

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW110318\
 Data File : VW006587.D
 Acq On : 02 Nov 2018 05:02
 Operator : SY/AP
 Sample : J5205-09RE
 Misc : 4.97G/5ML/MSVOA_W/SOIL
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TR-04-103018-BRE

Quant Time: Nov 02 08:00:08 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

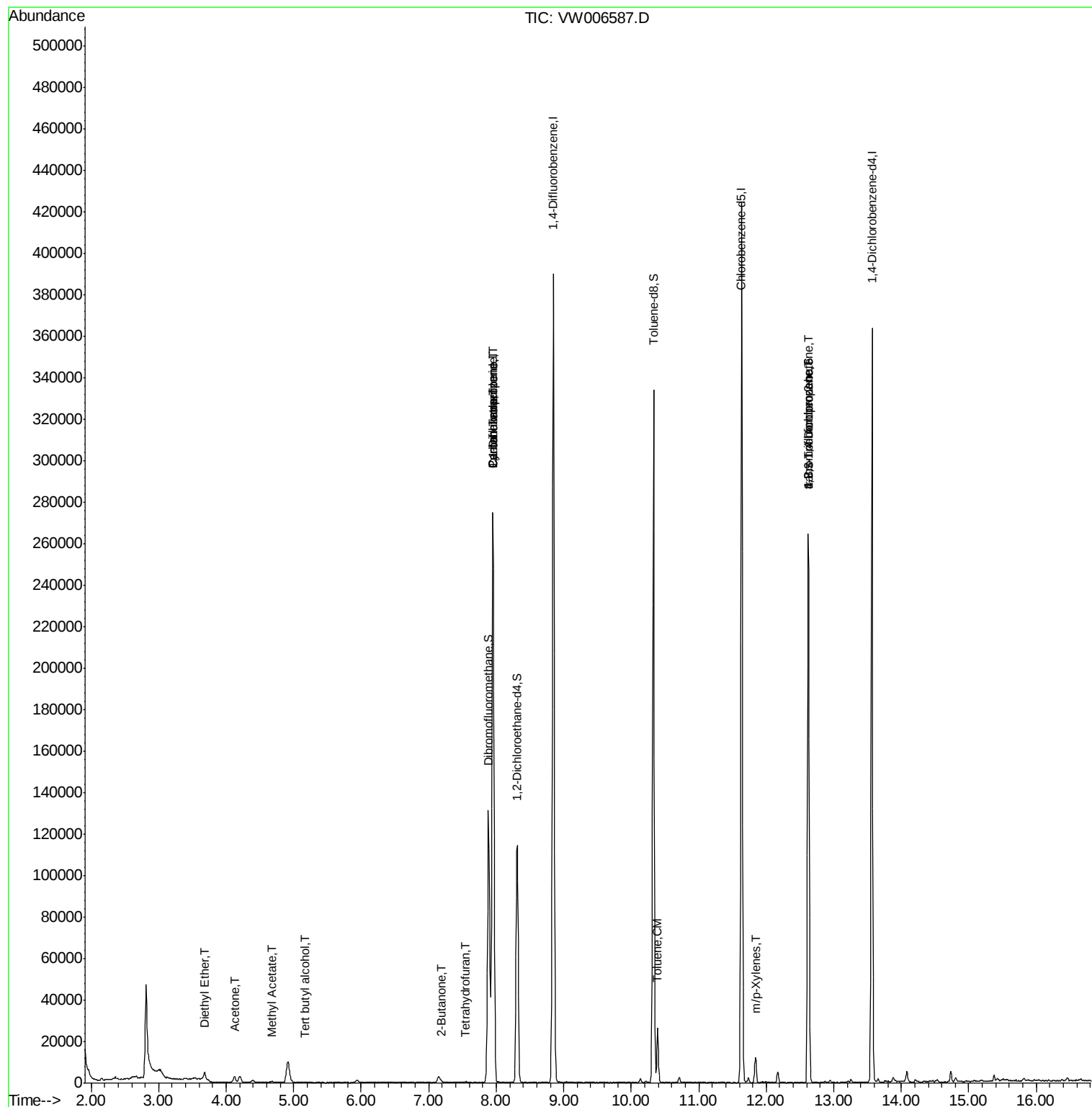
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	227205	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	347205	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	251292	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	104397	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	92010	47.11	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.22%	
35) Dibromofluoromethane	7.88	113	92369	42.39	ug/l	0.00
Spiked Amount 50.000			Recovery	=	84.78%	
50) Toluene-d8	10.32	98	233297	28.12	ug/l	0.00
Spiked Amount 50.000			Recovery	=	56.24%	
62) 4-Bromofluorobenzene	12.62	95	79653	26.49	ug/l	0.00
Spiked Amount 50.000			Recovery	=	52.98%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.68	74	2721	2.770	ug/l	95
11) Tert butyl alcohol	5.17	59	228	2.167	ug/l #	84
16) Acetone	4.12	43	5064	16.060	ug/l	95
18) Methyl Acetate	4.68	43	962	1.061	ug/l #	71
20) Methylene Chloride	4.91	84	9179	Below Cal		93
25) 2-Butanone	7.19	43	803	1.785	ug/l #	46
29) Tetrahydrofuran	7.55	42	370	1.307	ug/l #	56
31) Cyclohexane	7.95	56	3822	1.229	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	14172	4.641	ug/l #	48
38) Carbon Tetrachloride	7.95	117	19607	6.145	ug/l #	17
52) Toluene	10.39	92	11291	1.941	ug/l	98
68) m/p-Xylenes	11.84	106	4197	1.189	ug/l	88
76) 1,2,3-Trichloropropane	12.62	75	39357	48.318	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	39357	121.133	ug/l #	11

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

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Quant Title : SW846 8260
QLast Update : Thu Nov 01 03:48:08 2018
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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: VW006587.D

Acq: 02 Nov 2018 05:02

Instrument :

MSVOA_W

ClientSampleId :

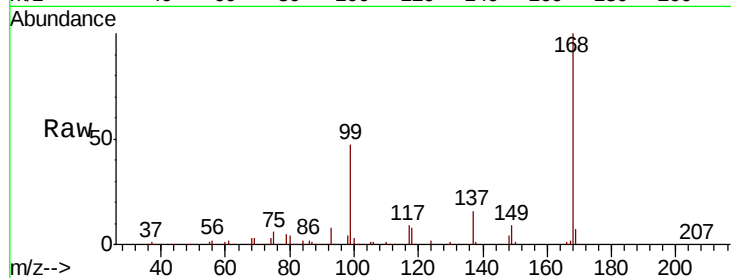
TR-04-103018-BRE

Tgt Ion:168 Resp: 227205

Ion Ratio Lower Upper

168 100

99 47.2 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

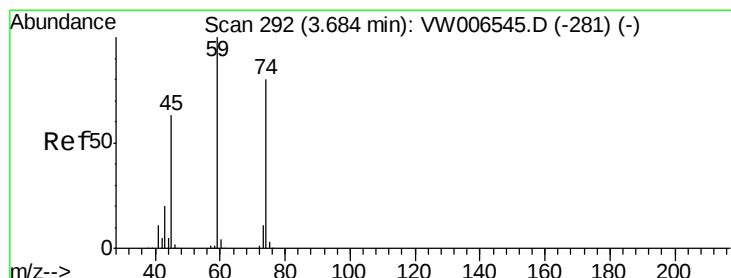
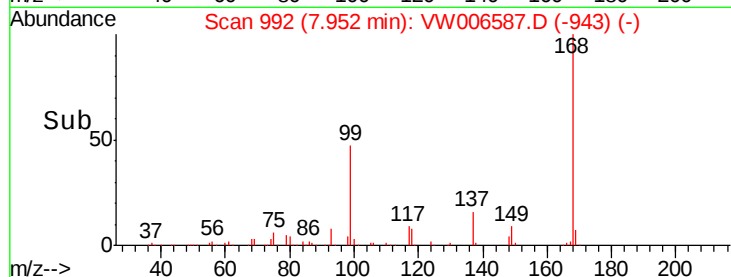
60000

