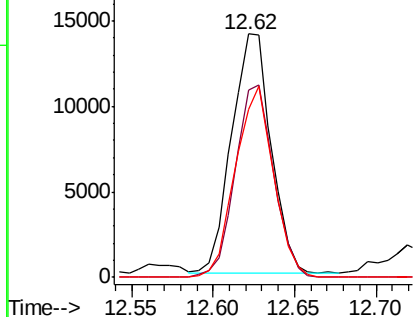
#62
4-Bromofluorobenzene
Concen: 11.170 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VW004255.D
Acq: 27 Jul 2018 06:19

Instrument :
MSVOA_W
ClientSampleId :
DW-6RE

Tot Ion	Ratio	Lower	Upper
95	100		
174	77.7	0.0	160.2
176	76.6	0.0	155.8

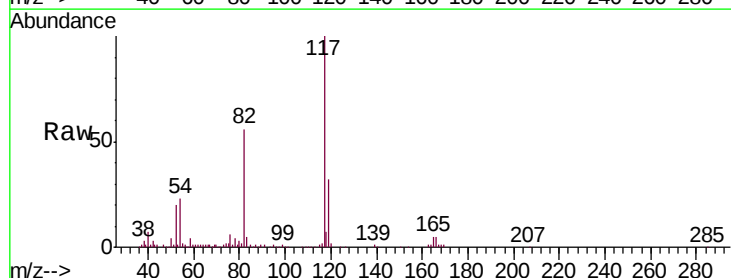


Abundance Ion 94.90 (94.60 to 95.60): VW
Ion 173.80 (173.50 to 174.50): VW
Ion 175.80 (175.50 to 176.50): VW

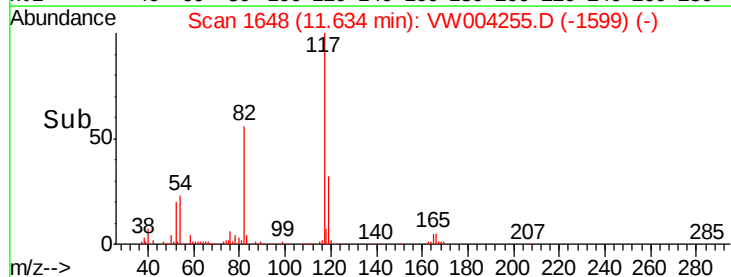
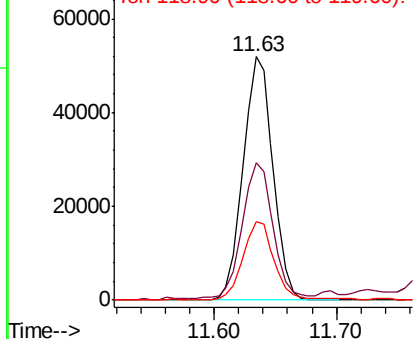


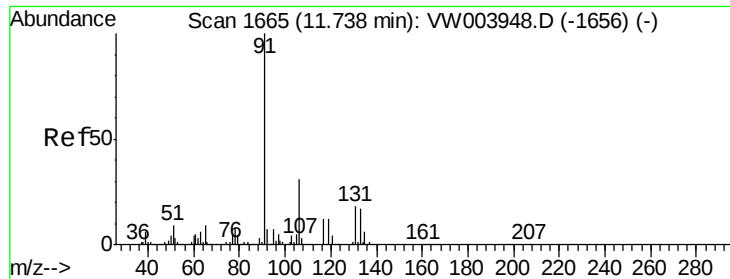
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. 0.00 min
Lab File: VW004255.D
Acq: 27 Jul 2018 06:19

Tgt Ion	Ratio	Lower	Upper
117	100		
82	55.5	46.5	69.7
119	31.8	26.2	39.2



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





#67

Ethyl Benzene

Concen: 34.827 ug/l

RT: 11.74 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VW004255.D

Acq: 27 Jul 2018 06:19

Instrument :

MSVOA_W

ClientSampleId :

