

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW101818\
 Data File : VW006214.D
 Acq On : 19 Oct 2018 09:57
 Operator : VA/AP
 Sample : J5202-05RE
 Misc : 6.36G/5ML/MSVOA_W/SOIL
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 PL-03-101718-CRE

Quant Time: Oct 19 10:54:15 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	188490	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	287841	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	236826	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	95813	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	91302	58.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.86%	
35) Dibromofluoromethane	7.89	113	89430	52.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.16%	
50) Toluene-d8	10.33	98	299159	46.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.46%	
62) 4-Bromofluorobenzene	12.62	95	96318	39.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	79.26%	

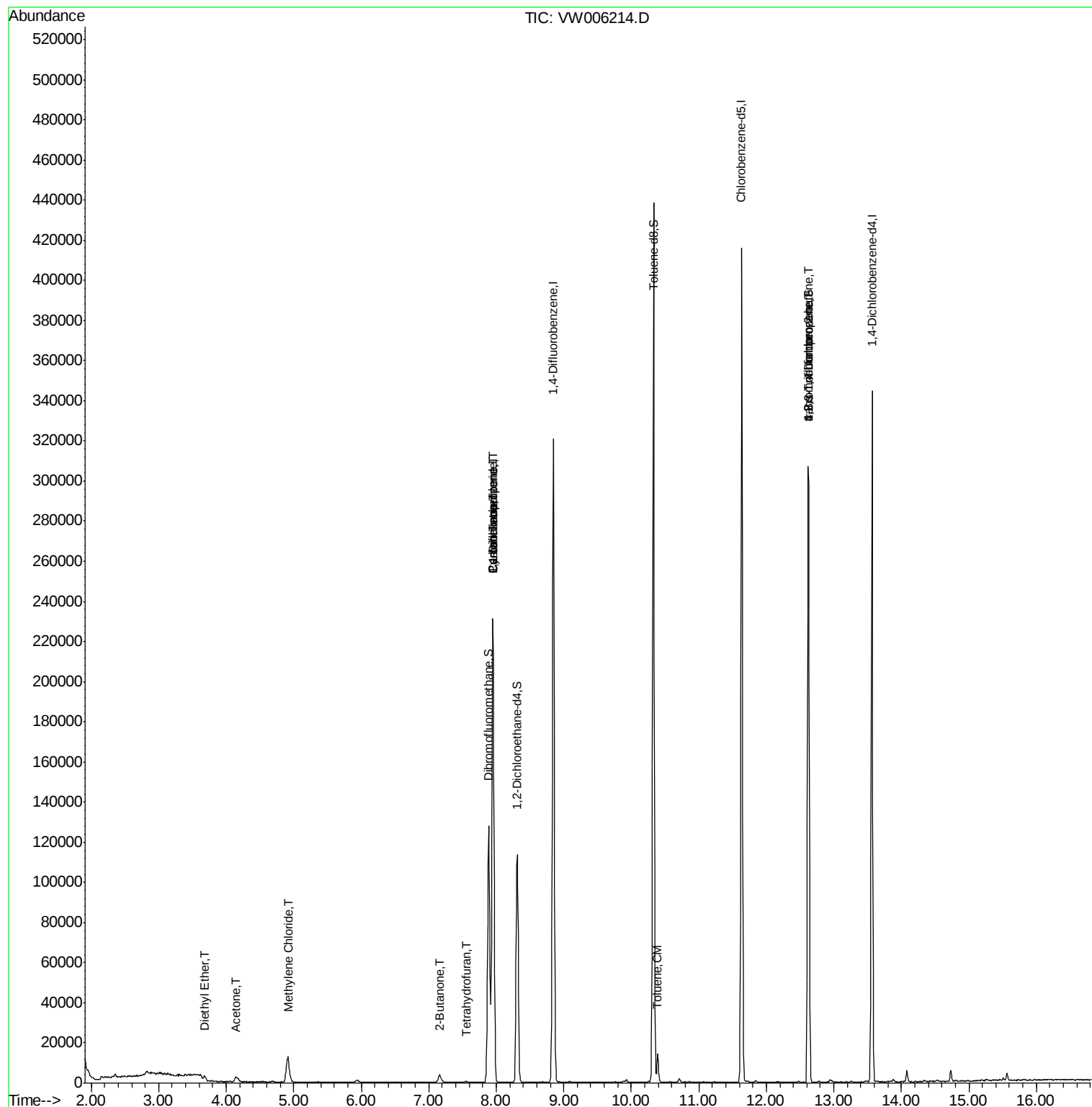
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.67	74	1493	1.76	ug/l	87
16) Acetone	4.15	43	5579	4.49	ug/l	100
20) Methylene Chloride	4.92	84	10282	4.75	ug/l	93
25) 2-Butanone	7.17	43	480	1.14	ug/l #	46
29) Tetrahydrofuran	7.56	42	274	1.06	ug/l #	38
31) Cyclohexane	7.95	56	3617	1.26	ug/l #	44
36) 1,1-Dichloropropene	7.95	75	12268	4.62	ug/l #	48
38) Carbon Tetrachloride	7.95	117	16887	5.81	ug/l #	16
52) Toluene	10.39	92	6152	1.26	ug/l	96
76) 1,2,3-Trichloropropane	12.62	75	49368	67.46	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	49368	161.25	ug/l #	10

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 18 17:01:24 2018
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: VW006214.D

Acq: 19 Oct 2018 09:57

Instrument :

MSVOA_W

ClientSampleId :

