

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW110118\
 Data File : VW006533.D
 Acq On : 31 Oct 2018 18:19
 Operator : SY/AP
 Sample : J5194-09RE
 Misc : 6.07G/5ML/MSVOA_W/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 HR-05-102618-BRE

Quant Time: Oct 31 18:43:34 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 18 17:01:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	219961	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	310660	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	197182	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	46271	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	111601	61.20	ug/l	0.00
Spiked Amount 50.000			Recovery	=	122.40%	
35) Dibromofluoromethane	7.89	113	111260	60.61	ug/l	0.00
Spiked Amount 50.000			Recovery	=	121.22%	
50) Toluene-d8	10.33	98	342495	49.04	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.08%	
62) 4-Bromofluorobenzene	12.62	95	65490	24.97	ug/l	0.00
Spiked Amount 50.000			Recovery	=	49.94%	

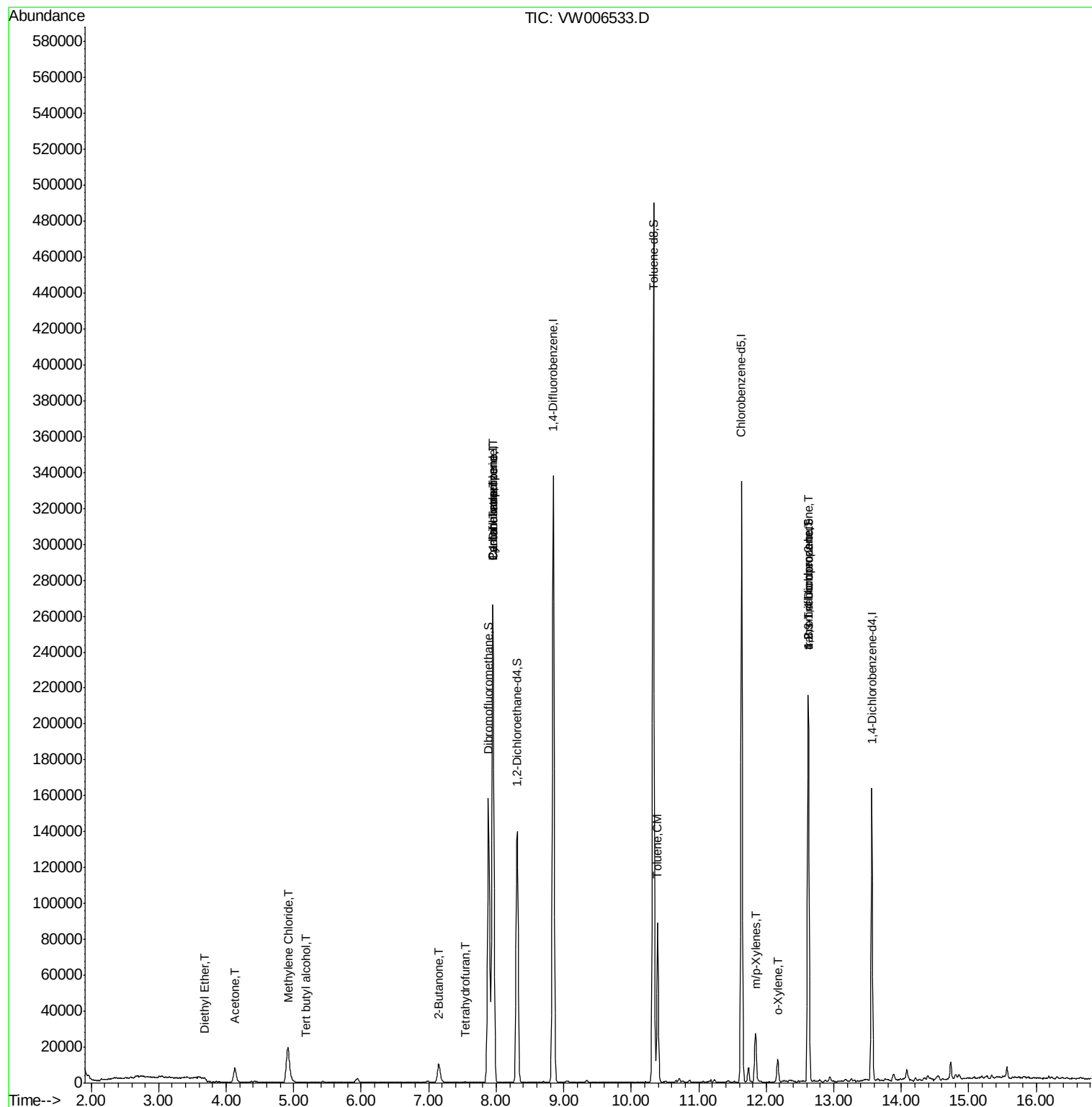
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	1275	1.29	ug/l	95
11) Tert butyl alcohol	5.18	59	233	1.90	ug/l #	71
16) Acetone	4.13	43	14112	28.11	ug/l	91
20) Methylene Chloride	4.92	84	18378	8.16	ug/l	93
25) 2-Butanone	7.14	43	693	1.41	ug/l #	46
29) Tetrahydrofuran	7.53	42	363	1.20	ug/l #	39
31) Cyclohexane	7.95	56	3638	1.09	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	13386	4.67	ug/l #	49
38) Carbon Tetrachloride	7.95	117	18926	6.03	ug/l #	17
52) Toluene	10.39	92	38419	7.30	ug/l	99
68) m/p-Xylenes	11.84	106	8699	3.01	ug/l	93
69) o-Xylene	12.17	106	3501	1.27	ug/l	97
76) 1,2,3-Trichloropropane	12.62	75	31789	89.95	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	31789	215.01	ug/l #	10

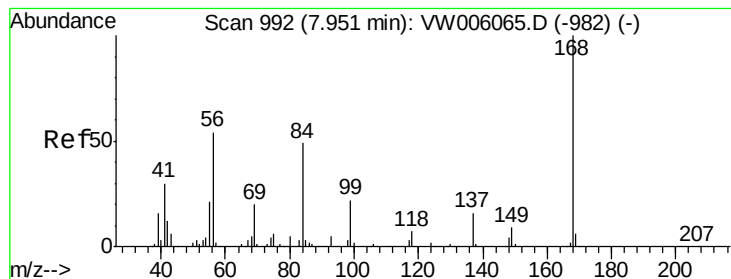
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW006533.D

Acq: 31 Oct 2018 18:19

Instrument :

MSVOA_W

ClientSampleId :

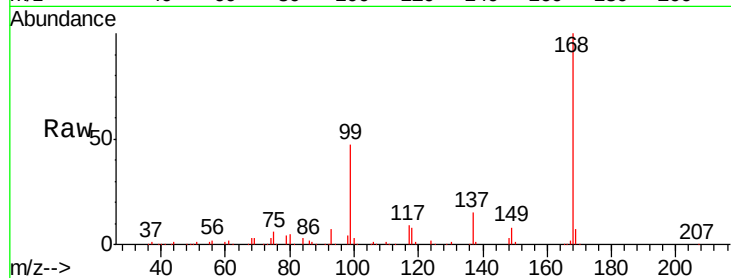
HR-05-102618-BRE

Tgt Ion: 168 Resp: 219961

Ion Ratio Lower Upper

168 100

99 46.7 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

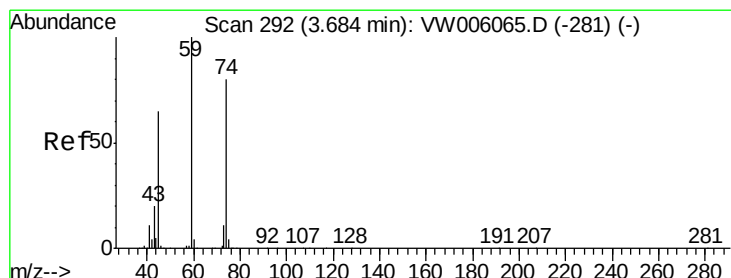
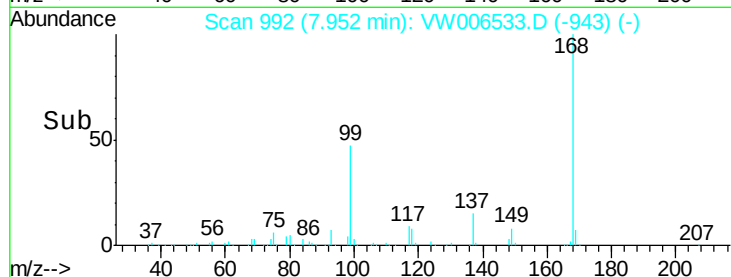
60000