40000

20000

0

Time-->



#8

Diethyl Ether

Concen: 2.770 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.01 min

Lab File: VW006587.D

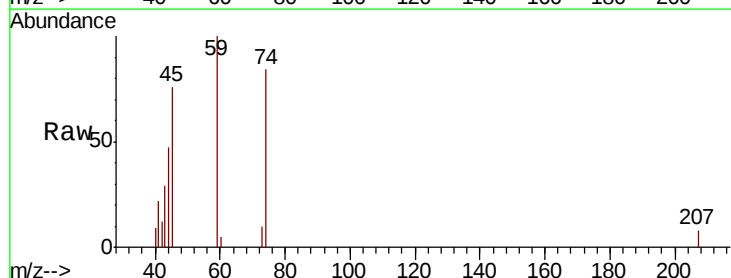
Acq: 02 Nov 2018 05:02

Tgt Ion: 74 Resp: 2721

Ion Ratio Lower Upper

74 100

45 86.5 41.1 123.4



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.68

1200

1000

800

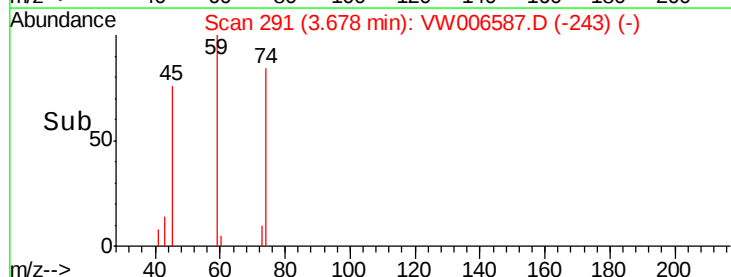
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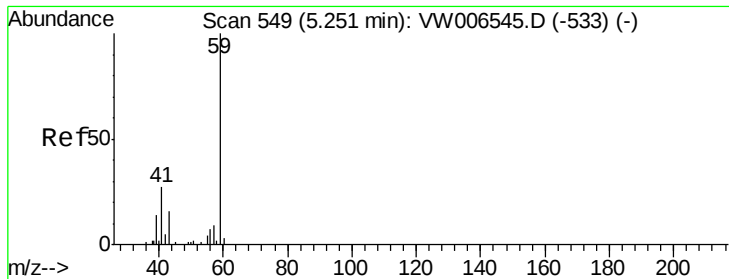
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200

0

Time-->



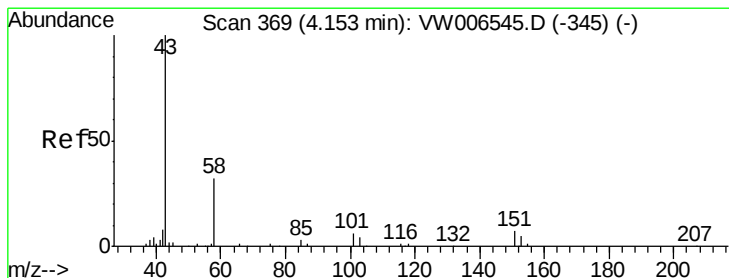
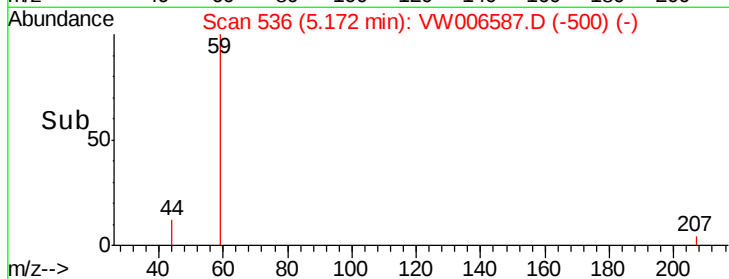
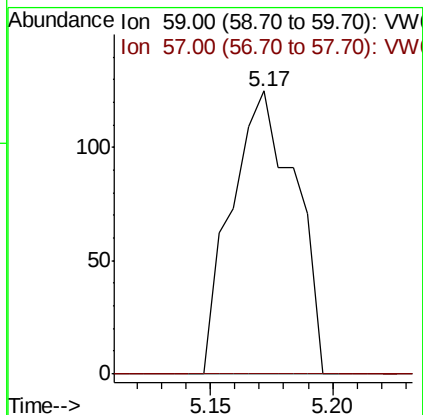
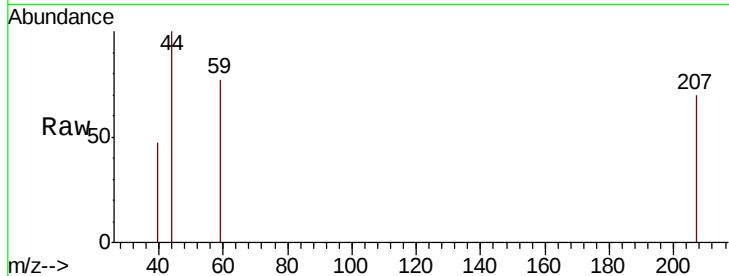


#11

Tert butyl alcohol
 Concen: 2.167 ug/l
 RT: 5.17 min Scan# 536
 Delta R.T. -0.08 min
 Lab File: VW006587.D
 Acq: 02 Nov 2018 05:02

Instrument :
 MSVOA_W
 ClientSampleId :
 TR-04-103018-BRE

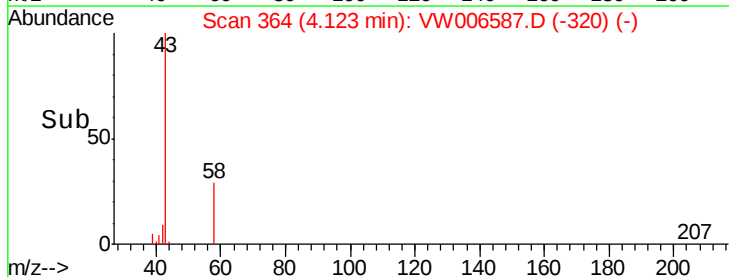
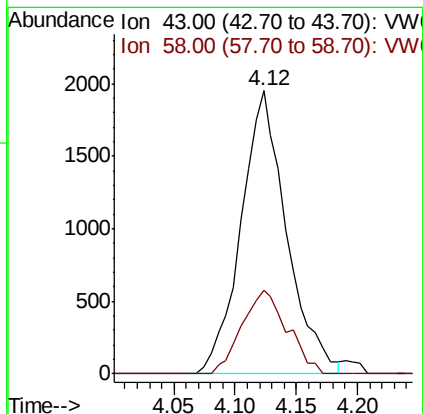
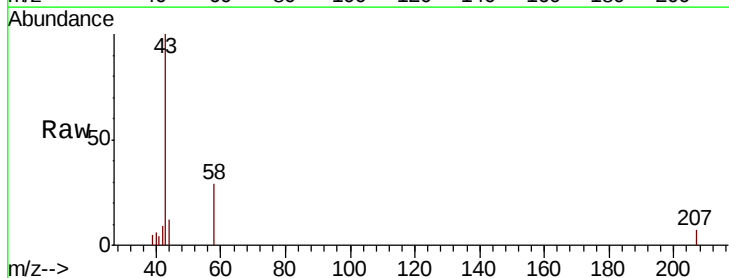
Tgt Ion: 59 Resp: 228
 Ion Ratio Lower Upper
 59 100
 57 0.0 4.3 6.5#

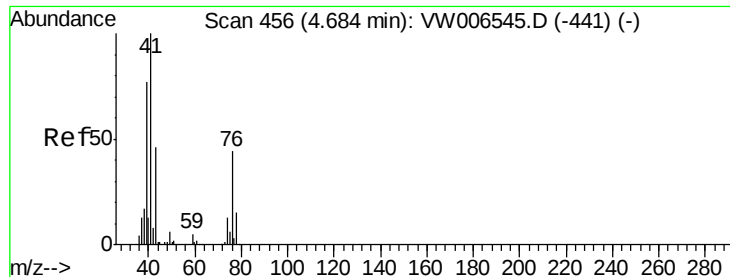


#16

Acetone
 Concen: 16.060 ug/l
 RT: 4.12 min Scan# 364
 Delta R.T. -0.03 min
 Lab File: VW006587.D
 Acq: 02 Nov 2018 05:02