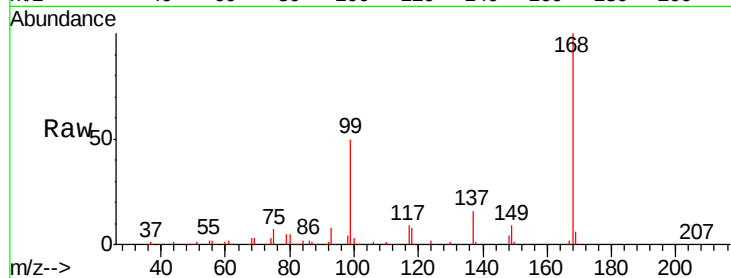
PL-03-101718-CRE

Tgt Ion:168 Resp: 188490

Ion Ratio Lower Upper

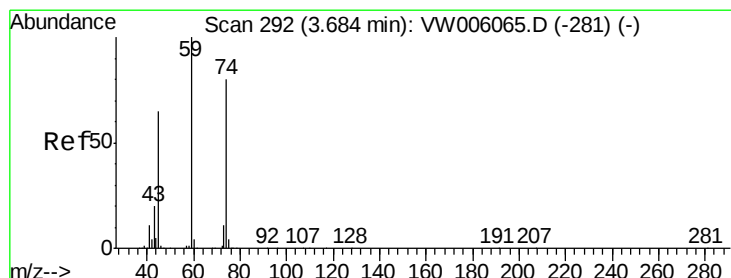
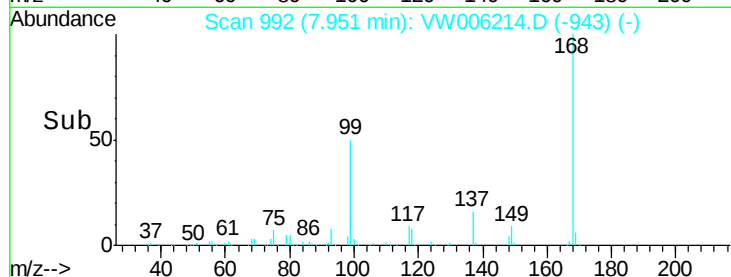
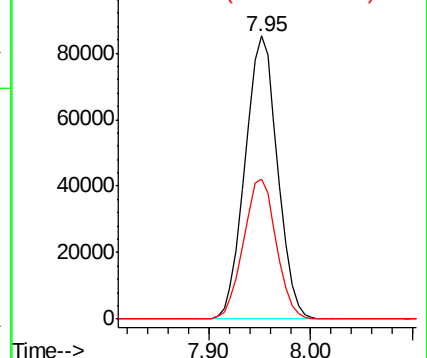
168 100

99 49.5 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#8

Diethyl Ether

Concen: 1.76 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.01 min

Lab File: VW006214.D

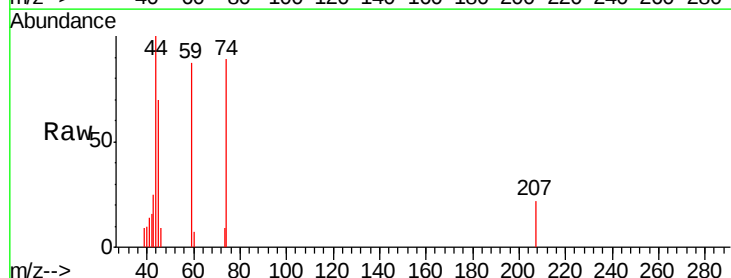
Acq: 19 Oct 2018 09:57

Tgt Ion: 74 Resp: 1493

Ion Ratio Lower Upper

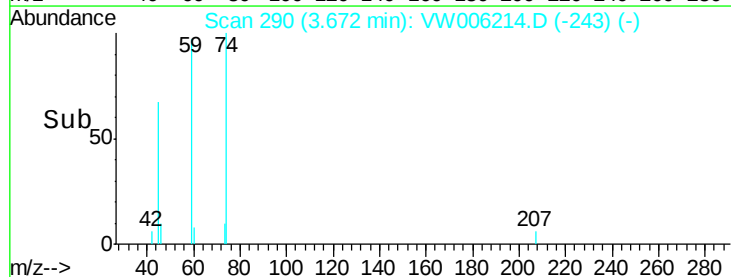
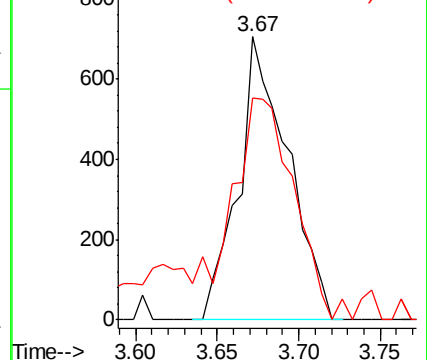
74 100

45 97.5 42.8 128.3



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW





#16

Acetone

Concen: 4.49 ug/l

RT: 4.15 min Scan# 368

Delta R.T. 0.00 min

Lab File: VW006214.D

Acq: 19 Oct 2018 09:57

Instrument :

MSVOA_W

ClientSampleId :

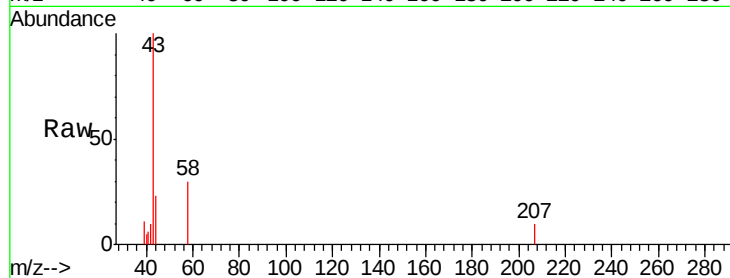
PL-03-101718-CRE

Tgt Ion: 43 Resp: 5579

Ion Ratio Lower Upper

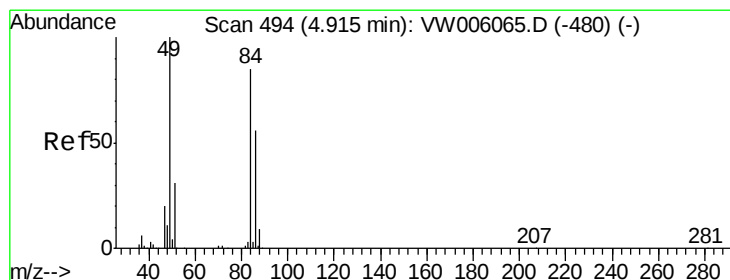
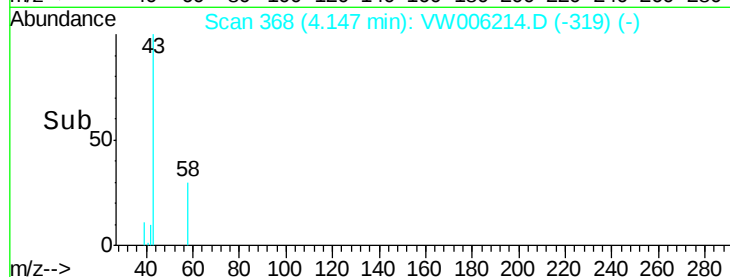
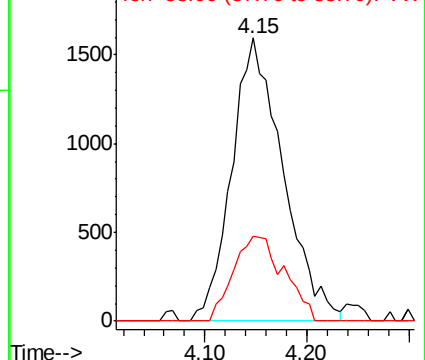
43 100