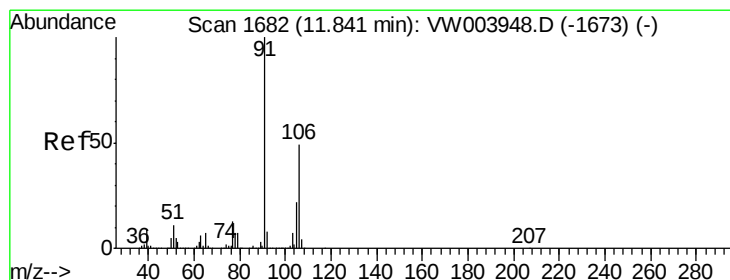
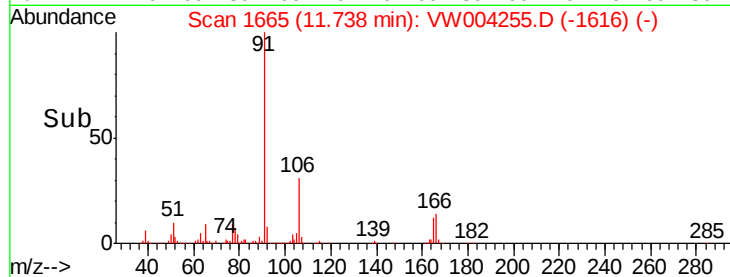
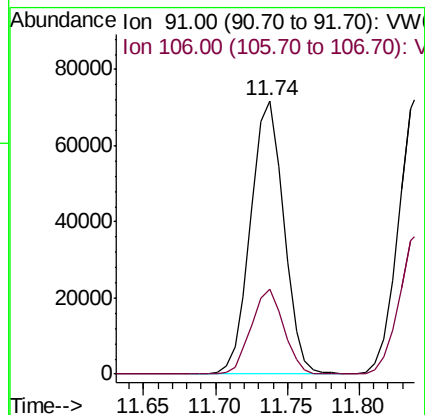
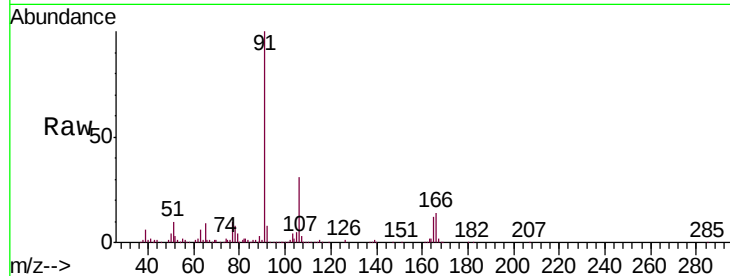
DW-6RE

Tot Ion: 91 Resp: 114118

Ion Ratio Lower Upper

91 100

106 31.0 25.0 37.4



#68

m/p-Xylenes

Concen: 53.234 ug/l

RT: 11.84 min Scan# 1682

Delta R.T. 0.00 min

Lab File: VW004255.D

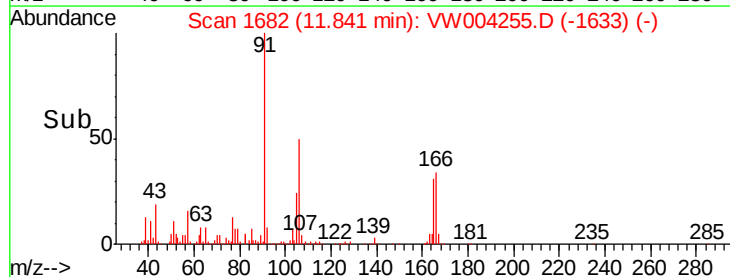
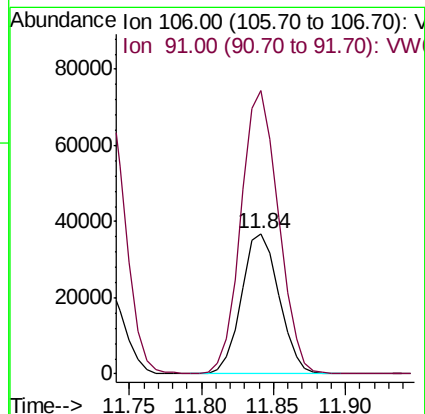
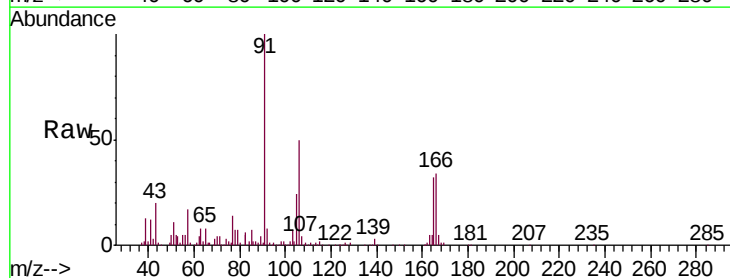
Acq: 27 Jul 2018 06:19