Tgt Ion: 43 Resp: 5064
 Ion Ratio Lower Upper
 43 100
 58 29.4 25.8 38.8

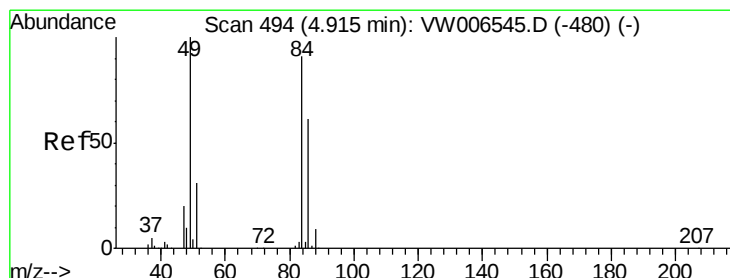
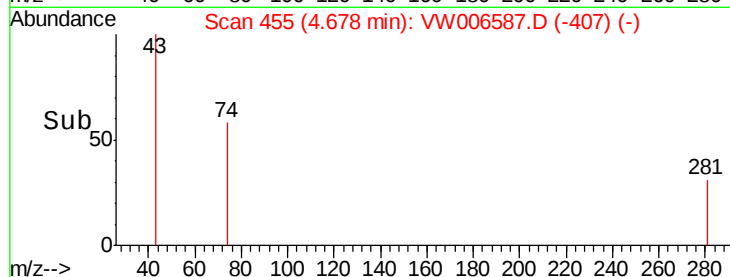
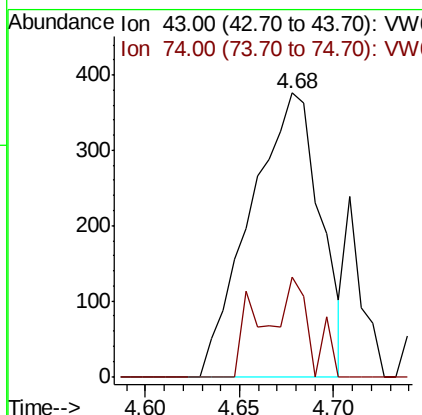
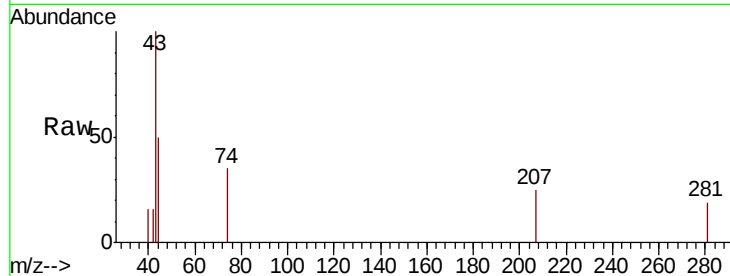




#18
Methyl Acetate
Concen: 1.061 ug/l
RT: 4.68 min Scan# 455
Delta R.T. -0.01 min
Lab File: VW006587.D
Acq: 02 Nov 2018 05:02

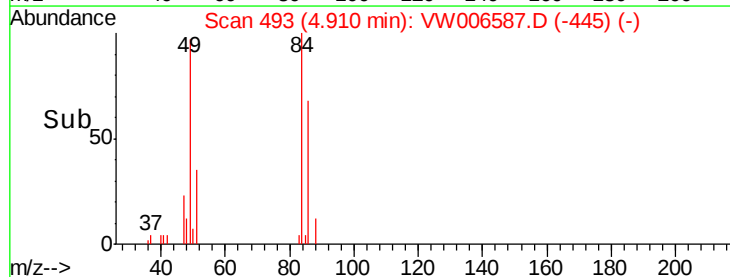
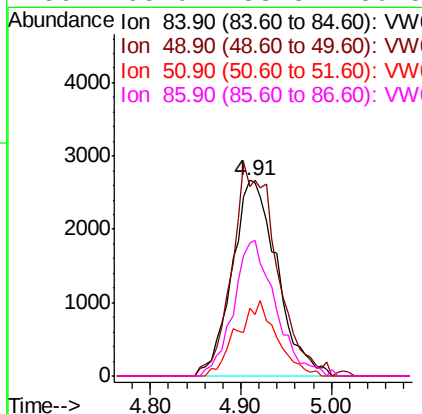
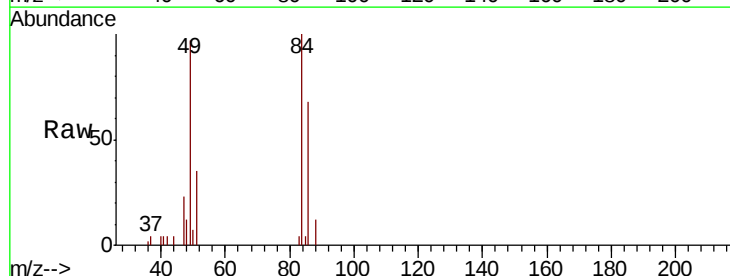
Instrument :
MSVOA_W
ClientSampleId :
TR-04-103018-BRE

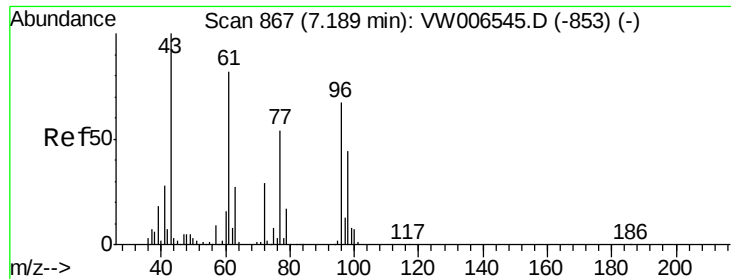
Tgt Ion: 43 Resp: 962
Ion Ratio Lower Upper
43 100
74 12.1 21.9 32.9#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW006587.D
Acq: 02 Nov 2018 05:02

Tgt Ion: 84 Resp: 9179
Ion Ratio Lower Upper
84 100
49 97.1 88.2 132.4
51 34.6 27.0 40.6
86 68.0 53.8 80.8





#25

2-Butanone

Concen: 1.785 ug/l

RT: 7.19 min Scan# 867

Delta R.T. 0.00 min

Lab File: VW006587.D

Acq: 02 Nov 2018 05:02

Instrument :

MSVOA_W

ClientSampleId :

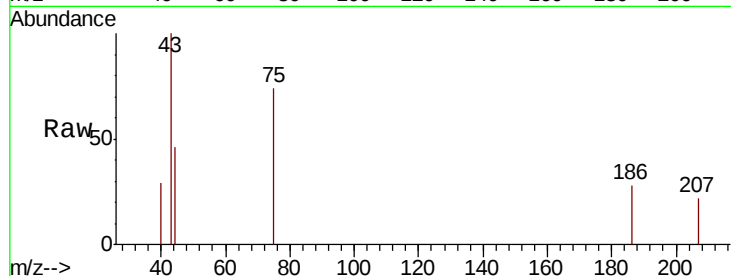
TR-04-103018-BRE

Tgt Ion: 43 Resp: 803

Ion Ratio Lower Upper

43 100

72 0.0 23.2 34.8#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

7.19

300

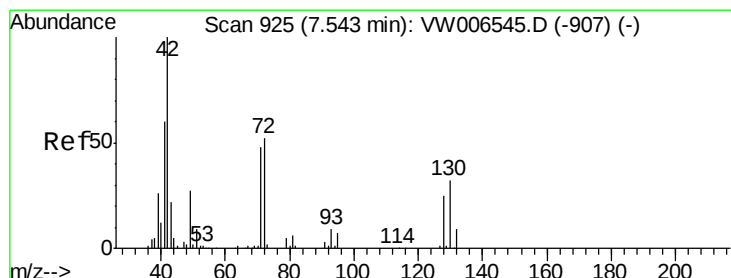
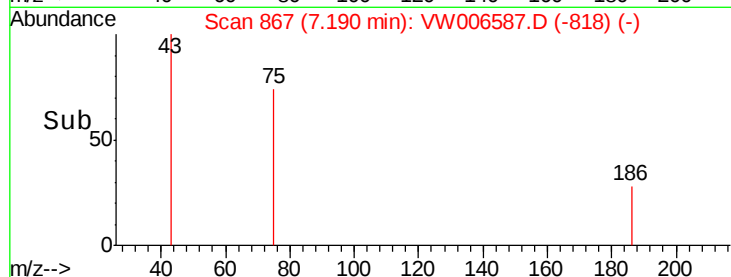
200