58 29.8 24.0 36.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#20

Methylene Chloride

Concen: 4.75 ug/l

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW006214.D

Acq: 19 Oct 2018 09:57

Tgt Ion: 84 Resp: 10282

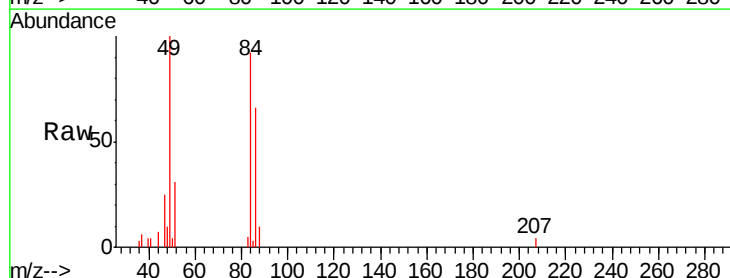
Ion Ratio Lower Upper

84 100

49 109.1 93.6 140.4

51 34.1 29.0 43.4

86 71.6 52.6 79.0

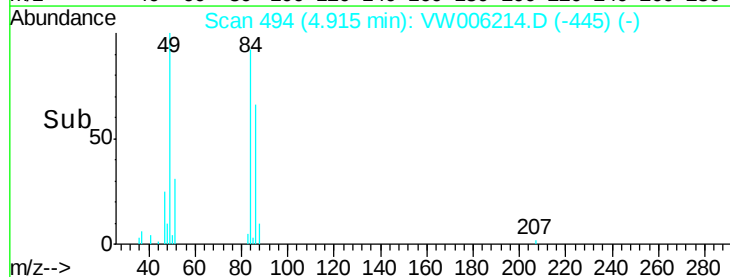
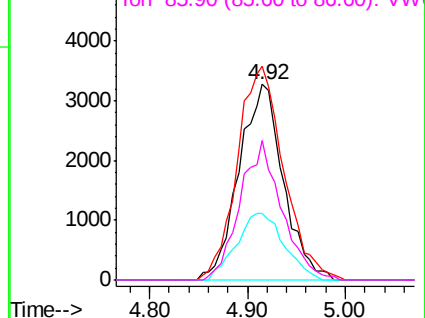


Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW





#25

2-Butanone

Concen: 1.14 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.01 min

Lab File: VW006214.D

Acq: 19 Oct 2018 09:57

Instrument :

MSVOA_W

ClientSampleId :

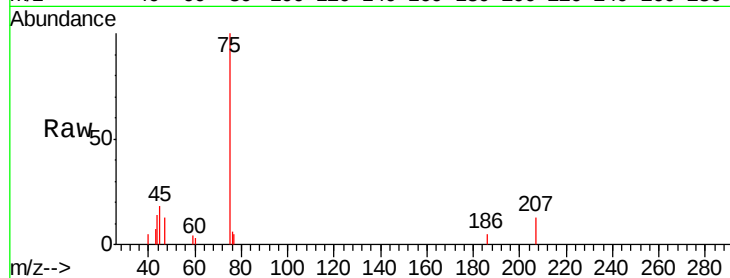
PL-03-101718-CRE

Tgt Ion: 43 Resp: 480

Ion Ratio Lower Upper

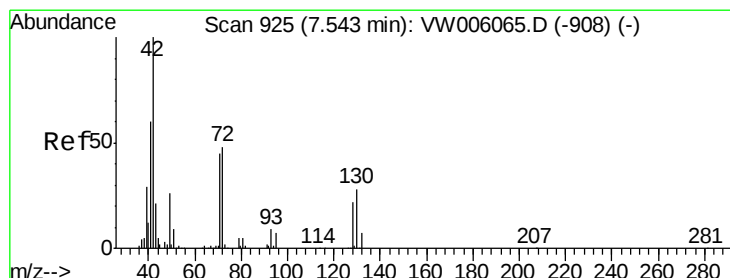
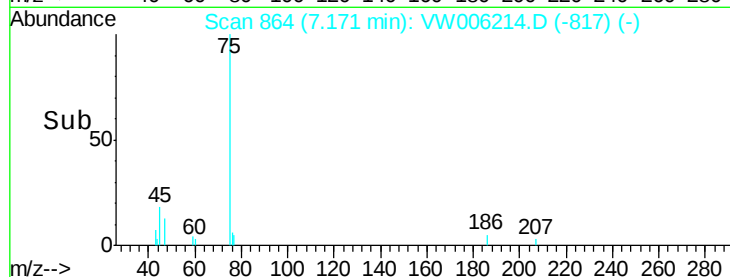
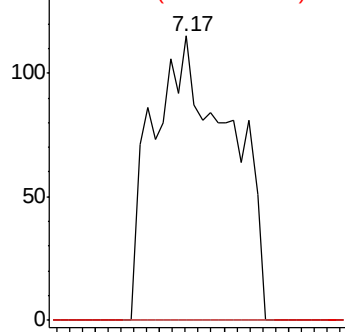
43 100

72 0.0 22.8 34.2#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#29

Tetrahydrofuran

Concen: 1.06 ug/l

RT: 7.56 min Scan# 927

Delta R.T. 0.01 min

Lab File: VW006214.D

Acq: 19 Oct 2018 09:57

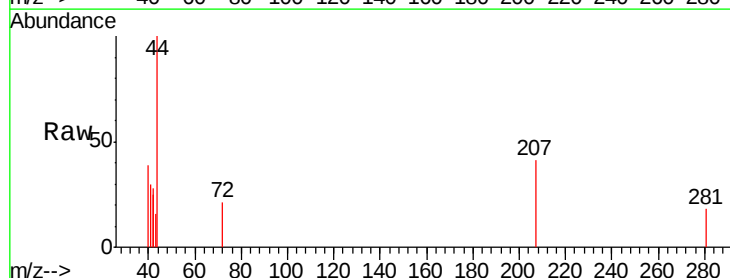
Tgt Ion: 42 Resp: 274

Ion Ratio Lower Upper

42 100

72 9.5 38.0 57.0#

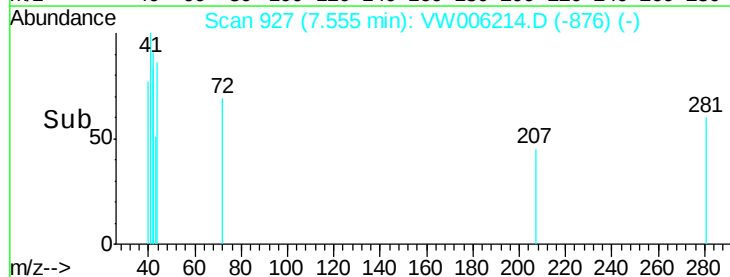
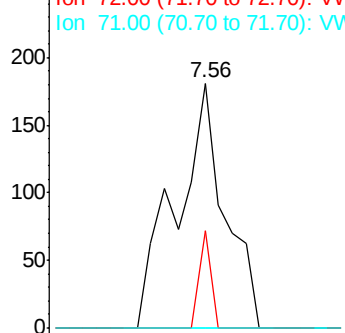
71 0.0 35.3 52.9#