40000

20000

0

Time-->



#8

Diethyl Ether

Concen: 1.29 ug/l

RT: 3.68 min Scan# 292

Delta R.T. 0.00 min

Lab File: VW006533.D

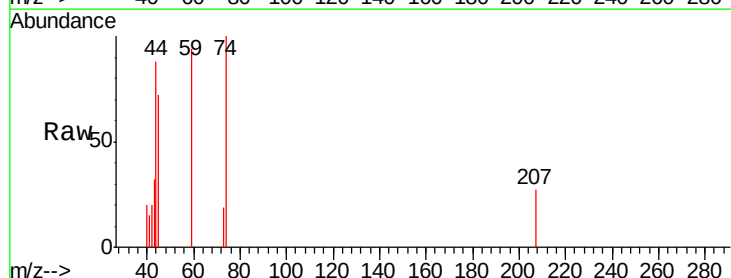
Acq: 31 Oct 2018 18:19

Tgt Ion: 74 Resp: 1275

Ion Ratio Lower Upper

74 100

45 90.5 42.8 128.3



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.68

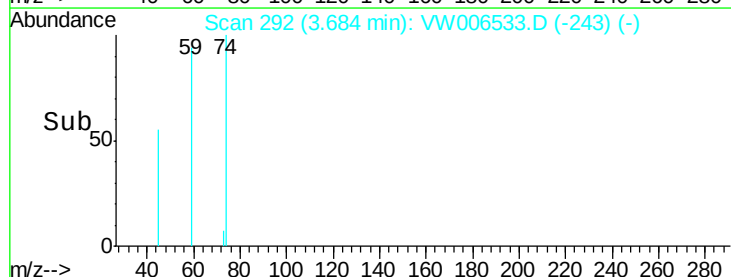
600

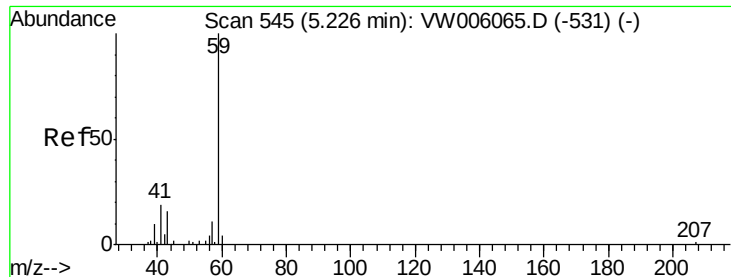
400

200

0

Time-->

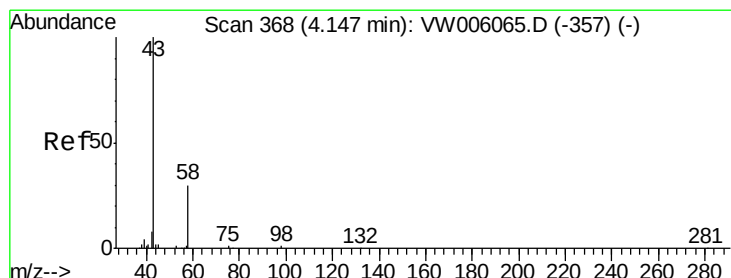
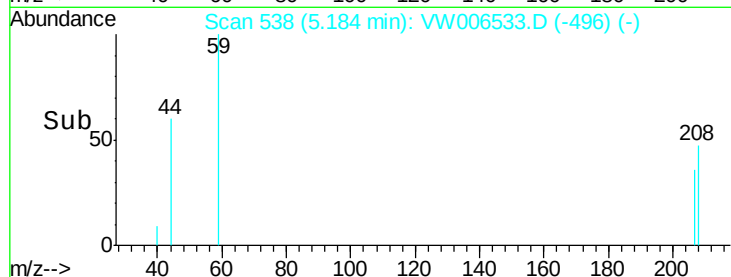
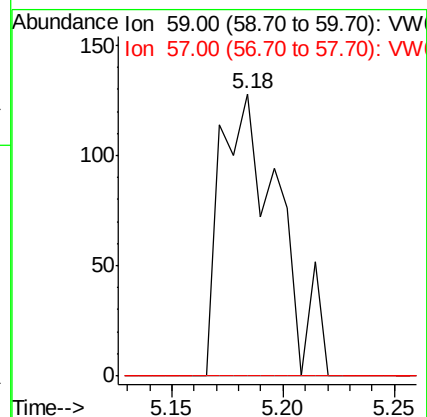
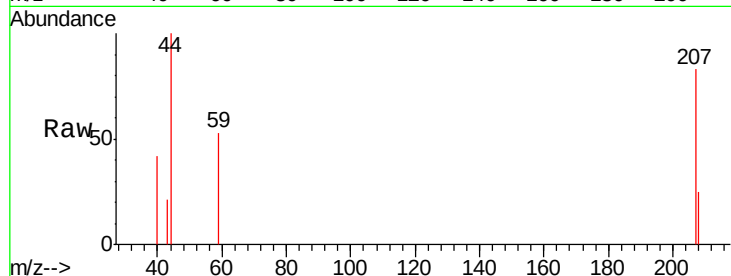




#11
Tert butyl alcohol
Concen: 1.90 ug/l
RT: 5.18 min Scan# 538
Delta R.T. -0.04 min
Lab File: VW006533.D
Acq: 31 Oct 2018 18:19

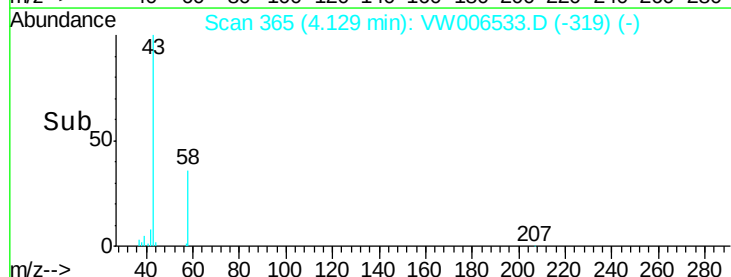
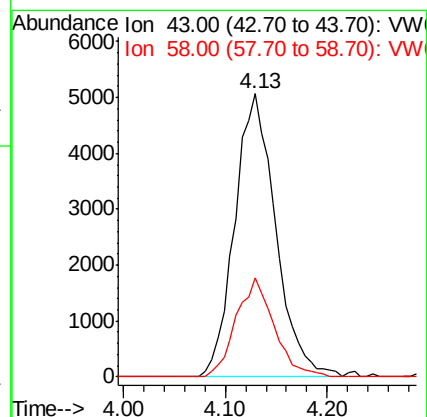
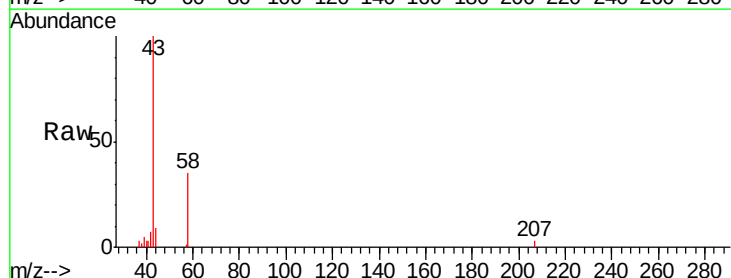
Instrument :
MSVOA_W
ClientSampleId :
HR-05-102618-BRE

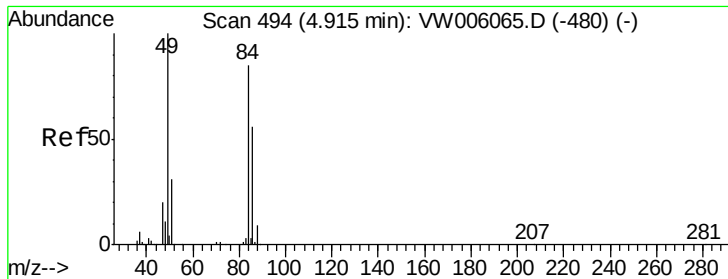
Tgt Ion: 59 Resp: 233
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#