100

0

7.05 7.10 7.15 7.20 7.25

Time-->



#29

Tetrahydrofuran

Concen: 1.307 ug/l

RT: 7.55 min Scan# 926

Delta R.T. 0.01 min

Lab File: VW006587.D

Acq: 02 Nov 2018 05:02

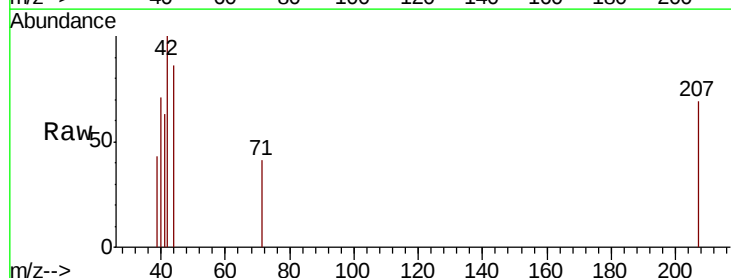
Tgt Ion: 42 Resp: 370

Ion Ratio Lower Upper

42 100

72 15.9 39.2 58.8#

71 20.8 37.6 56.4#



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

7.55

200

150

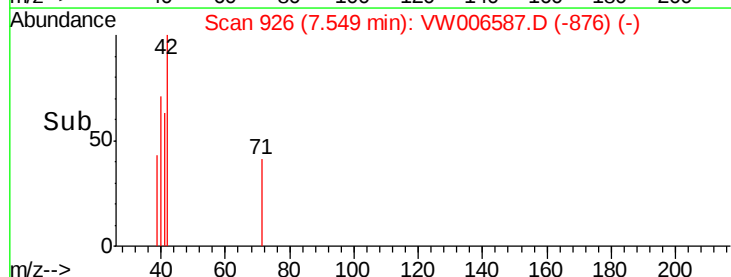
100

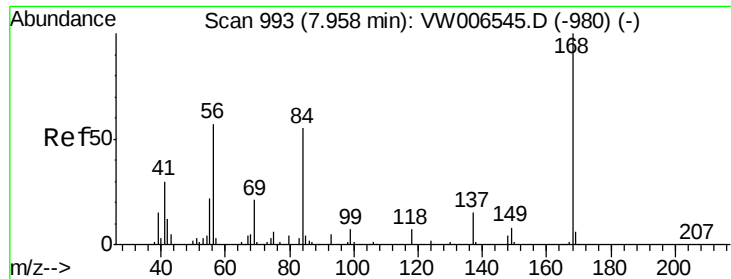
50

0

7.50 7.55 7.60

Time-->

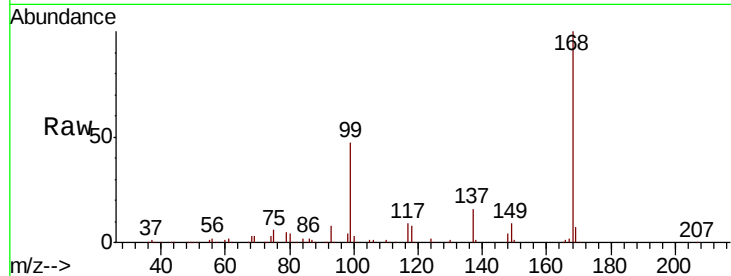




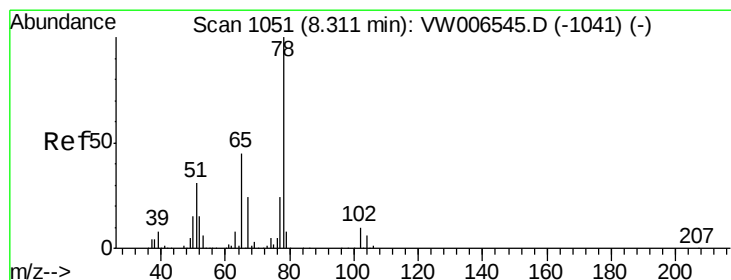
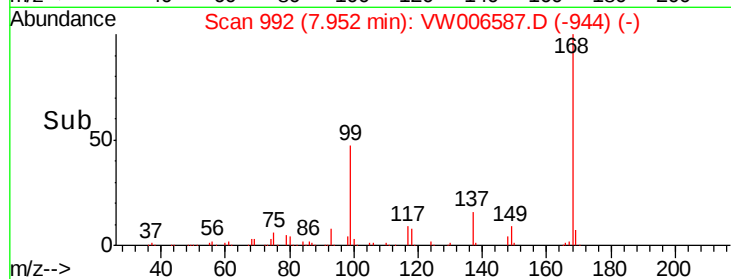
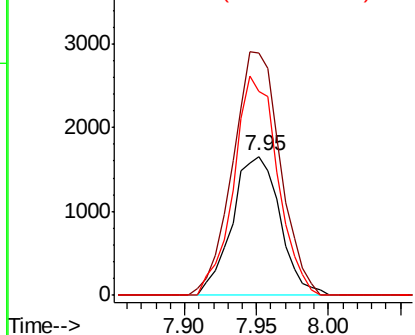
#31
Cyclohexane
Concen: 1.229 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW006587.D
Acq: 02 Nov 2018 05:02

Instrument :
MSVOA_W
ClientSampleId :
TR-04-103018-BRE

Tgt Ion: 56 Resp: 3822
Ion Ratio Lower Upper
56 100
69 175.0 29.0 43.4#
84 147.5 77.8 116.6#

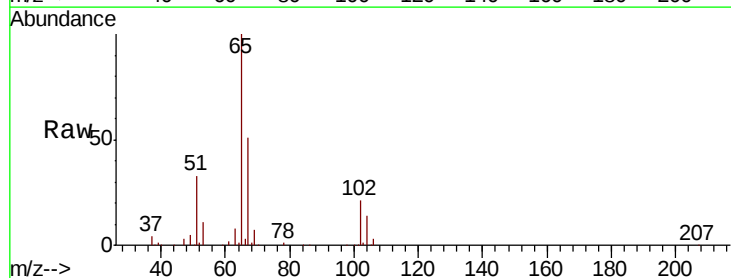


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

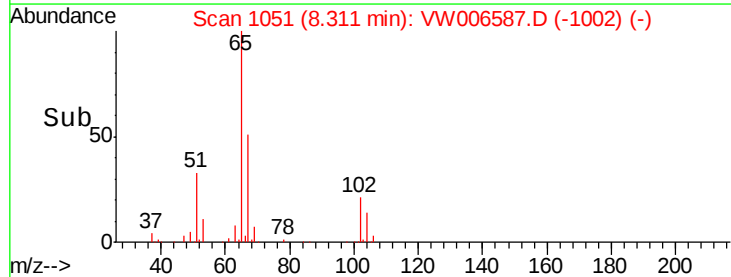
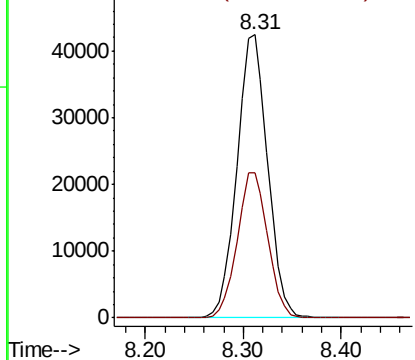


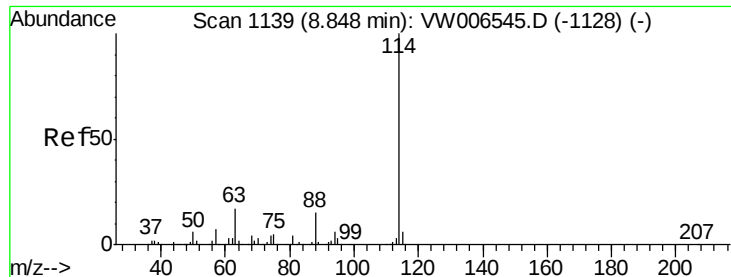
#33
1,2-Dichloroethane-d4
Concen: 47.111 ug/l
RT: 8.31 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VW006587.D
Acq: 02 Nov 2018 05:02