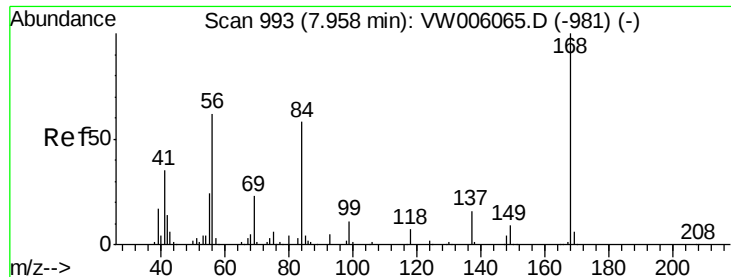


Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW

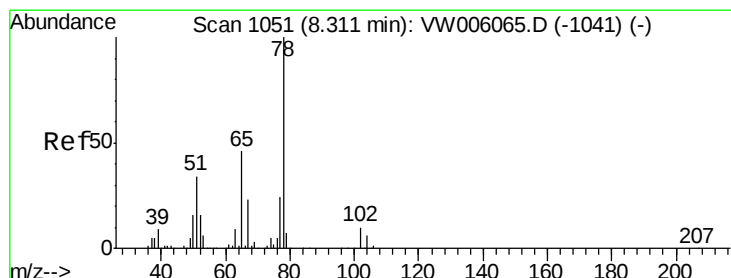
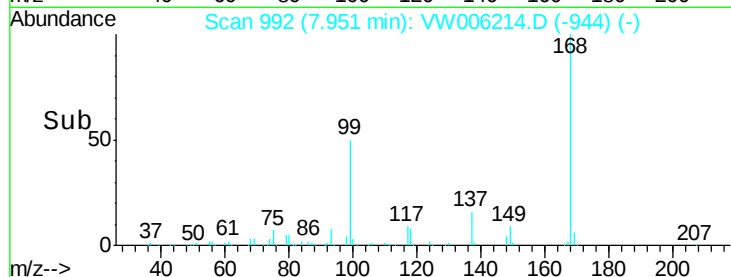
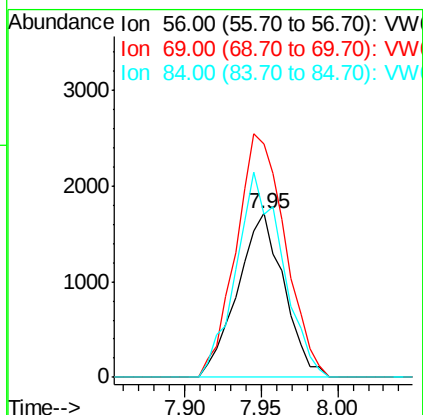
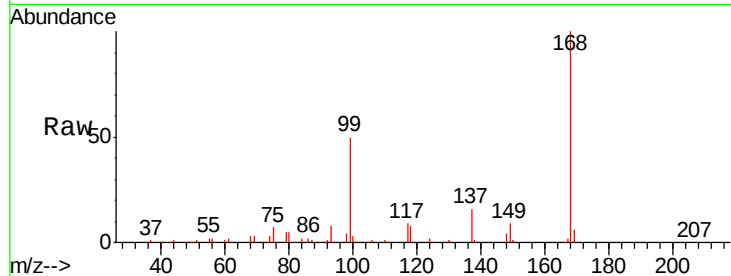




#31
Cyclohexane
Concen: 1.26 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW006214.D
Acq: 19 Oct 2018 09:57

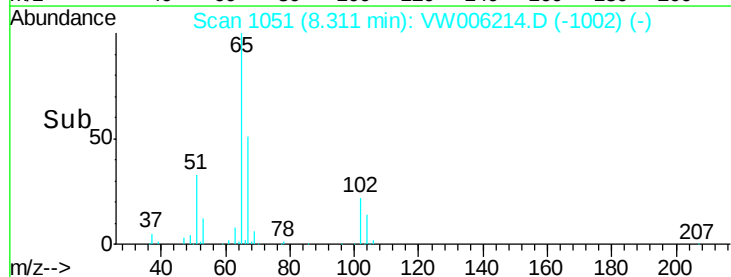
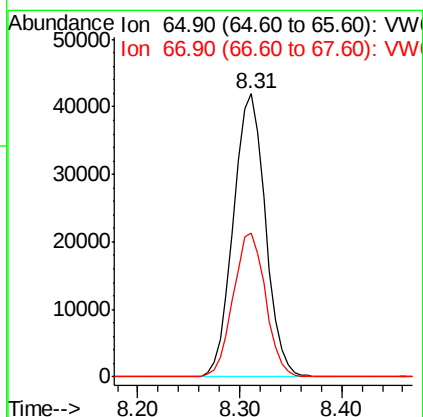
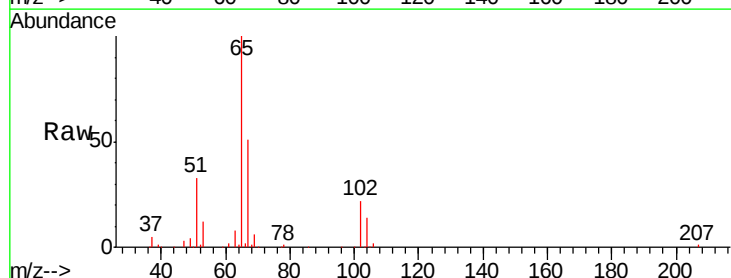
Instrument :
MSVOA_W
ClientSampleId :
PL-03-101718-CRE

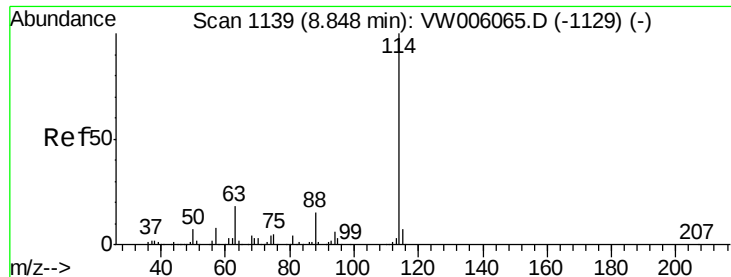
Tgt Ion: 56 Resp: 3617
Ion Ratio Lower Upper
56 100
69 142.1 29.4 44.0#
84 99.6 74.0 111.0



#33
1,2-Dichloroethane-d4
Concen: 58.43 ug/l
RT: 8.31 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VW006214.D
Acq: 19 Oct 2018 09:57

Tgt Ion: 65 Resp: 91302
Ion Ratio Lower Upper
65 100
67 51.1 0.0 101.0

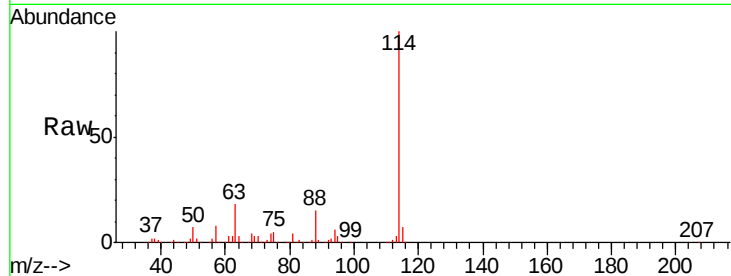




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW006214.D
 Acq: 19 Oct 2018 09:57

Instrument :
 MSVOA_W
 ClientSampleId :
 PL-03-101718-CRE

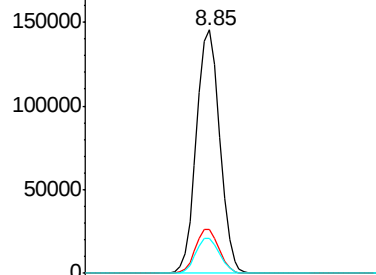
Tgt Ion	Ratio	Lower	Upper
114	100		
63	17.9	0.0	36.8
88	14.5	0.0	29.0