#16
Acetone
Concen: 28.11 ug/l
RT: 4.13 min Scan# 365
Delta R.T. -0.02 min
Lab File: VW006533.D
Acq: 31 Oct 2018 18:19

Tgt Ion: 43 Resp: 14112
Ion Ratio Lower Upper
43 100
58 35.0 24.0 36.0

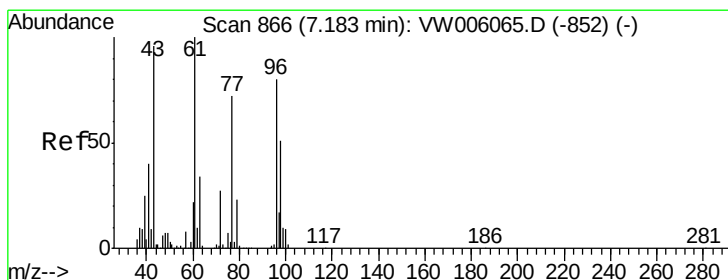
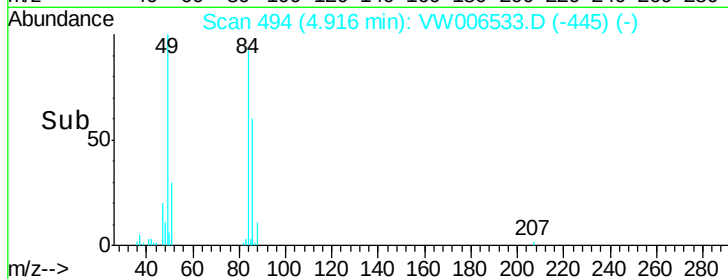
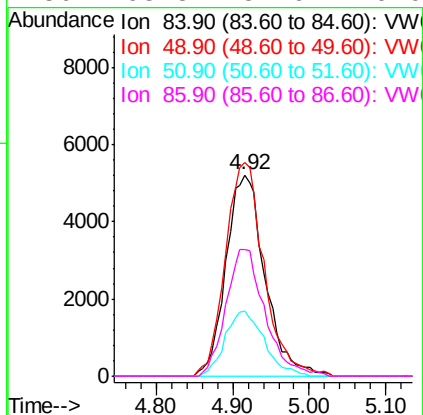
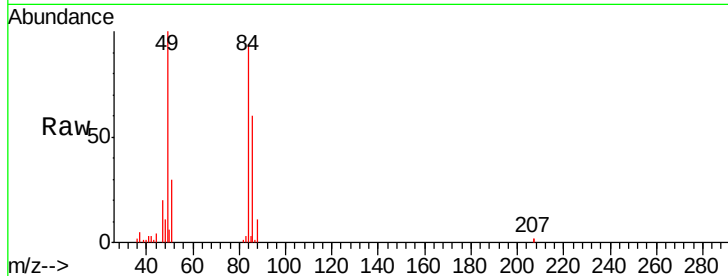




#20
Methylene Chloride
Concen: 8.16 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW006533.D
Acq: 31 Oct 2018 18:19

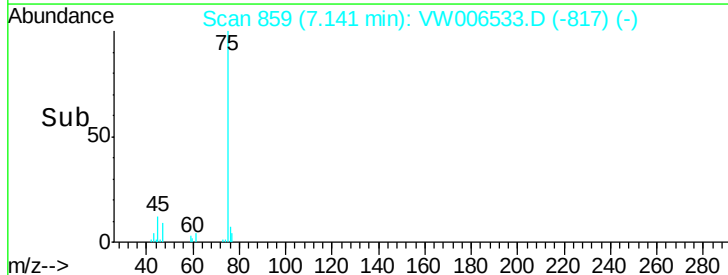
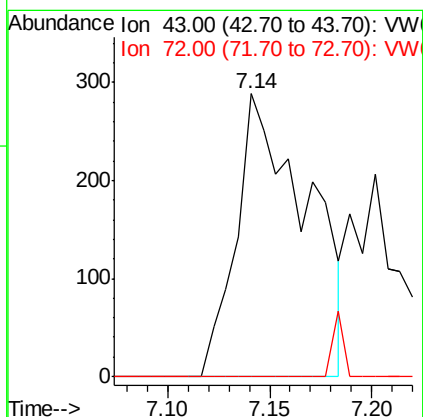
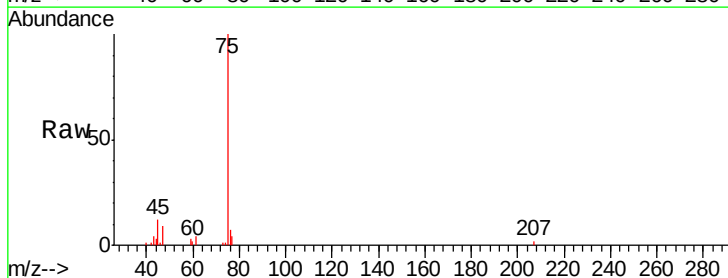
Instrument :
MSVOA_W
ClientSampleId :
HR-05-102618-BRE

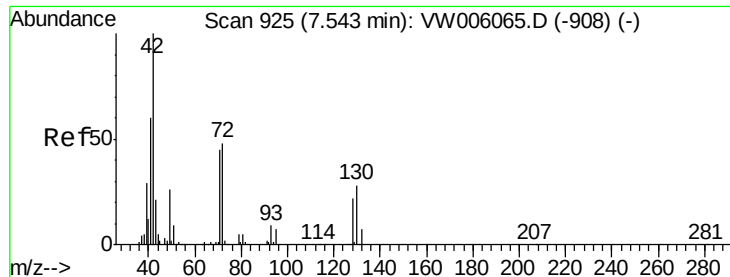
Tgt Ion:	84	Resp:	18378
Ion	Ratio	Lower	Upper
84	100		
49	106.1	93.6	140.4
51	32.3	29.0	43.4
86	63.3	52.6	79.0



#25
2-Butanone
Concen: 1.41 ug/l
RT: 7.14 min Scan# 859
Delta R.T. -0.04 min
Lab File: VW006533.D
Acq: 31 Oct 2018 18:19

Tgt Ion:	43	Resp:	693
Ion	Ratio	Lower	Upper
43	100		
72	0.0	22.8	34.2#





#29

Tetrahydrofuran

Concen: 1.20 ug/l

RT: 7.53 min Scan# 923

Delta R.T. -0.01 min

Lab File: VW006533.D

Acq: 31 Oct 2018 18:19

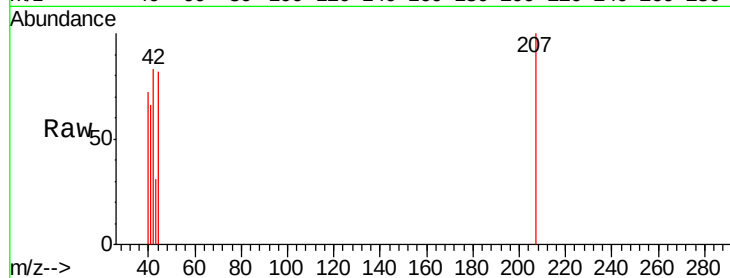
Instrument :

MSVOA_W

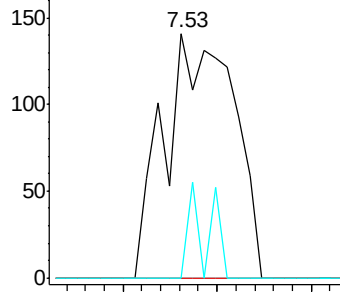
ClientSampleId :