Tgt Ion: 65 Resp: 92010
Ion Ratio Lower Upper
65 100
67 51.0 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

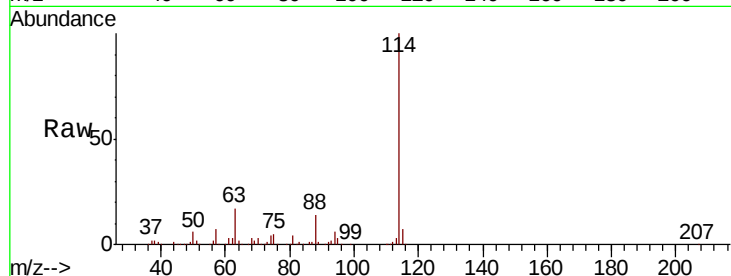




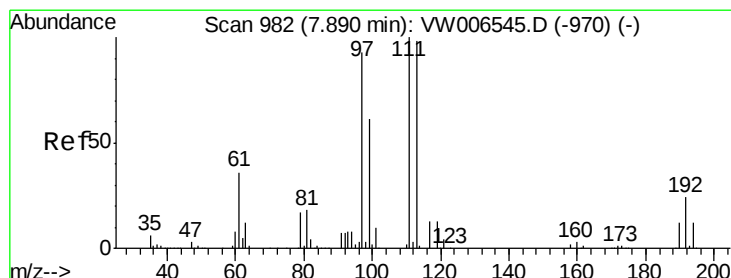
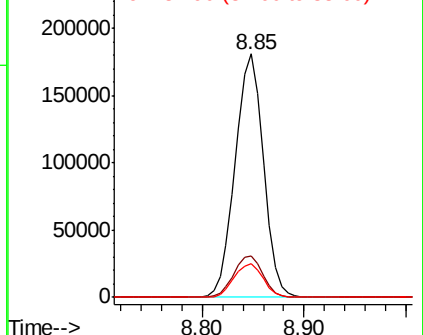
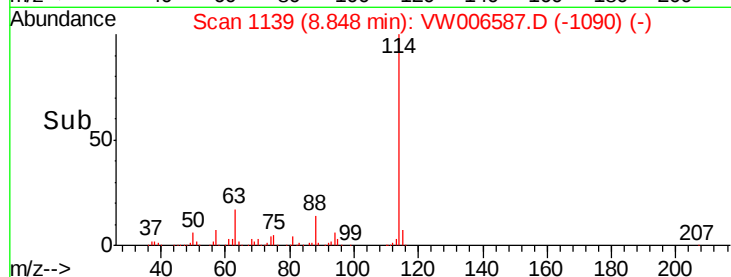
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.00 min
 Lab File: VW006587.D
 Acq: 02 Nov 2018 05:02

Instrument :
 MSVOA_W
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 TR-04-103018-BRE

Tgt Ion	Ratio	Lower	Upper
114	100		
63	17.1	0.0	34.4
88	14.0	0.0	29.0

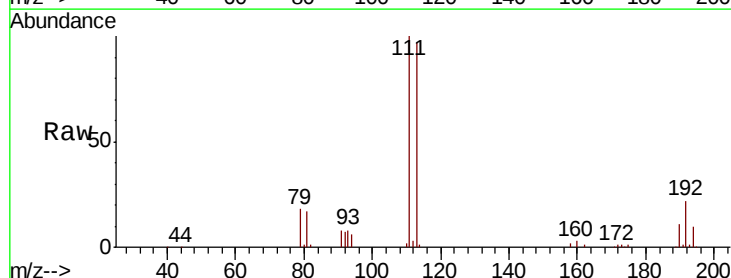


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

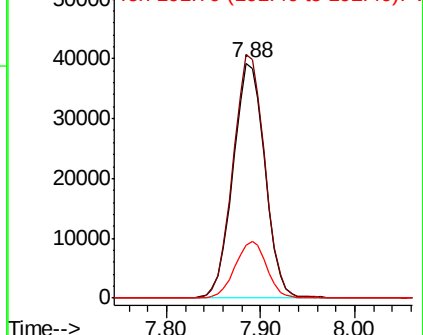
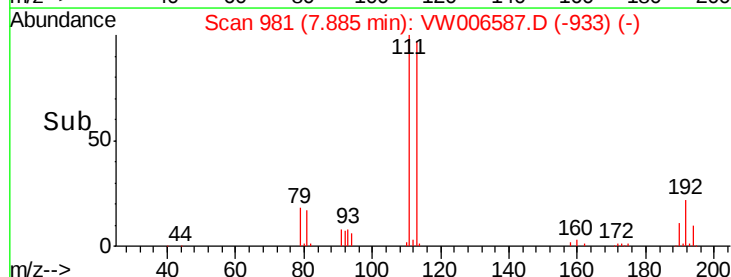


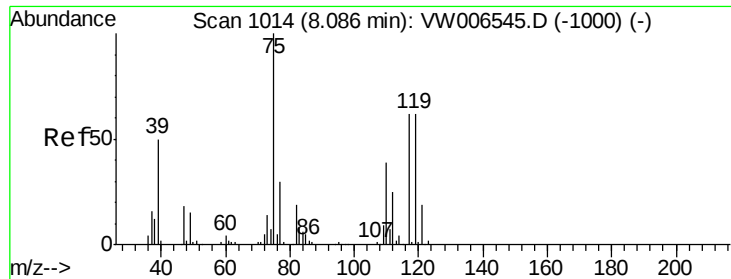
#35
 Dibromofluoromethane
 Concen: 42.391 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.01 min
 Lab File: VW006587.D
 Acq: 02 Nov 2018 05:02

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.4	82.2	123.2
192	23.9	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

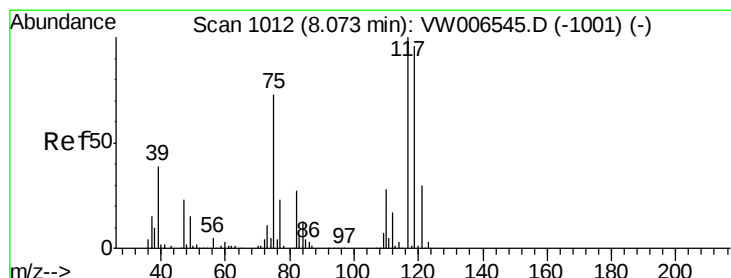
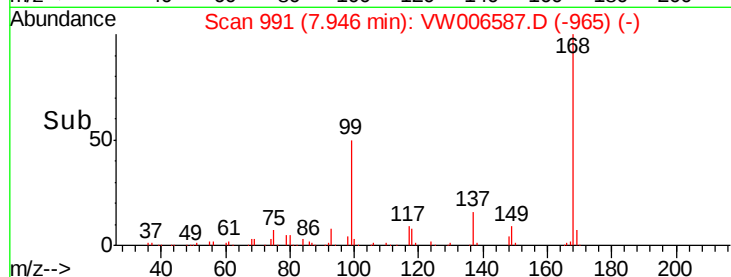
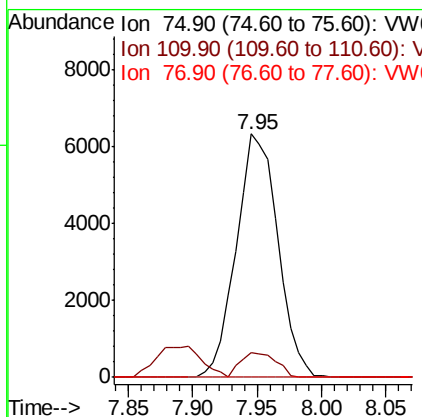
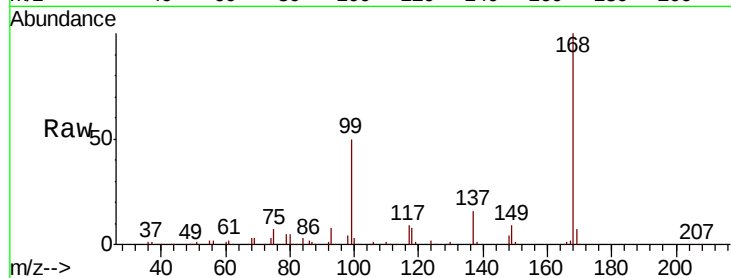