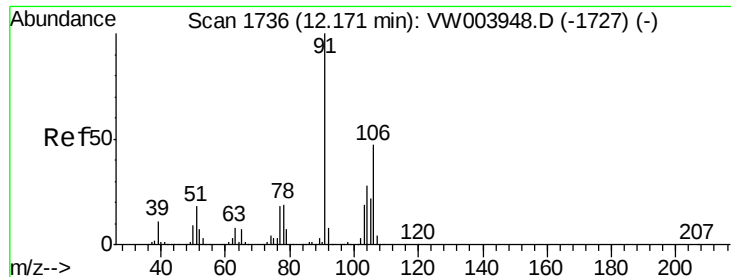
Tgt Ion: 106 Resp: 66669

Ion Ratio Lower Upper

106 100

91 201.1 164.2 246.2

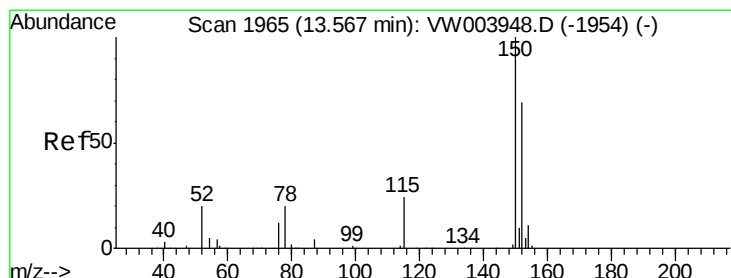
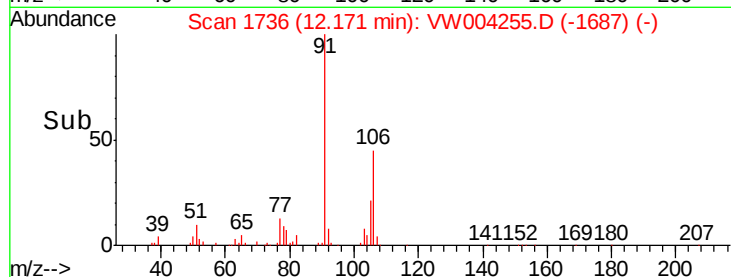
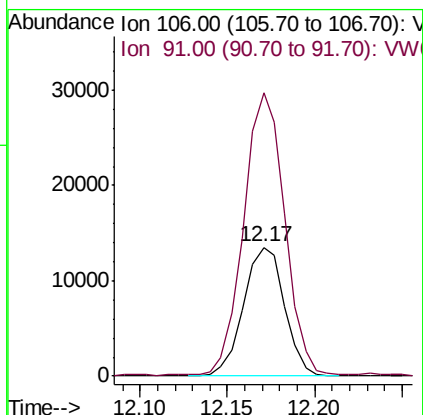
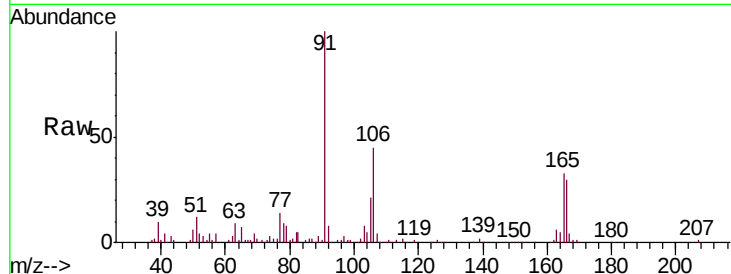




#69
o-Xylene
Concen: 19.101 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VW004255.D
Acq: 27 Jul 2018 06:19

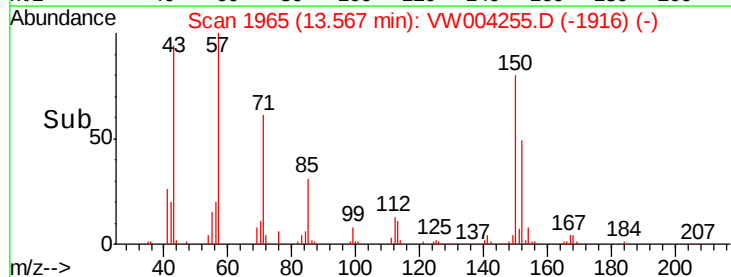
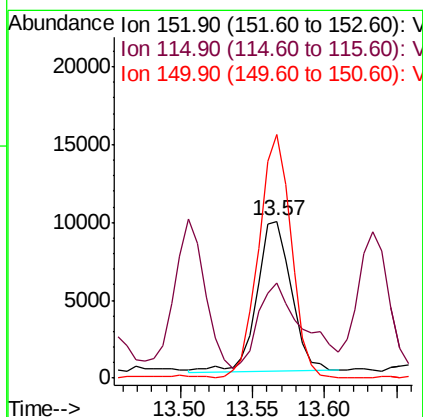
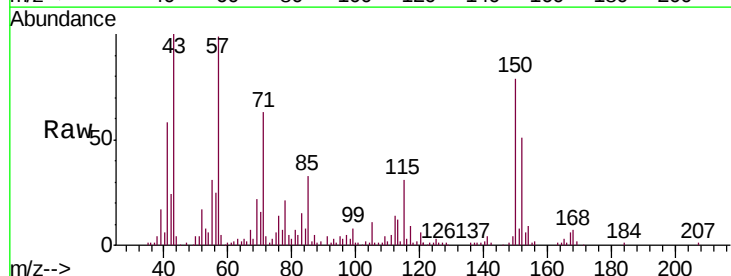
Instrument :
MSVOA_W
ClientSampled :
DW-6RE