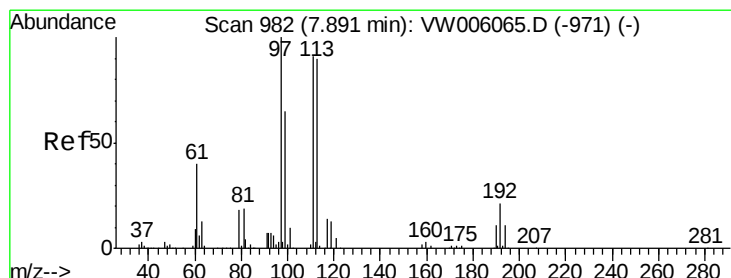
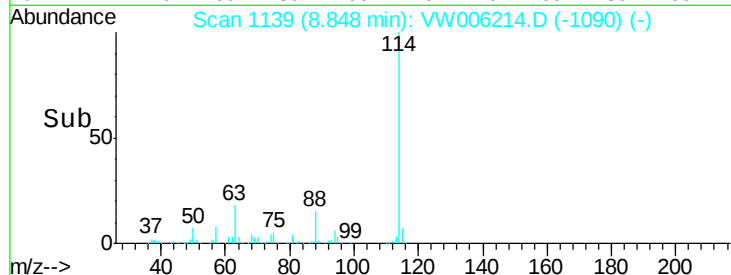
Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

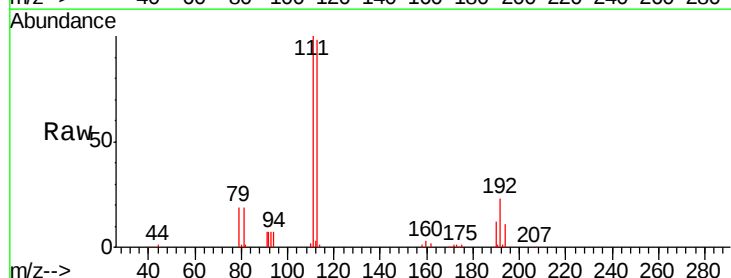


Time--> 8.70 8.80 8.90 9.00



#35
 Dibromofluoromethane
 Concen: 52.58 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. -0.00 min
 Lab File: VW006214.D
 Acq: 19 Oct 2018 09:57

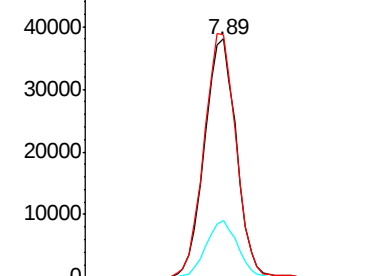
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.5	81.4	122.0
192	23.3	18.7	28.1



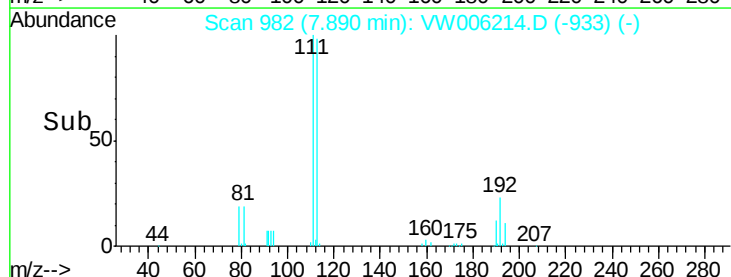
Abundance Ion 112.80 (112.50 to 113.50): V

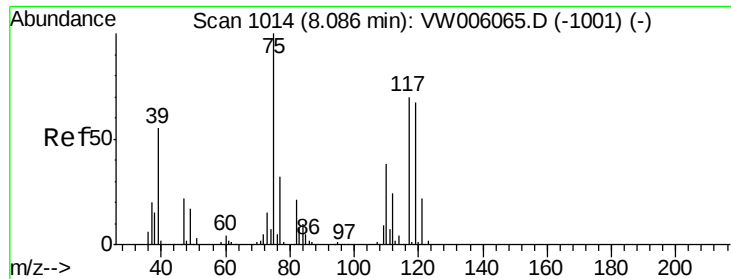
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



Time--> 7.80 7.90 8.00

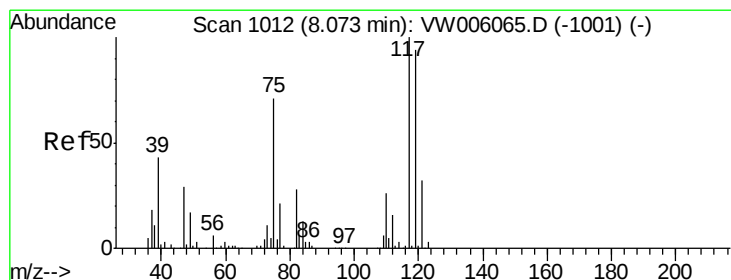
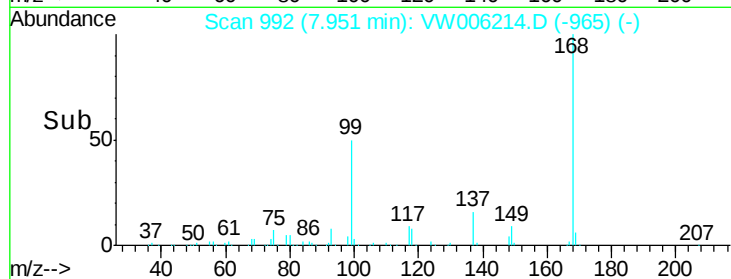
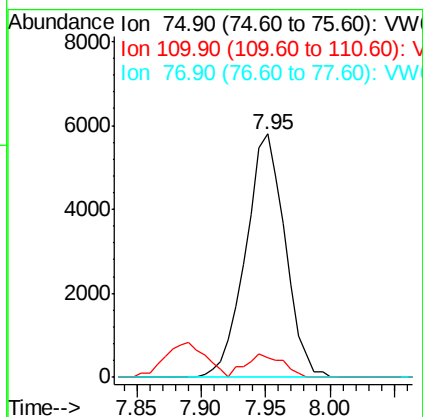
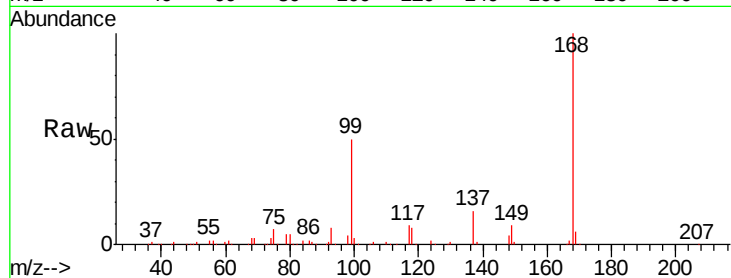




#36
 1,1-Dichloropropene
 Concen: 4.62 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW006214.D
 Acq: 19 Oct 2018 09:57