#36
 1,1-Dichloropropene
 Concen: 4.641 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.14 min
 Lab File: VW006587.D
 Acq: 02 Nov 2018 05:02

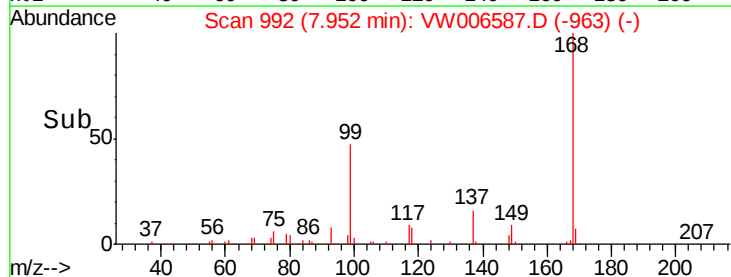
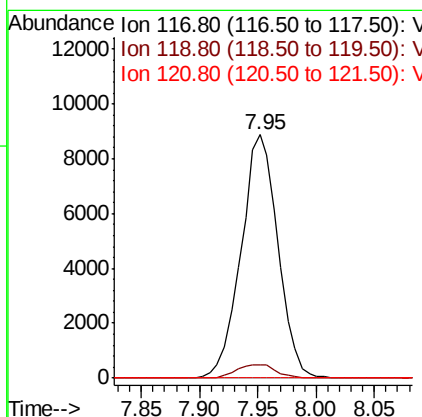
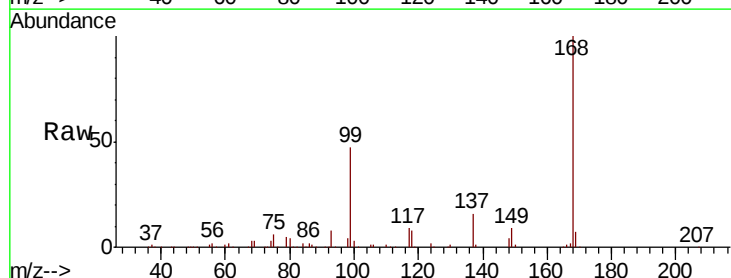
Instrument :
 MSVOA_W
 ClientSampleId :
 TR-04-103018-BRE

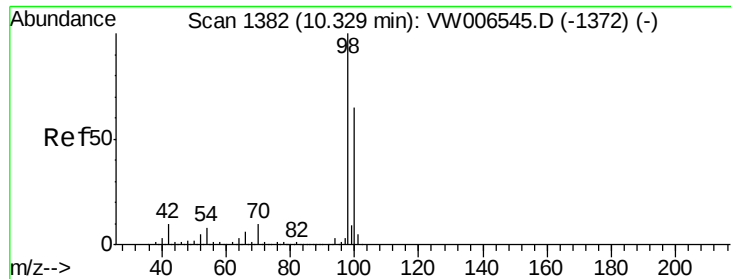
Tgt Ion: 75 Resp: 14172
 Ion Ratio Lower Upper
 75 100
 110 8.9 19.5 58.5#
 77 0.0 24.6 37.0#



#38
 Carbon Tetrachloride
 Concen: 6.145 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.12 min
 Lab File: VW006587.D
 Acq: 02 Nov 2018 05:02

Tgt Ion: 117 Resp: 19607
 Ion Ratio Lower Upper
 117 100
 119 5.6 76.3 114.5#
 121 0.0 24.1 36.1#





#50

Toluene-d8

Concen: 28.125 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.01 min

Lab File: VW006587.D

Acq: 02 Nov 2018 05:02

Instrument :

MSVOA_W

ClientSampleId :

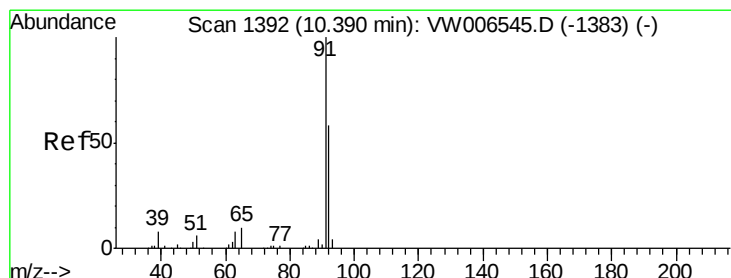
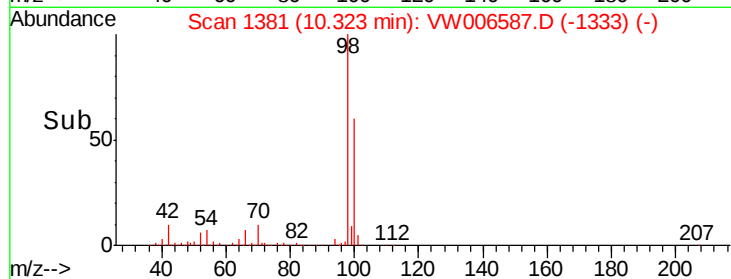
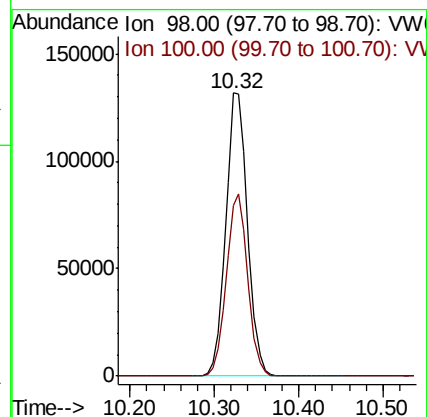
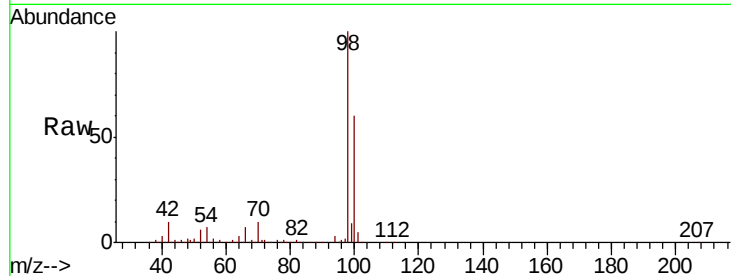
TR-04-103018-BRE

Tgt Ion: 98 Resp: 233297

Ion Ratio Lower Upper

98 100

100 63.3 51.6 77.4



#52

Toluene

Concen: 1.941 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW006587.D

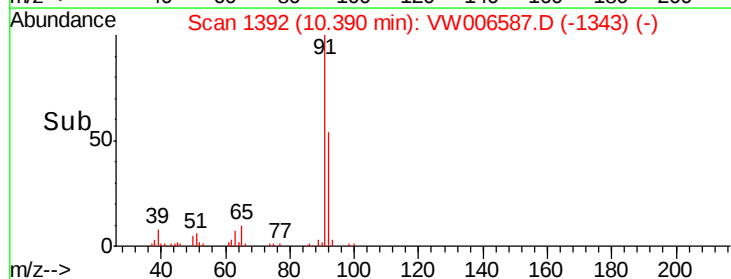
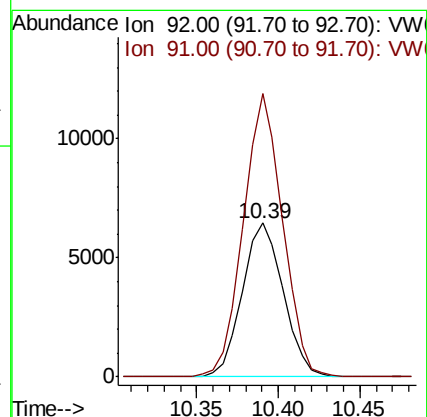
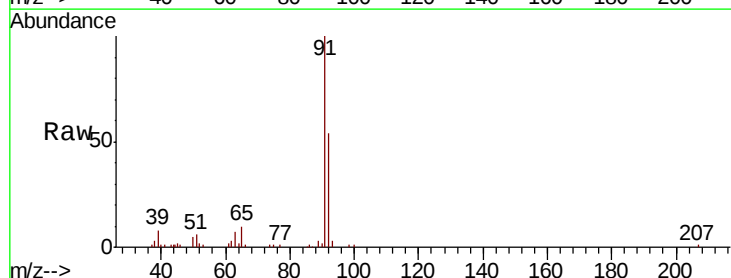
Acq: 02 Nov 2018 05:02