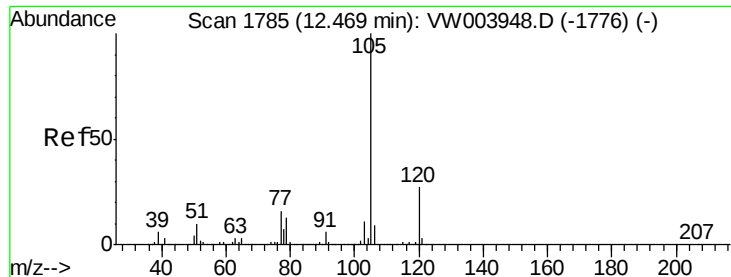
Tot Ion:106 Resp: 22190
Ion Ratio Lower Upper
106 100
91 218.2 107.5 322.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. 0.00 min
Lab File: VW004255.D
Acq: 27 Jul 2018 06:19

Tgt Ion:152 Resp: 15839
Ion Ratio Lower Upper
152 100
115 75.5 29.2 87.6
150 154.7 0.0 345.2





#73

Isopropylbenzene

Concen: 21.798 ug/l

RT: 12.47 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VW004255.D

Acq: 27 Jul 2018 06:19

Instrument :

MSVOA_W

ClientSampleId :

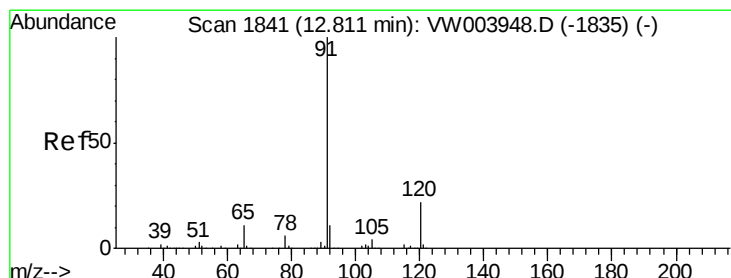
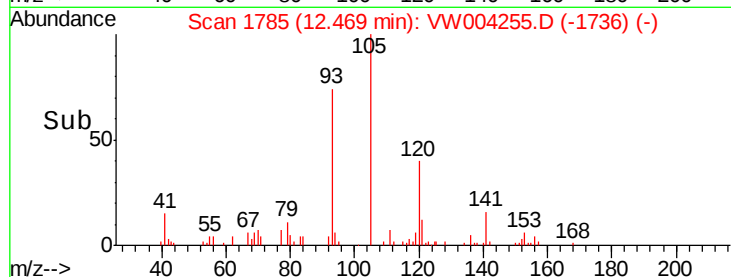
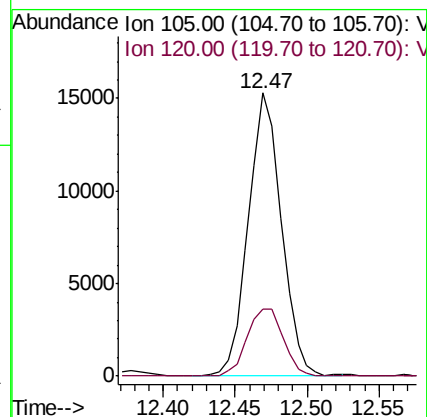
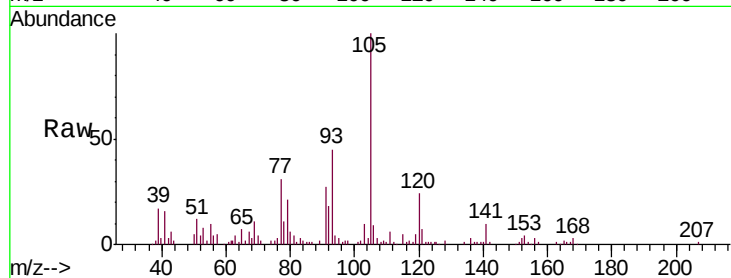
DW-6RE