HR-05-102618-BRE

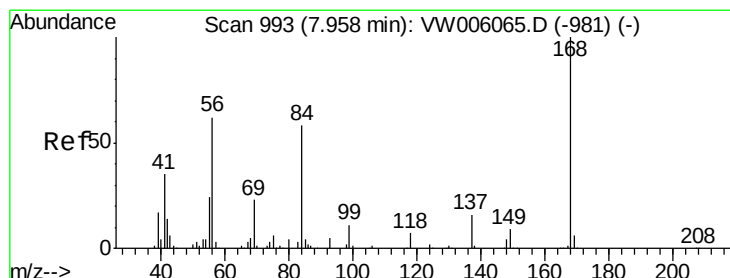
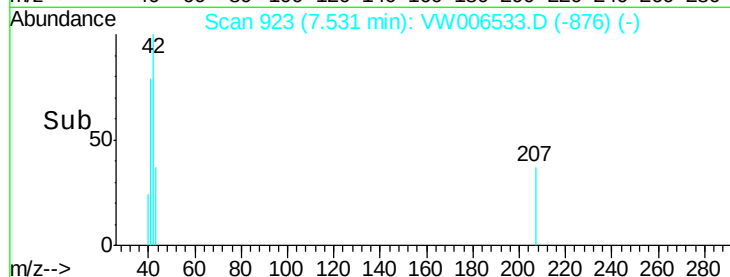
Tgt Ion:	42	Resp:	363
Ion	Ratio	Lower	Upper
42	100		
72	0.0	38.0	57.0#
71	10.7	35.3	52.9#



Abundance Ion 42.00 (41.70 to 42.70): VW
 Ion 72.00 (71.70 to 72.70): VW
 Ion 71.00 (70.70 to 71.70): VW



Time-->



#31

Cyclohexane

Concen: 1.09 ug/l

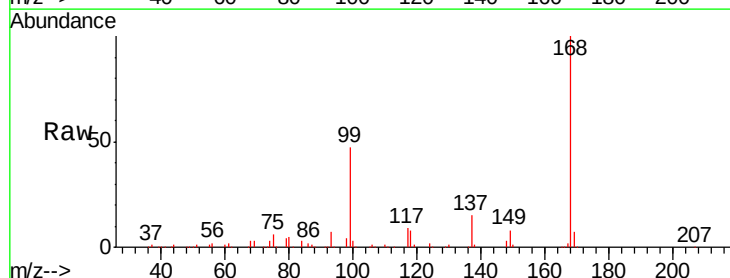
RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

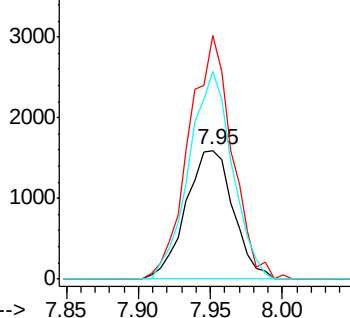
Lab File: VW006533.D

Acq: 31 Oct 2018 18:19

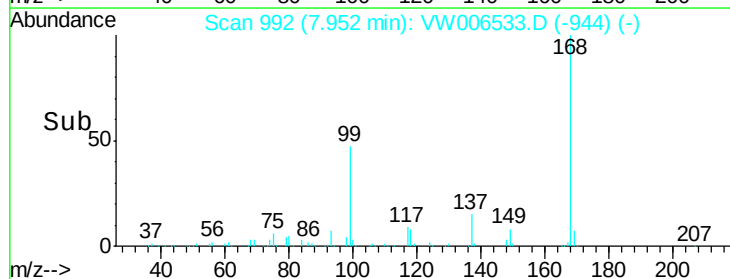
Tgt Ion:	56	Resp:	3638
Ion	Ratio	Lower	Upper
56	100		
69	189.4	29.4	44.0#
84	161.5	74.0	111.0#

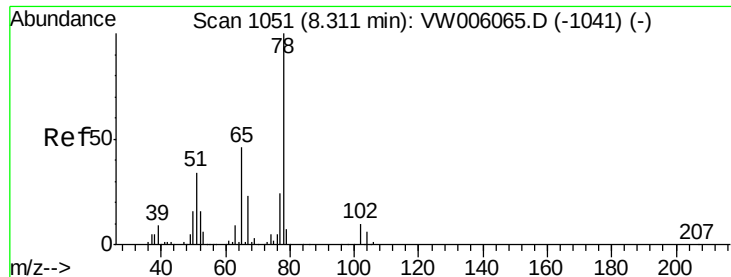


Abundance Ion 56.00 (55.70 to 56.70): VW
 Ion 69.00 (68.70 to 69.70): VW
 Ion 84.00 (83.70 to 84.70): VW



Time-->

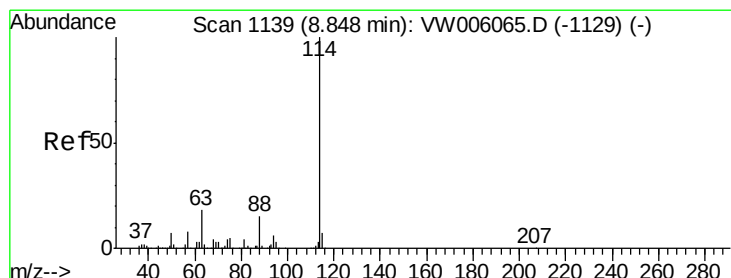
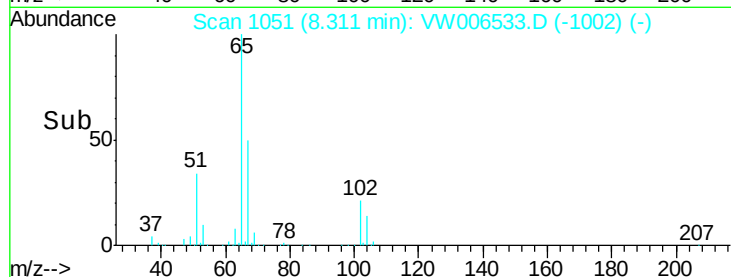
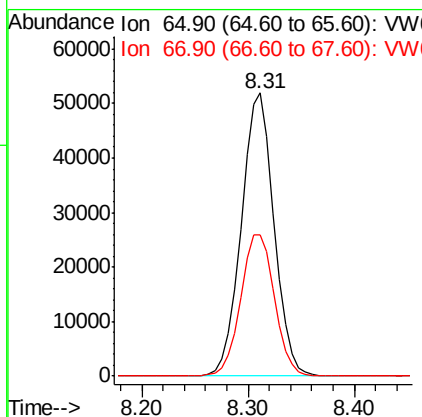
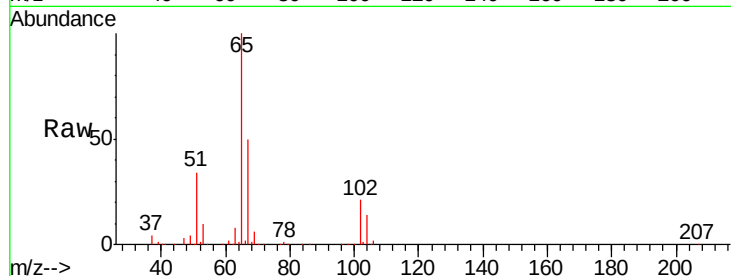




#33
 1,2-Dichloroethane-d4
 Concen: 61.20 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VW006533.D
 Acq: 31 Oct 2018 18:19

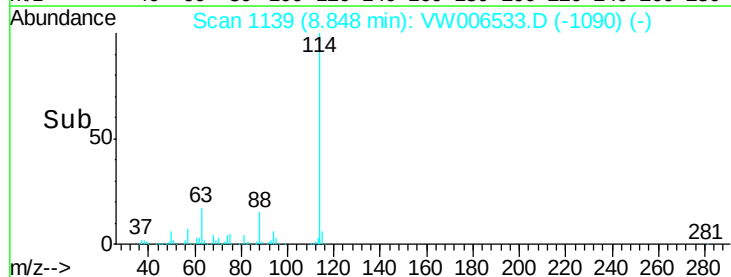
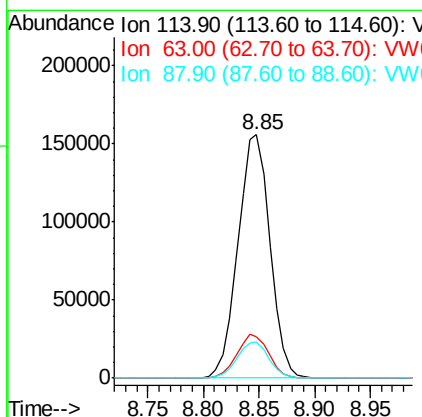
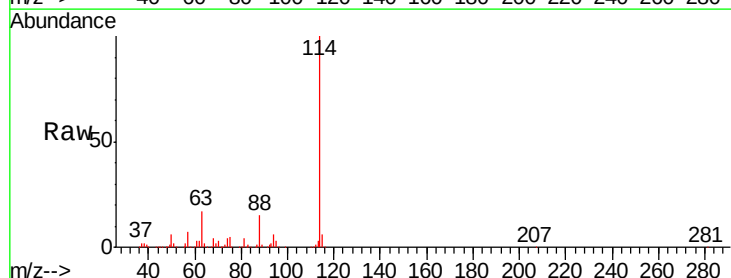
Instrument :
 MSVOA_W
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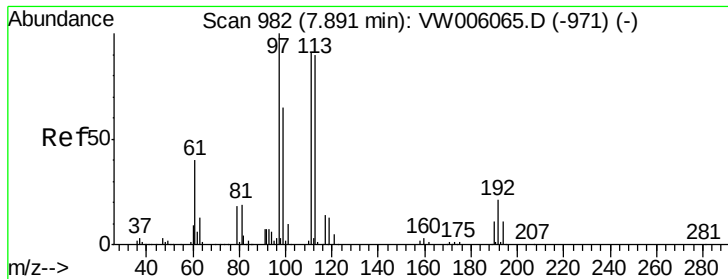
Tgt Ion: 65 Resp: 111601
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 101.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.00 min
 Lab File: VW006533.D
 Acq: 31 Oct 2018 18:19