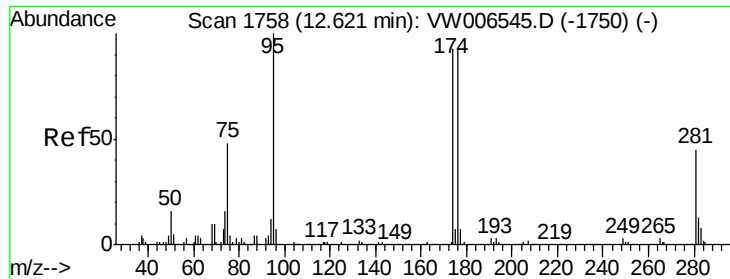
Tgt Ion: 92 Resp: 11291

Ion Ratio Lower Upper

92 100

91 176.8 138.6 208.0





#62

4-Bromofluorobenzene

Concen: 26.487 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW006587.D

Acq: 02 Nov 2018 05:02

Instrument :

MSVOA_W

ClientSampleId :

TR-04-103018-BRE

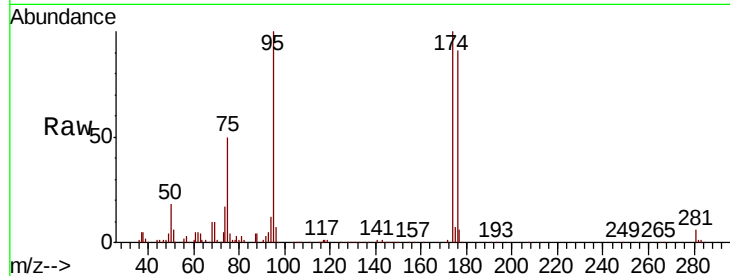
Tgt Ion: 95 Resp: 79653

Ion Ratio Lower Upper

95 100

174 100.4 0.0 192.4

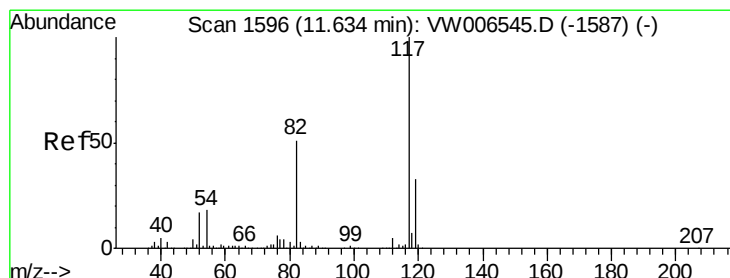
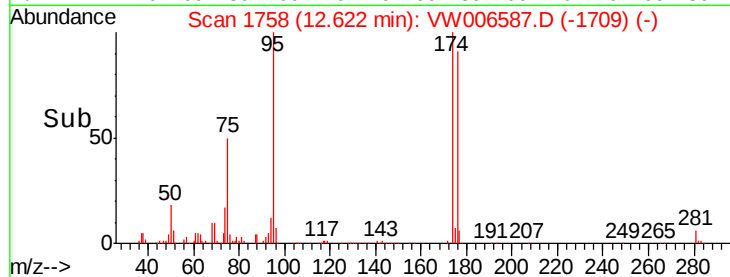
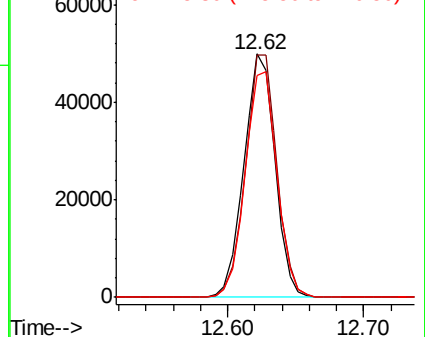
176 95.0 0.0 187.4



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# 1596

Delta R.T. 0.00 min

Lab File: VW006587.D

Acq: 02 Nov 2018 05:02

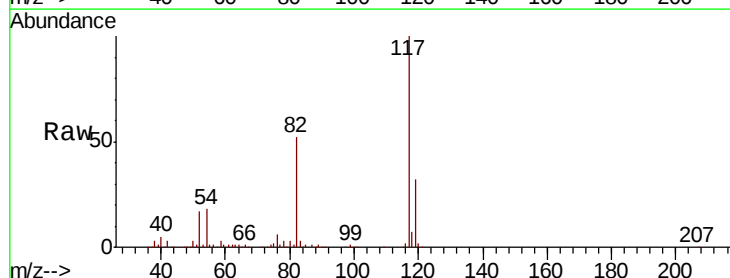
Tgt Ion: 117 Resp: 251292

Ion Ratio Lower Upper

117 100

82 51.6 40.8 61.2

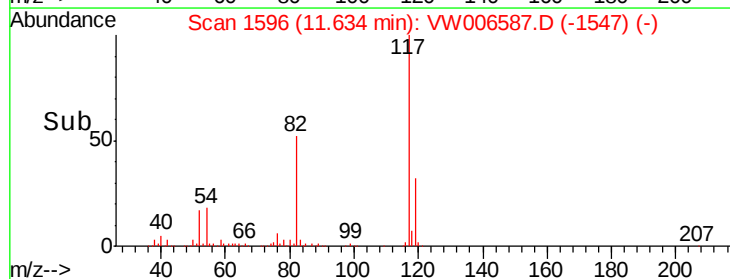
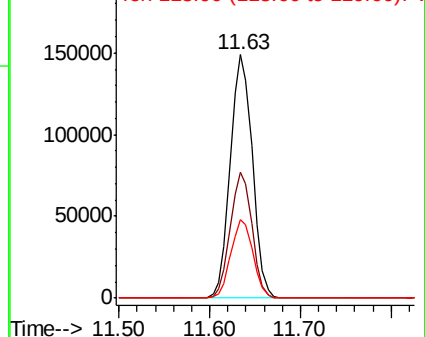
119 32.0 26.1 39.1