Tot Ion:105 Resp: 24397

Ion Ratio Lower Upper

105 100

120 25.7 13.2 39.6



#78

n-propylbenzene

Concen: 53.747 ug/l

RT: 12.81 min Scan# 1841

Delta R.T. 0.00 min

Lab File: VW004255.D

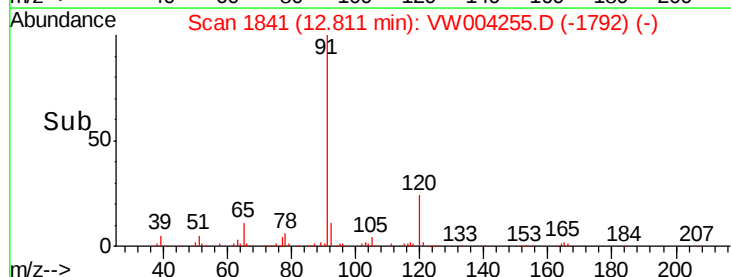
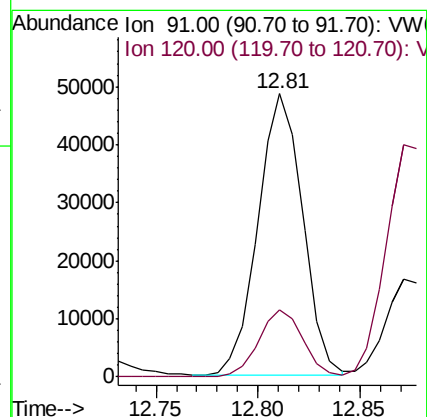
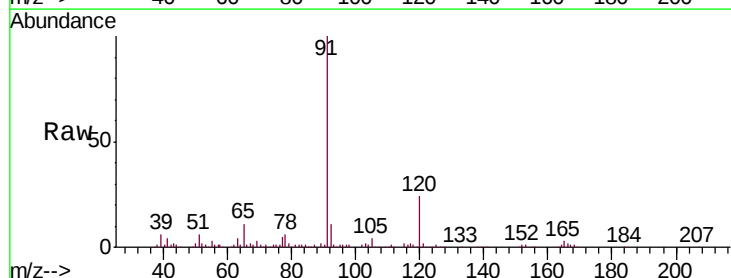
Acq: 27 Jul 2018 06:19

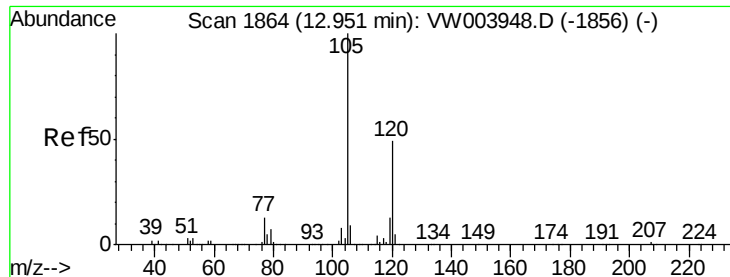
Tgt Ion: 91 Resp: 73800

Ion Ratio Lower Upper

91 100

120 23.6 11.2 33.6

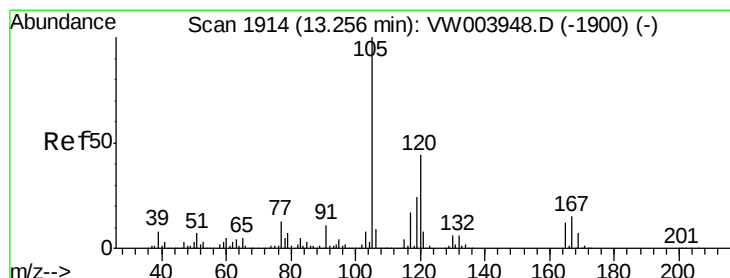
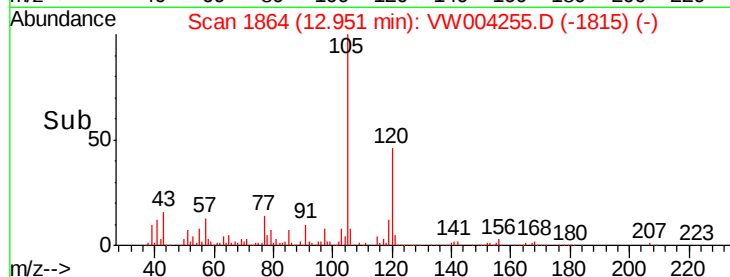
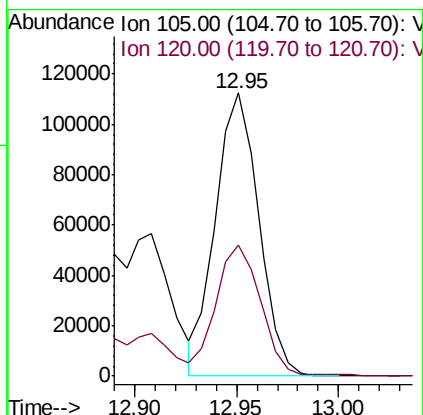
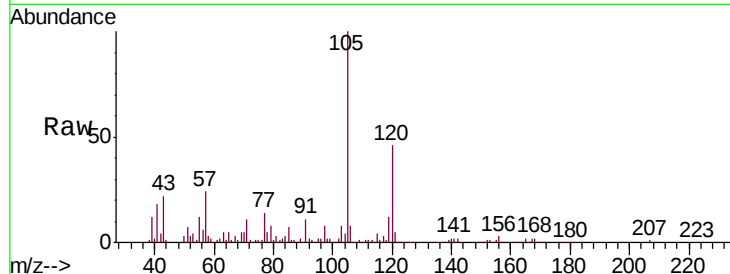