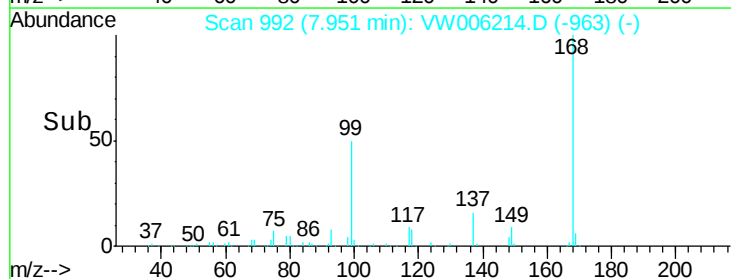
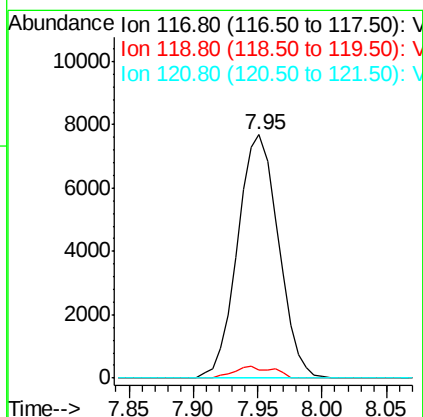
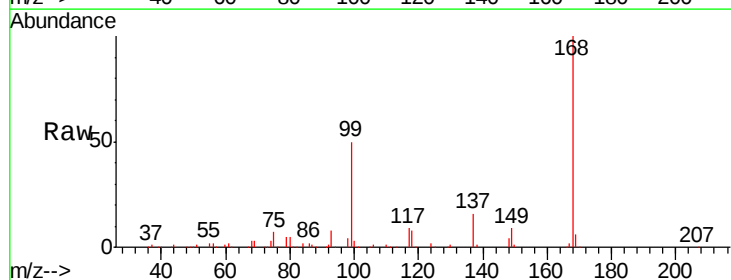
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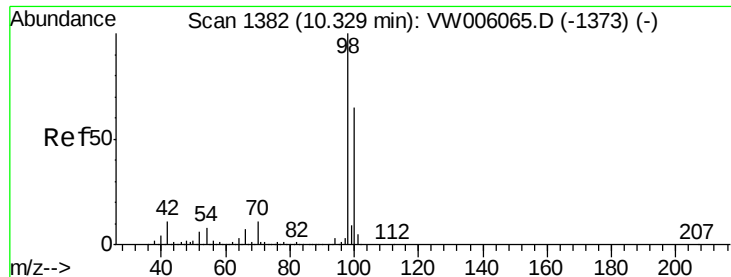
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.9	19.1	57.1#
77	0.0	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 5.81 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.12 min
 Lab File: VW006214.D
 Acq: 19 Oct 2018 09:57

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.6	75.2	112.8#
121	0.0	25.3	37.9#





#50

Toluene-d8

Concen: 46.23 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW006214.D

Acq: 19 Oct 2018 09:57

Instrument :

MSVOA_W

ClientSampleId :

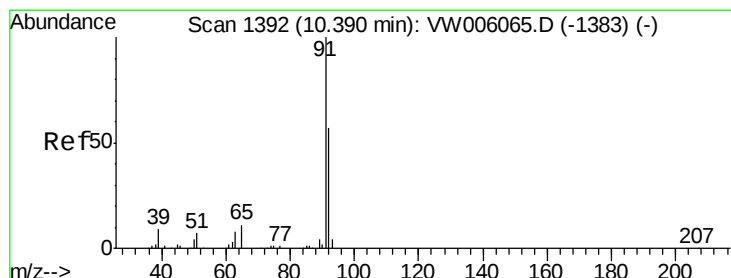
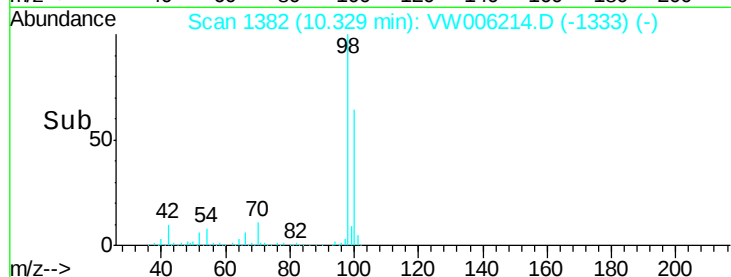
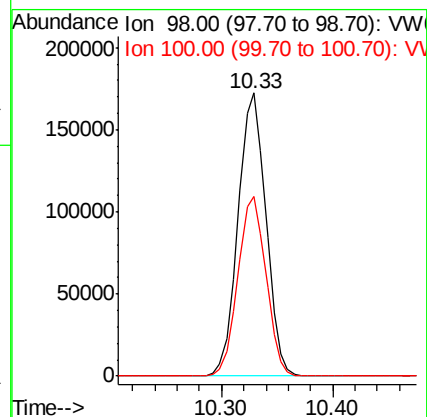
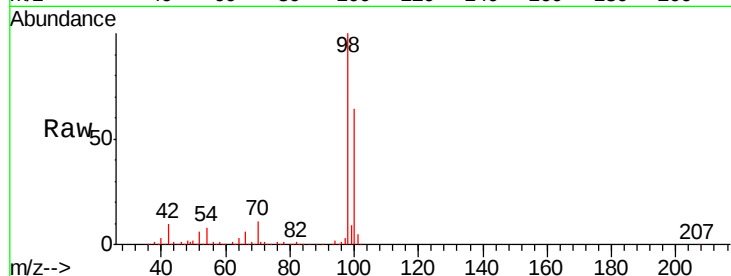
PL-03-101718-CRE

Tgt Ion: 98 Resp: 299159

Ion Ratio Lower Upper

98 100

100 63.8 51.6 77.4



#52

Toluene

Concen: 1.26 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW006214.D

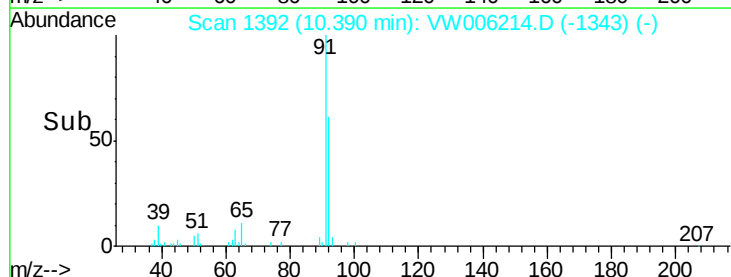
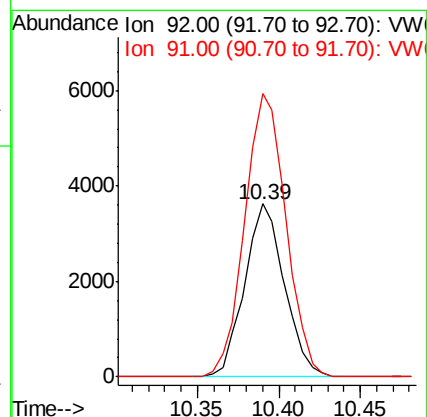
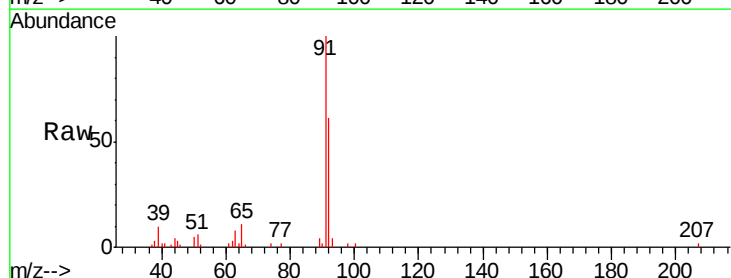
Acq: 19 Oct 2018 09:57