Tgt Ion: 114 Resp: 310660
 Ion Ratio Lower Upper
 114 100
 63 17.1 0.0 36.8
 88 14.8 0.0 29.0





#35

Dibromofluoromethane

Concen: 60.61 ug/l

RT: 7.89 min Scan# 982

Delta R.T. 0.00 min

Lab File: VW006533.D

Acq: 31 Oct 2018 18:19

Instrument :

MSVOA_W

ClientSampleId :

HR-05-102618-BRE

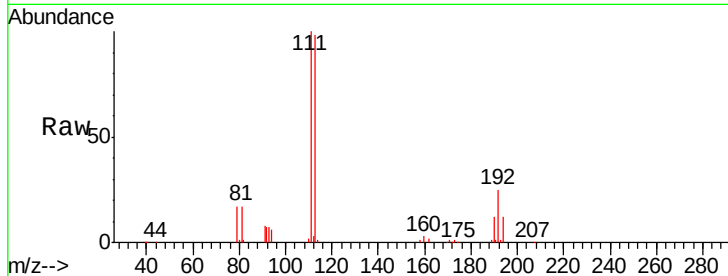
Tgt Ion:113 Resp: 111260

Ion Ratio Lower Upper

113 100

111 102.8 81.4 122.0

192 24.4 18.7 28.1

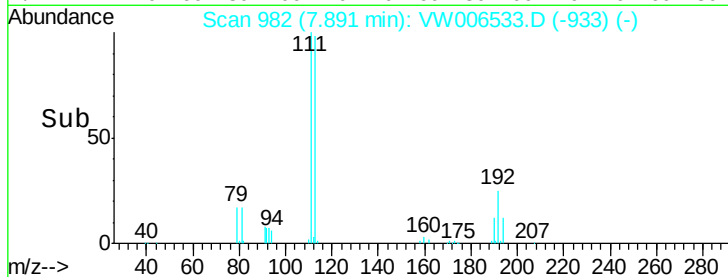


Abundance Ion 112.80 (112.50 to 113.50): V

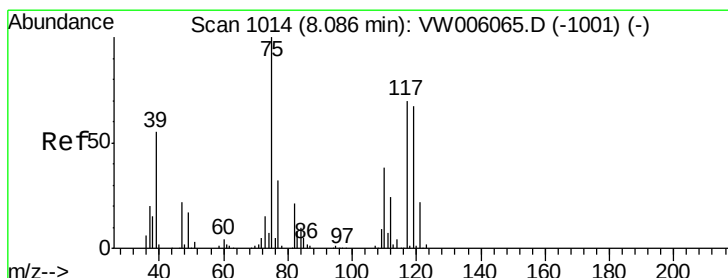
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

Time-->



Time-->



#36

1,1-Dichloropropene

Concen: 4.67 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.14 min

Lab File: VW006533.D

Acq: 31 Oct 2018 18:19

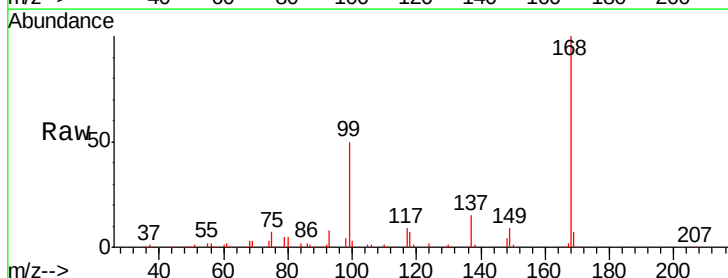
Tgt Ion: 75 Resp: 13386

Ion Ratio Lower Upper

75 100

110 10.4 19.1 57.1#

77 0.0 25.0 37.4#

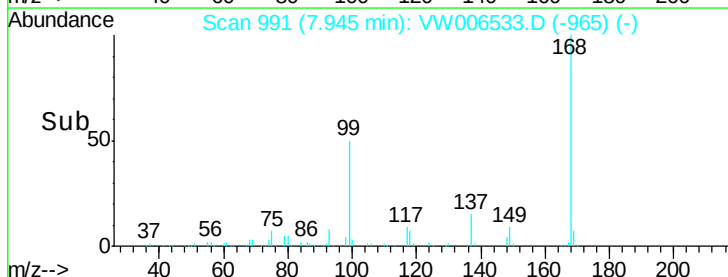


Abundance Ion 74.90 (74.60 to 75.60): VW

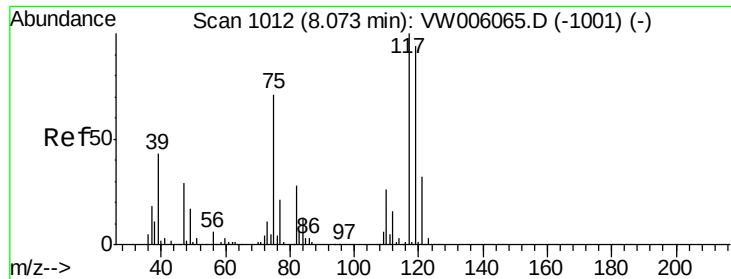
Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

Time-->



Time-->



#38

Carbon Tetrachloride

Concen: 6.03 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW006533.D

Acq: 31 Oct 2018 18:19

Instrument :

MSVOA_W

ClientSampleId :

HR-05-102618-BRE

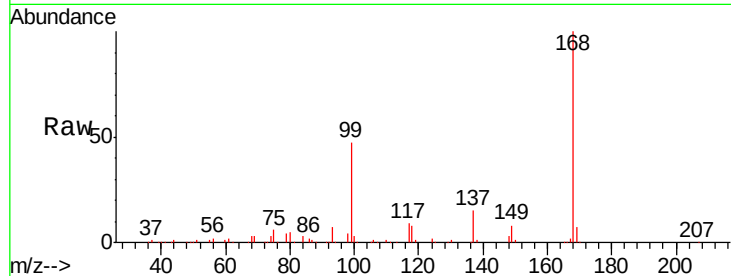
Tgt Ion:117 Resp: 18926

Ion Ratio Lower Upper

117 100

119 5.8 75.2 112.8#

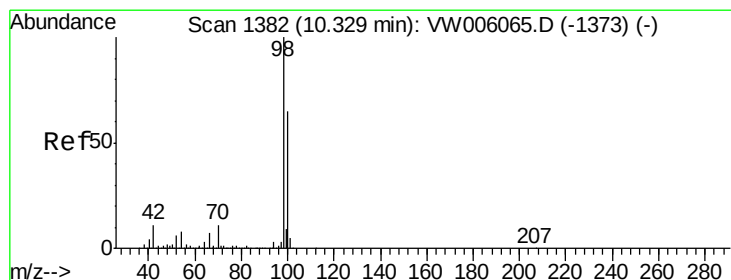
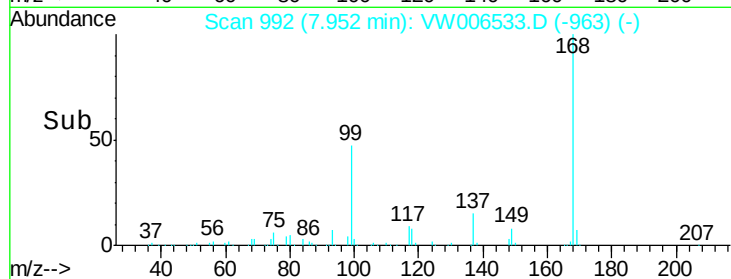
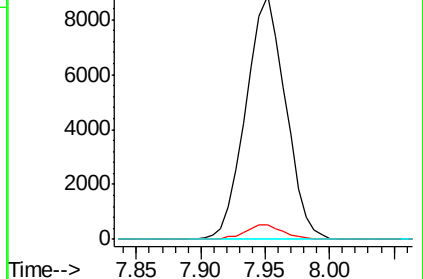
121 0.0 25.3 37.9#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 49.04 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VW006533.D