#80
 1,3,5-Trimethylbenzene
 Concen: 175.270 ug/l
 RT: 12.95 min Scan# 1864
 Delta R.T. 0.00 min
 Lab File: VW004255.D
 Acq: 27 Jul 2018 06:19

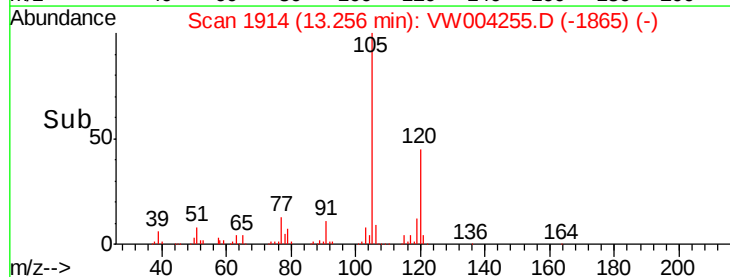
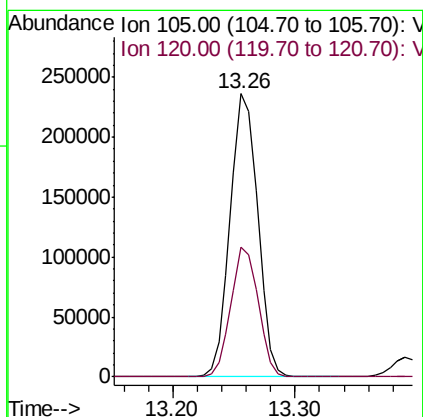
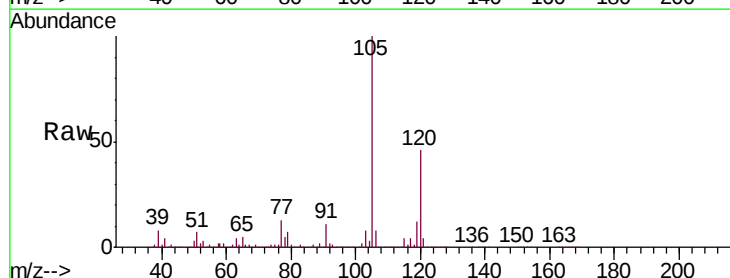
Instrument :
 MSVOA_W
 ClientSampleId :
 DW-6RE

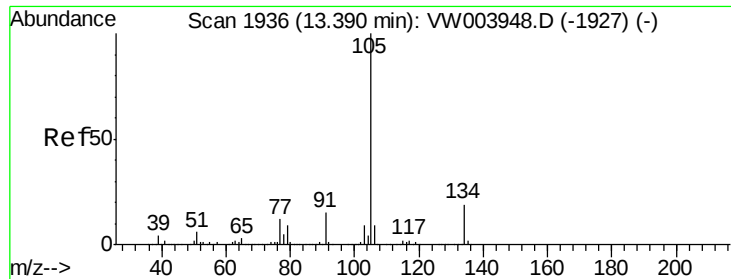
Tot Ion:105 Resp: 165082
 Ion Ratio Lower Upper
 105 100
 120 48.4 24.4 73.2



#84
 1,2,4-Trimethylbenzene
 Concen: 380.145 ug/l
 RT: 13.26 min Scan# 1914
 Delta R.T. 0.00 min
 Lab File: VW004255.D
 Acq: 27 Jul 2018 06:19