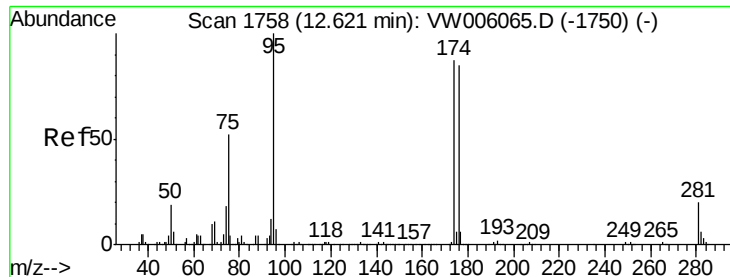
Tgt Ion: 92 Resp: 6152

Ion Ratio Lower Upper

92 100

91 169.6 140.0 210.0





#62

4-Bromofluorobenzene

Concen: 39.63 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW006214.D

Acq: 19 Oct 2018 09:57

Instrument :

MSVOA_W

ClientSampleId :

PL-03-101718-CRE

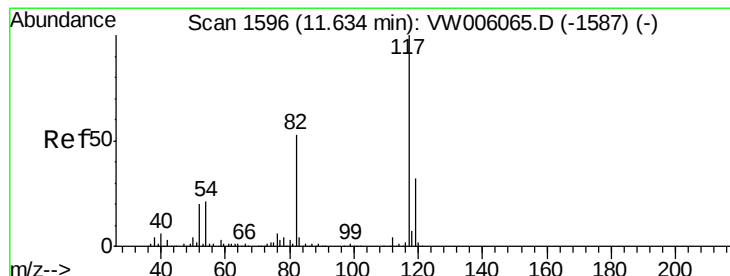
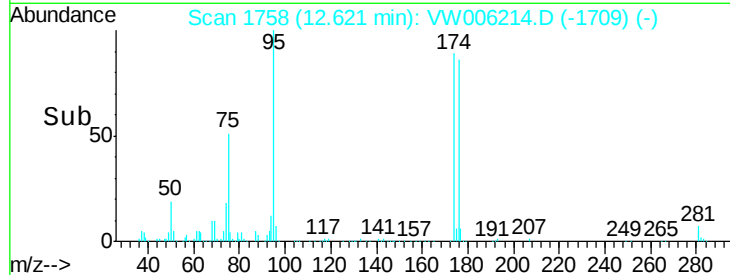
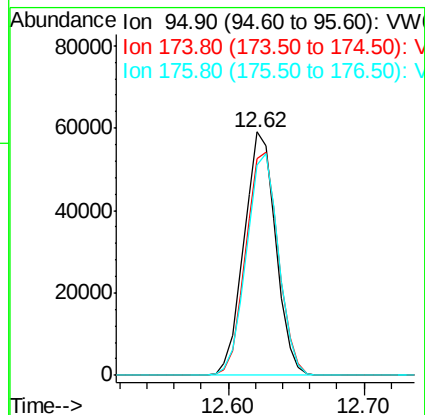
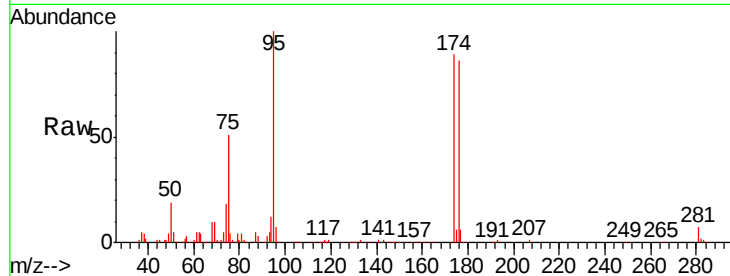
Tgt Ion: 95 Resp: 96318

Ion Ratio Lower Upper

95 100

174 94.2 0.0 186.0

176 92.3 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: VW006214.D

Acq: 19 Oct 2018 09:57

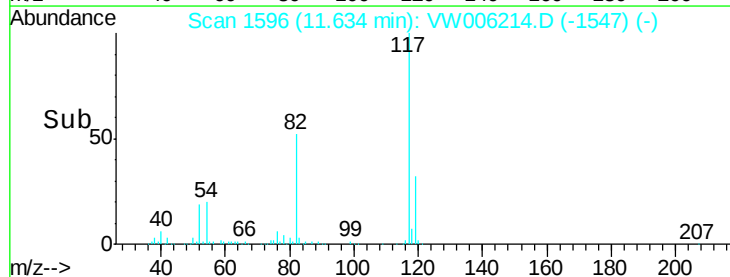
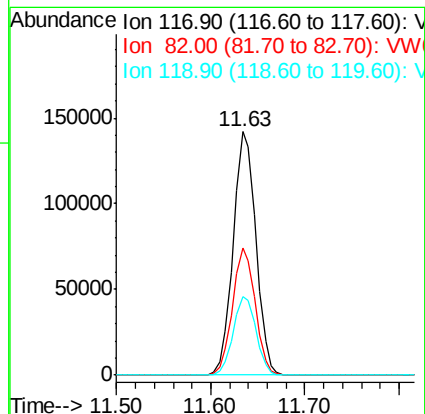
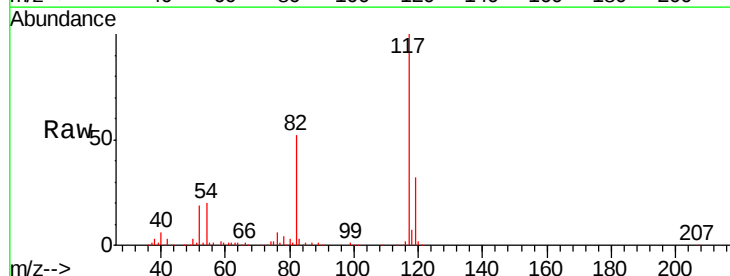
Tgt Ion: 117 Resp: 236826

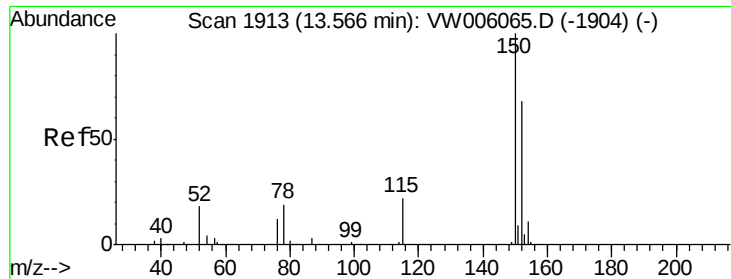
Ion Ratio Lower Upper

117 100

82 52.2 42.1 63.1

119 32.4 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. -0.00 min

Lab File: VW006214.D

Acq: 19 Oct 2018 09:57

Instrument :