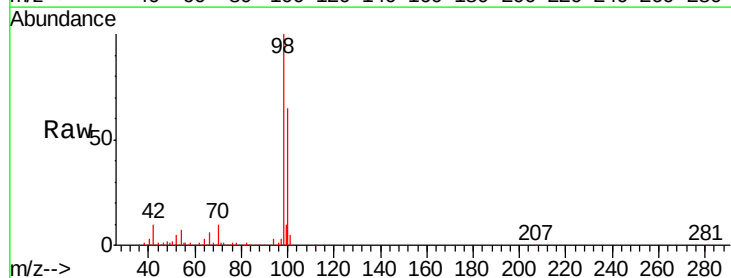
Acq: 31 Oct 2018 18:19

Tgt Ion: 98 Resp: 342495

Ion Ratio Lower Upper

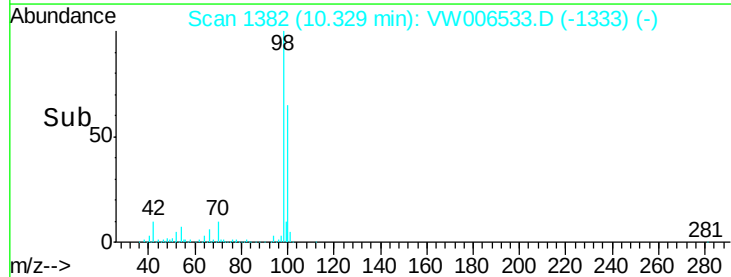
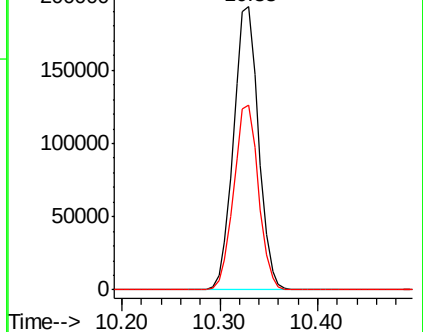
98 100

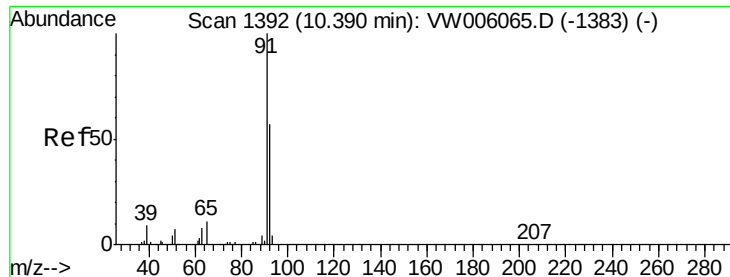
100 64.7 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#52

Toluene

Concen: 7.30 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW006533.D

Acq: 31 Oct 2018 18:19

Instrument :

MSVOA_W

ClientSampleId :

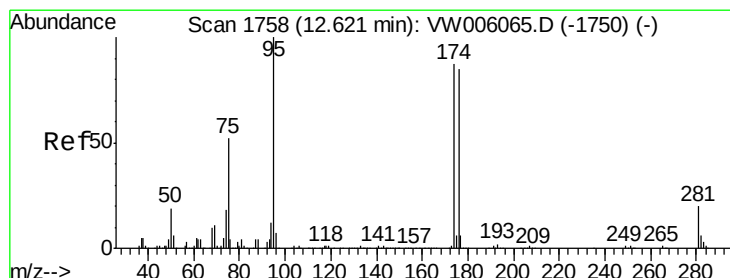
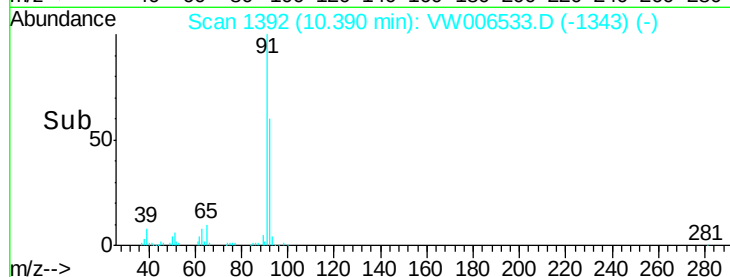
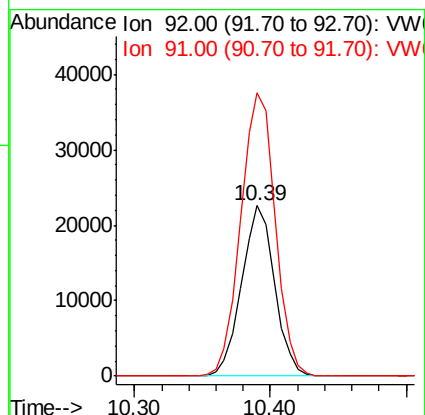
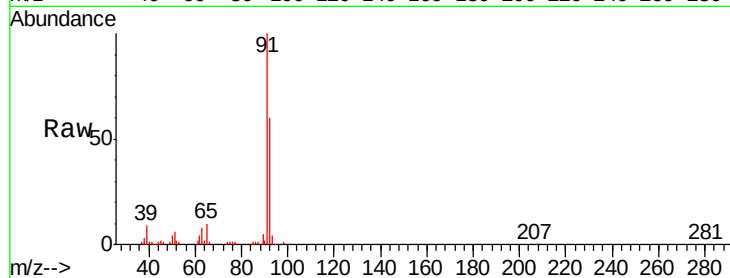
HR-05-102618-BRE

Tgt Ion: 92 Resp: 38419

Ion Ratio Lower Upper

92 100

91 173.5 140.0 210.0



#62

4-Bromofluorobenzene

Concen: 24.97 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW006533.D

Acq: 31 Oct 2018 18:19

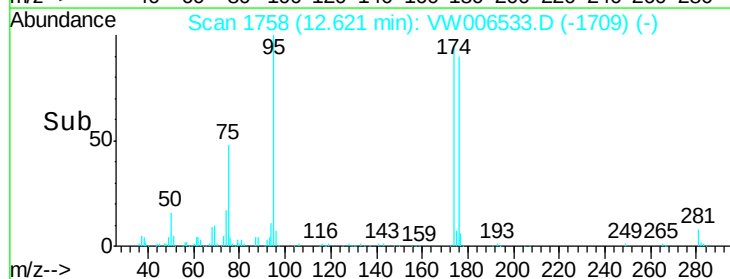
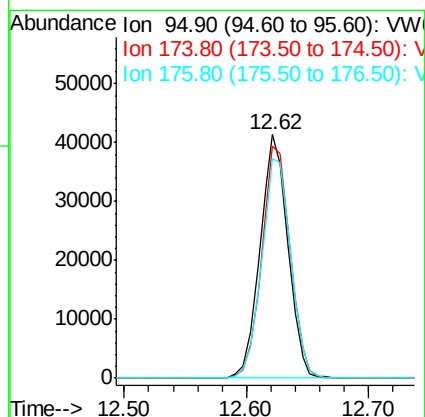
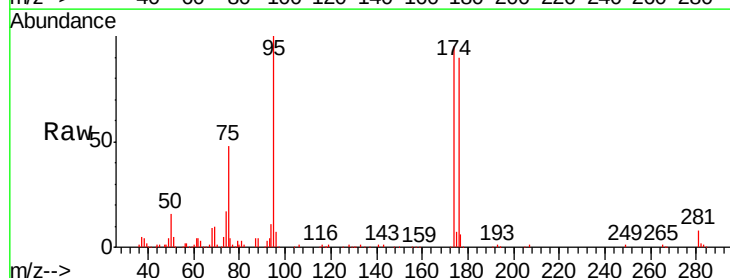
Tgt Ion: 95 Resp: 65490