Tgt Ion:105 Resp: 368375
 Ion Ratio Lower Upper
 105 100
 120 45.6 22.1 66.1

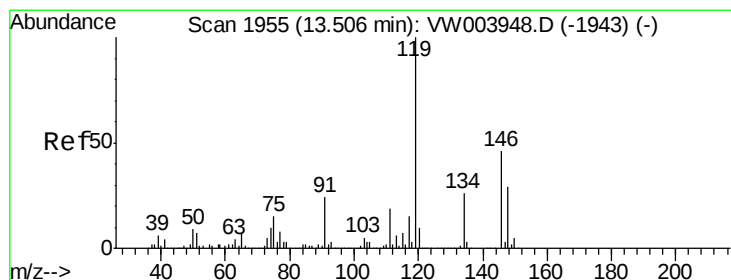
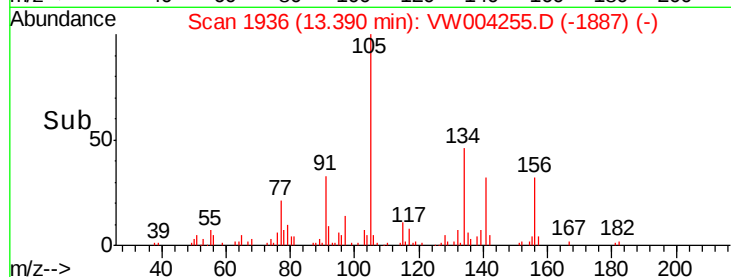
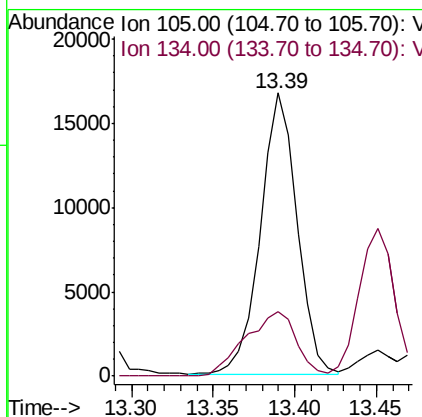
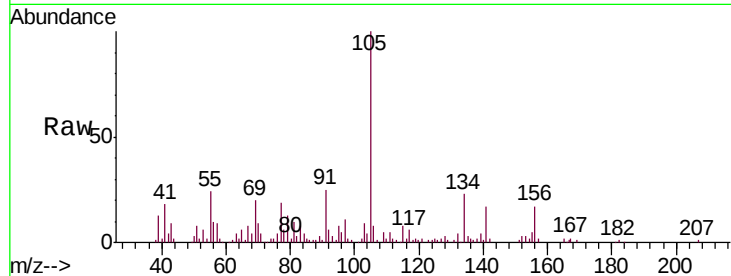




#85
 sec-Butylbenzene
 Concen: 22.184 ug/l
 RT: 13.39 min Scan# 1936
 Delta R.T. 0.00 min
 Lab File: VW004255.D
 Acq: 27 Jul 2018 06:19

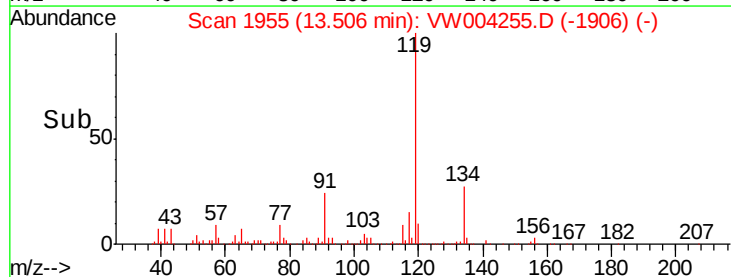
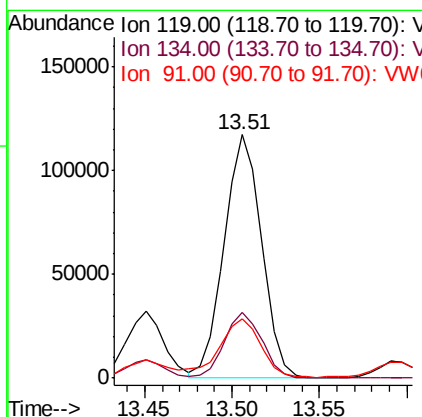
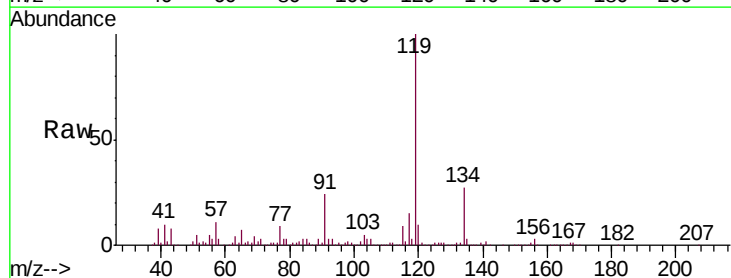
Instrument :
 MSVOA_W
 ClientSampleID :
 DW-6RE