MSVOA_W

ClientSampleId :

PL-03-101718-CRE

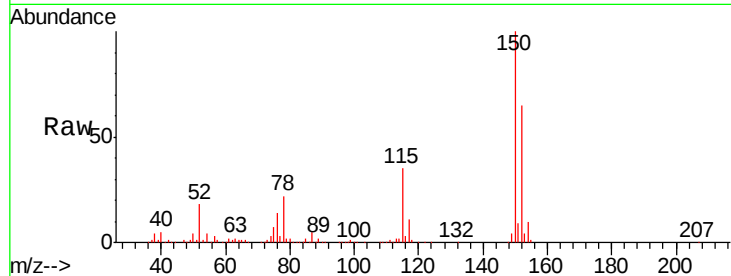
Tgt Ion:152 Resp: 95813

Ion Ratio Lower Upper

152 100

115 53.8 27.8 83.3

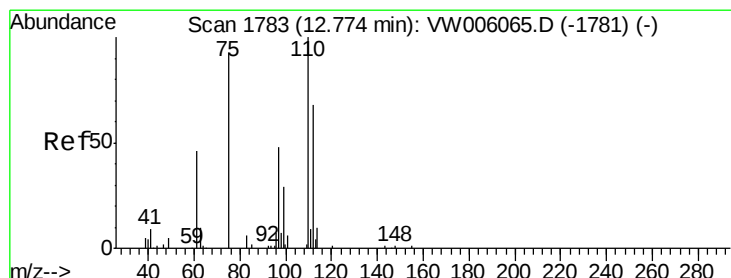
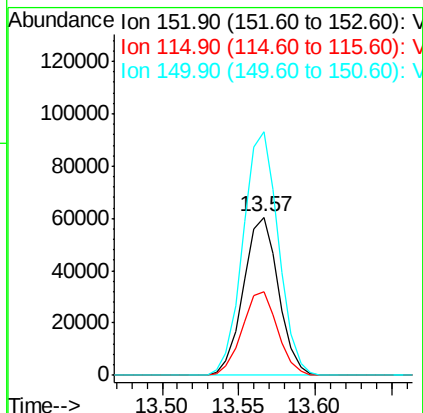
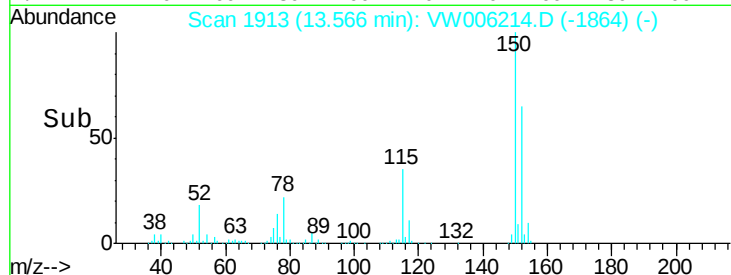
150 156.3 0.0 349.2



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



#76

1,2,3-Trichloropropane

Concen: 67.46 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW006214.D

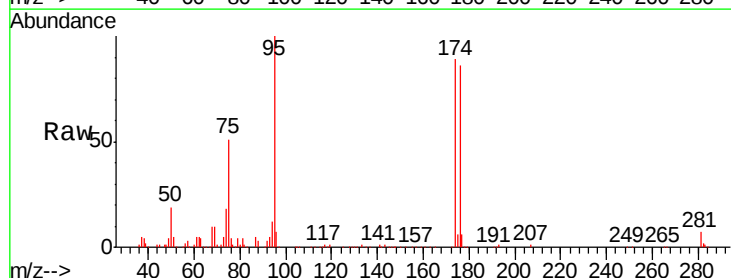
Acq: 19 Oct 2018 09:57

Tgt Ion: 75 Resp: 49368

Ion Ratio Lower Upper

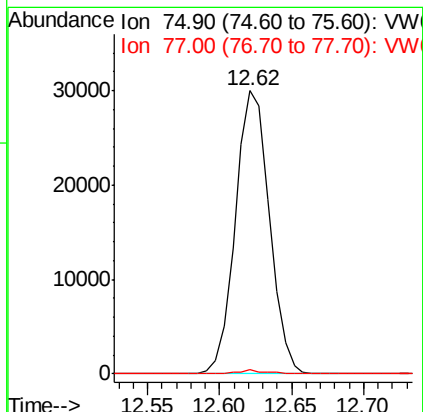
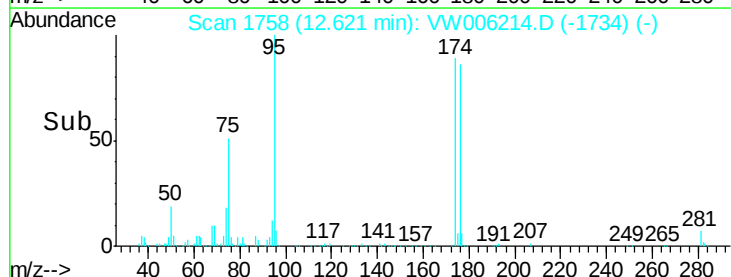
75 100

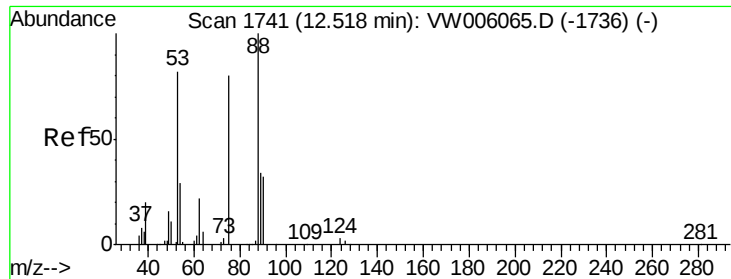
77 1.2 0.0 0.0#



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: 161.25 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW006214.D

Acq: 19 Oct 2018 09:57

Instrument :

MSVOA_W

ClientSampleId :

PL-03-101718-CRE

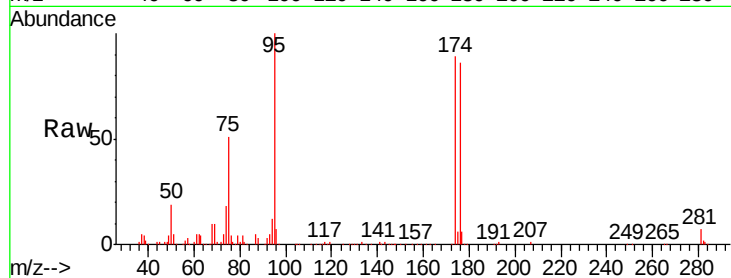
Tgt Ion: 75 Resp: 49368

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