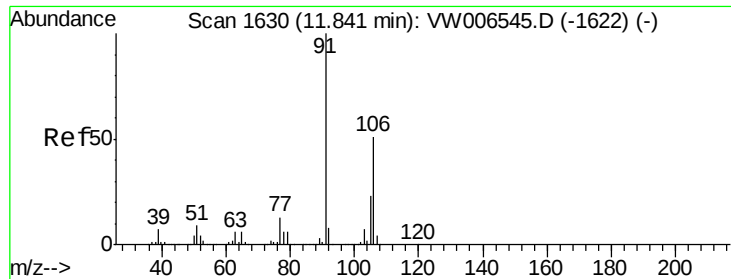


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW

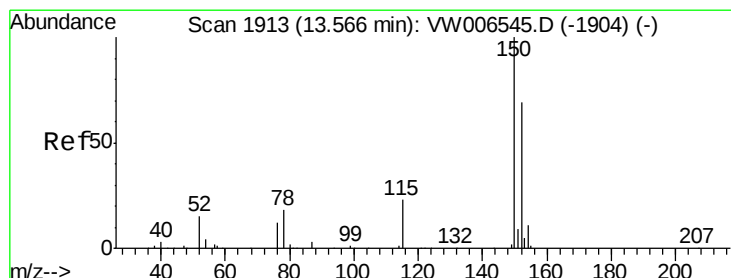
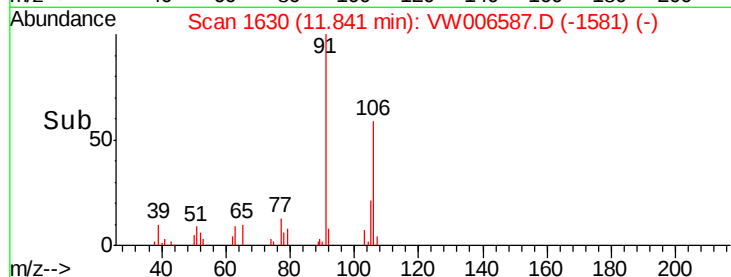
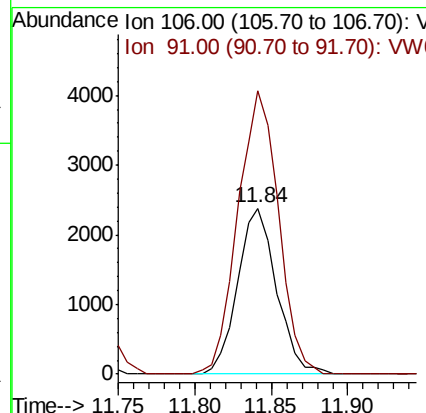
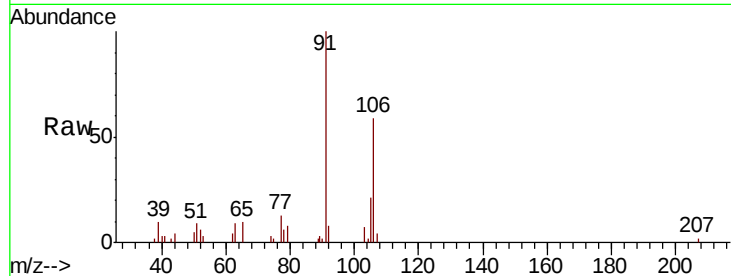




#68
m/p-Xylenes
Concen: 1.189 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW006587.D
Acq: 02 Nov 2018 05:02

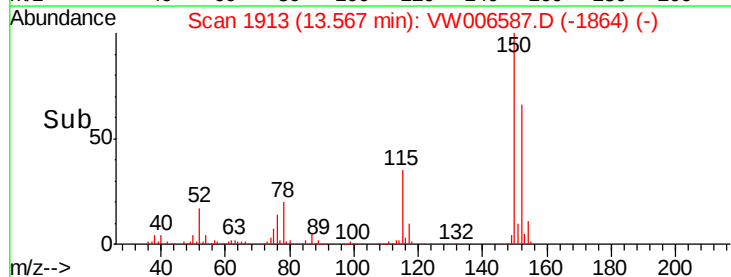
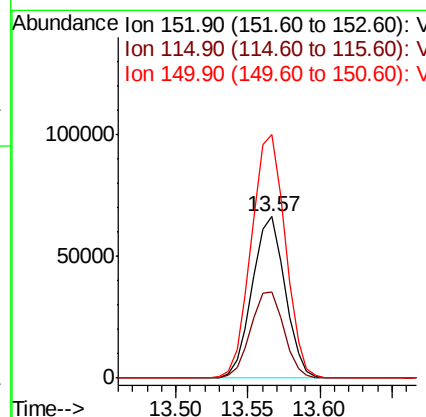
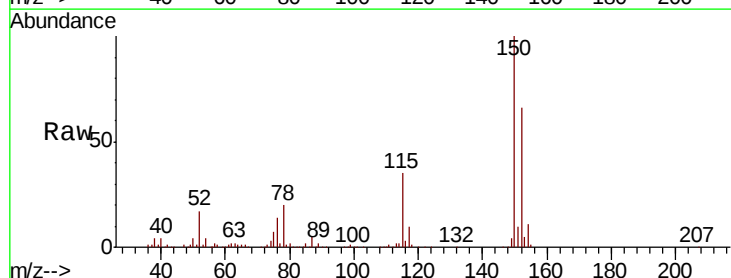
Instrument :
MSVOA_W
ClientSampleId :
TR-04-103018-BRE

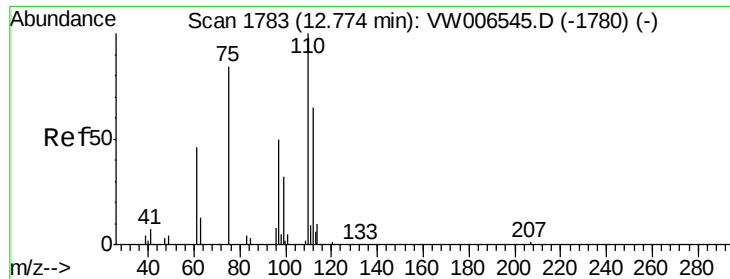
Tgt Ion:106 Resp: 4197
Ion Ratio Lower Upper
106 100
91 177.9 156.7 235.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. 0.00 min
Lab File: VW006587.D
Acq: 02 Nov 2018 05:02

Tgt Ion:152 Resp: 104397
Ion Ratio Lower Upper
152 100
115 54.3 26.6 79.8
150 155.8 0.0 344.6

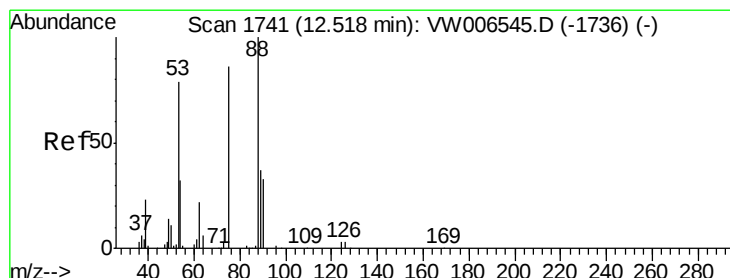
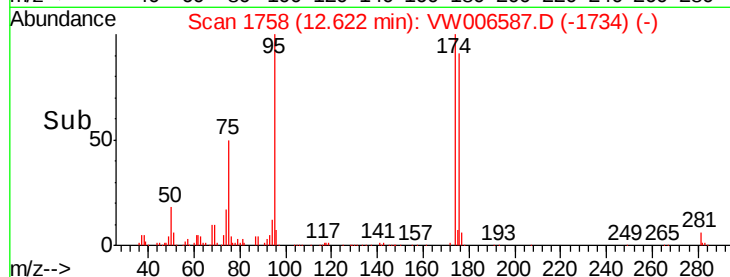
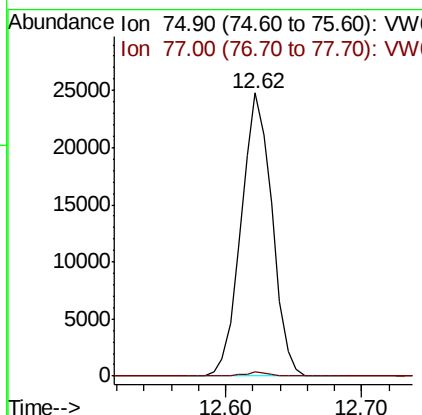
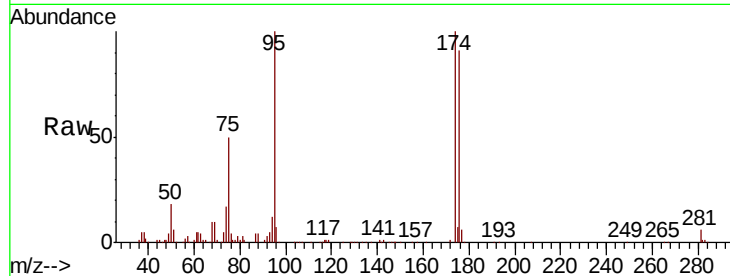




#76
 1,2,3-Trichloropropane
 Concen: 48.318 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.15 min
 Lab File: VW006587.D
 Acq: 02 Nov 2018 05:02

Instrument :
 MSVOA_W
 ClientSampleId :
 TR-04-103018-BRE

Tgt Ion: 75 Resp: 39357
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 121.133 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.10 min
 Lab File: VW006587.D
 Acq: 02 Nov 2018 05:02

Tgt Ion: 75 Resp: 39357
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.2 115.8#
 89 0.0 38.6 58.0#