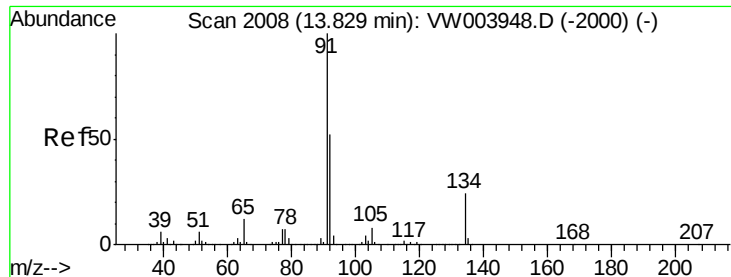
Tot Ion:105 Resp: 26029
 Ion Ratio Lower Upper
 105 100
 134 32.0 9.8 29.4#



#86
 p-Isopropyltoluene
 Concen: 169.318 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW004255.D
 Acq: 27 Jul 2018 06:19

Tgt Ion:119 Resp: 174256
 Ion Ratio Lower Upper
 119 100
 134 27.1 13.0 38.9
 91 26.8 11.8 35.3

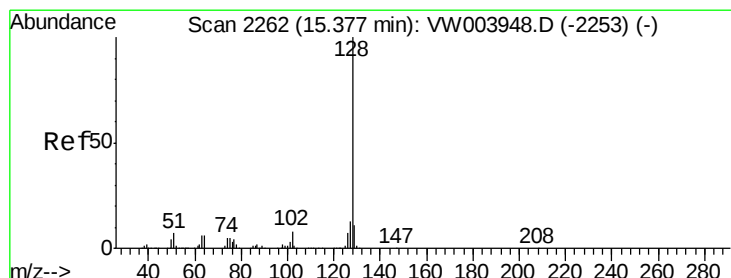
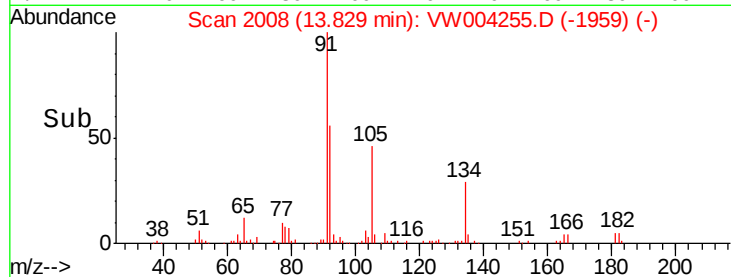
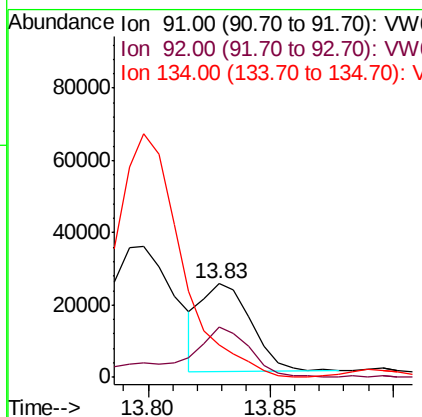
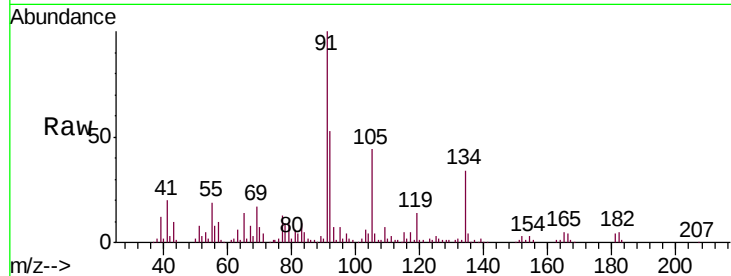




#89
n-Butylbenzene
Concen: 33.569 ug/l
RT: 13.83 min Scan# 2008
Delta R.T. 0.00 min
Lab File: VW004255.D
Acq: 27 Jul 2018 06:19

Instrument :
MSVOA_W
ClientSampleId :
DW-6RE

Tot Ion: 91 Resp: 33962
Ion Ratio Lower Upper
91 100
92 73.1 26.1 78.3
134 0.0 12.4 37.4#



#95
Naphthalene
Concen: 23726.040 ug/l
RT: 15.38 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VW004255.D
Acq: 27 Jul 2018 06:19

Tgt Ion:128 Resp:14657407
Ion Ratio Lower Upper
128 100
127 13.9 10.7 16.1
129 12.0 8.7 13.1