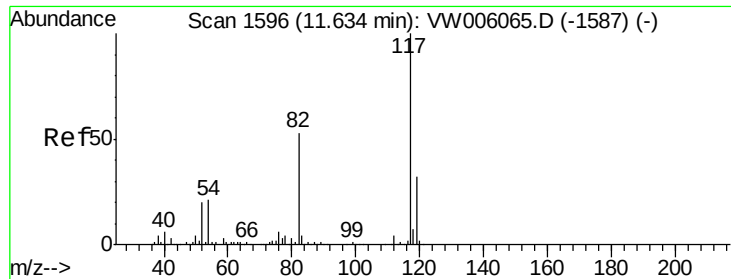
Ion Ratio Lower Upper

95 100

174 97.4 0.0 186.0

176 94.0 0.0 181.6

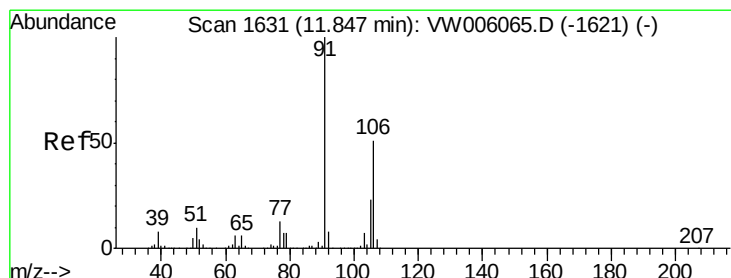
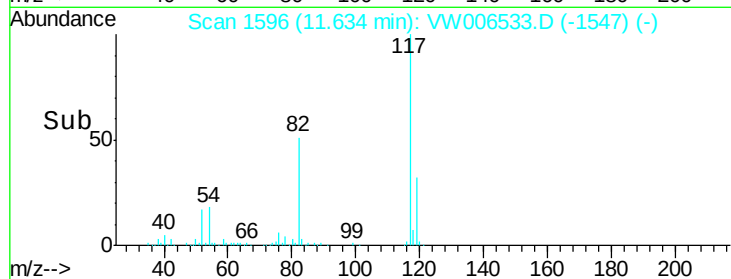
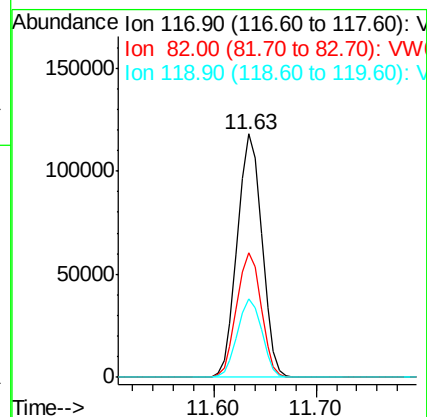
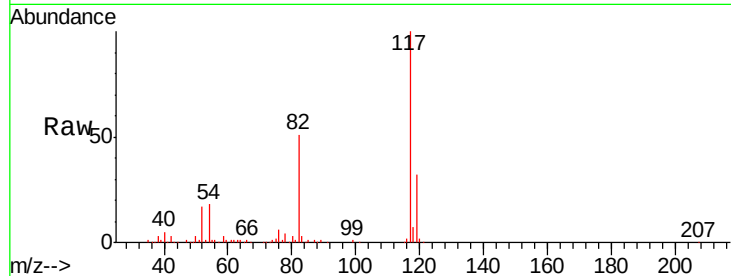




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW006533.D
Acq: 31 Oct 2018 18:19

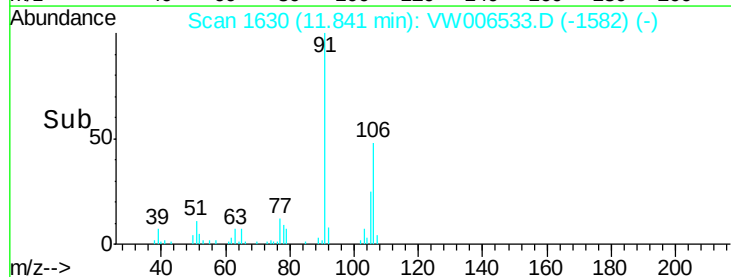
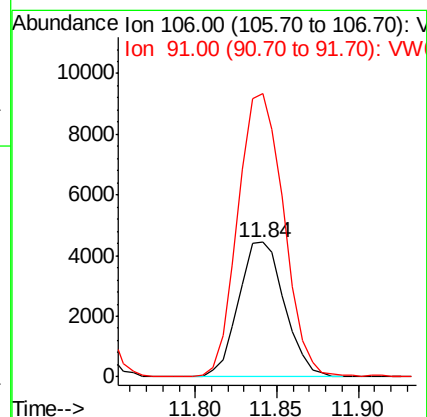
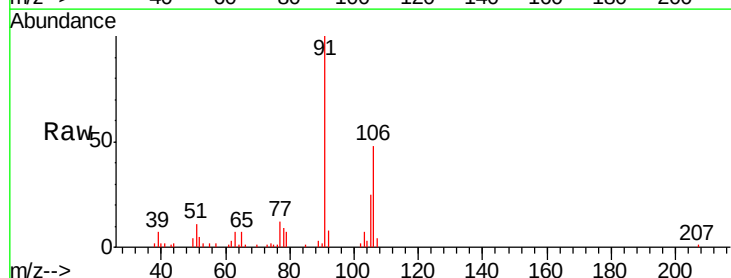
Instrument :
MSVOA_W
ClientSampleId :
HR-05-102618-BRE

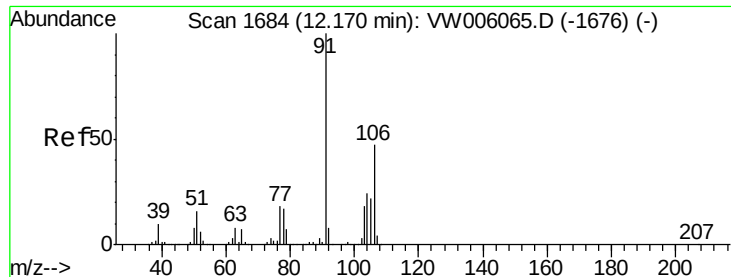
Tgt Ion:117 Resp: 197182
Ion Ratio Lower Upper
117 100
82 51.0 42.1 63.1
119 32.3 25.8 38.6



#68
m/p-Xylenes
Concen: 3.01 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.01 min
Lab File: VW006533.D
Acq: 31 Oct 2018 18:19

Tgt Ion:106 Resp: 8699
Ion Ratio Lower Upper
106 100
91 209.8 159.1 238.7

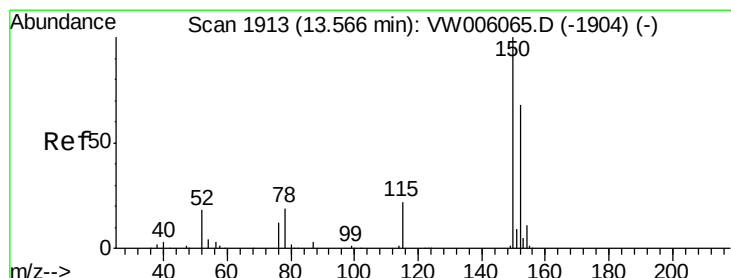
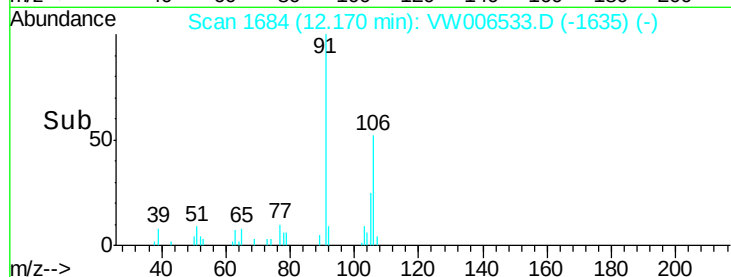
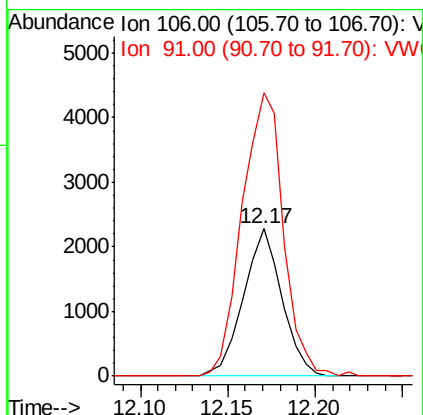
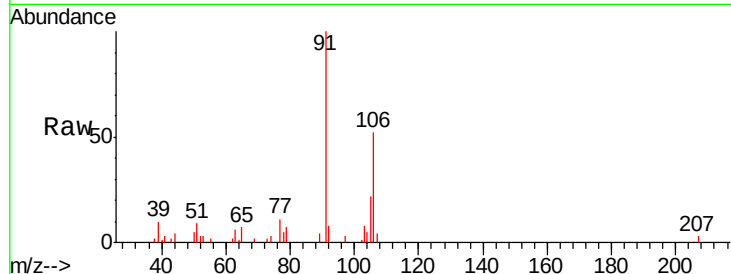




#69
o-Xylene
Concen: 1.27 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW006533.D
Acq: 31 Oct 2018 18:19

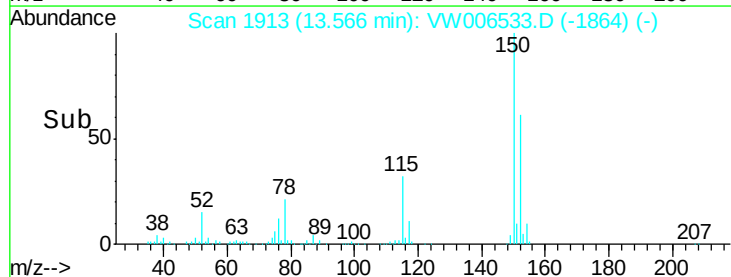
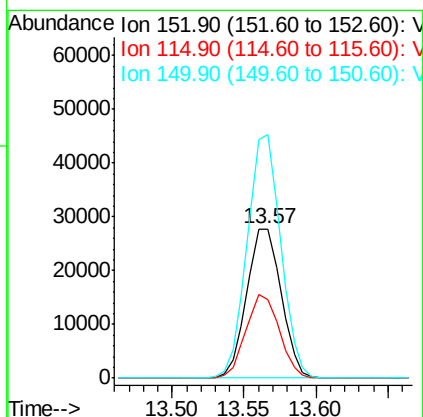
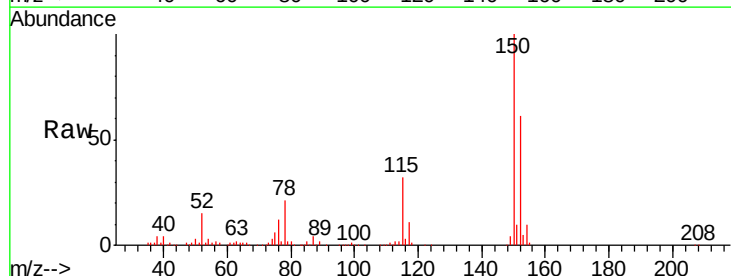
Instrument :
MSVOA_W
ClientSampleId :
HR-05-102618-BRE

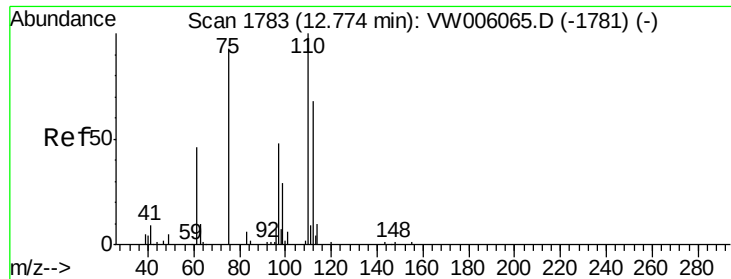
Tgt Ion:106 Resp: 3501
Ion Ratio Lower Upper
106 100
91 205.5 105.4 316.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. 0.00 min
Lab File: VW006533.D
Acq: 31 Oct 2018 18:19

Tgt Ion:152 Resp: 46271
Ion Ratio Lower Upper
152 100
115 54.4 27.8 83.3
150 157.9 0.0 349.2





#76

1,2,3-Trichloropropane

Concen: 89.95 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW006533.D

Acq: 31 Oct 2018 18:19

Instrument :

MSVOA_W

ClientSampleId :

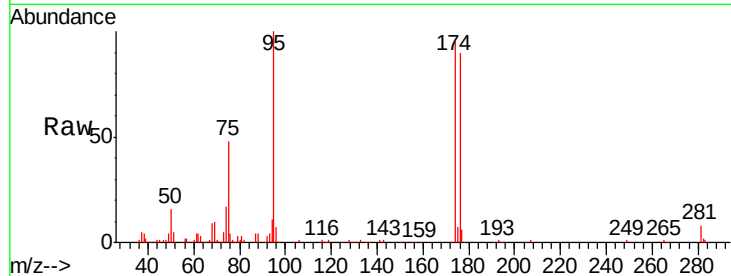
HR-05-102618-BRE

Tgt Ion: 75 Resp: 31789

Ion Ratio Lower Upper

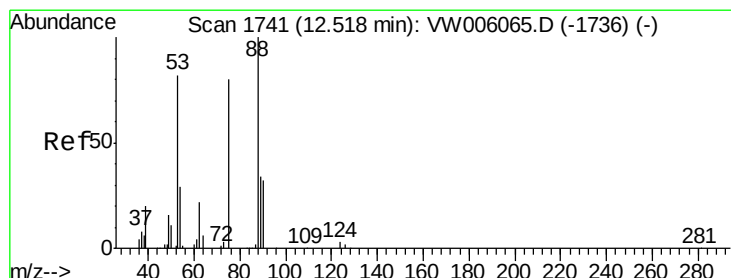
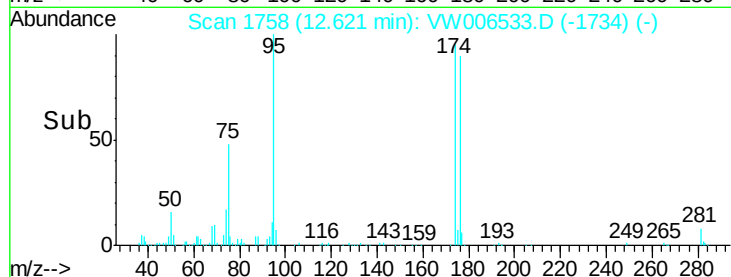
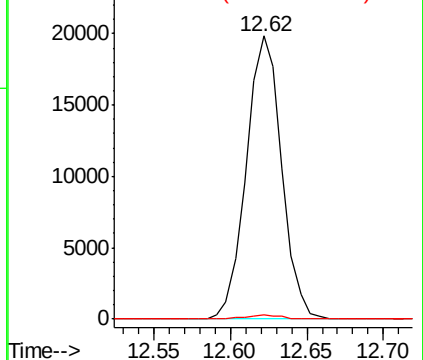
75 100

77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW



#81

trans-1,4-Dichloro-2-butene

Concen: 215.01 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW006533.D

Acq: 31 Oct 2018 18:19

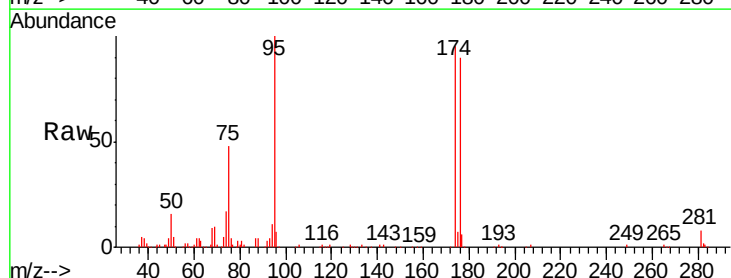
Tgt Ion: 75 Resp: 31789

Ion Ratio Lower Upper

75 100

53 0.0 79.8 119.6#

89 0.0 37.5 56.3#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

