

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW103118\
 Data File : VW006500.D
 Acq On : 30 Oct 2018 14:34
 Operator : SY/AP
 Sample : J5691-01RE
 Misc : 5.74G/5ML/MSVOA_W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-12RE

Quant Time: Oct 30 17:13:33 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	229367	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	336103	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	252849	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	76132	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	104136	54.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.52%	
35) Dibromofluoromethane	7.89	113	104124	52.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.86%	
50) Toluene-d8	10.33	98	354356	46.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.80%	
62) 4-Bromofluorobenzene	12.62	95	89868	31.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	63.34%	

Target Compounds

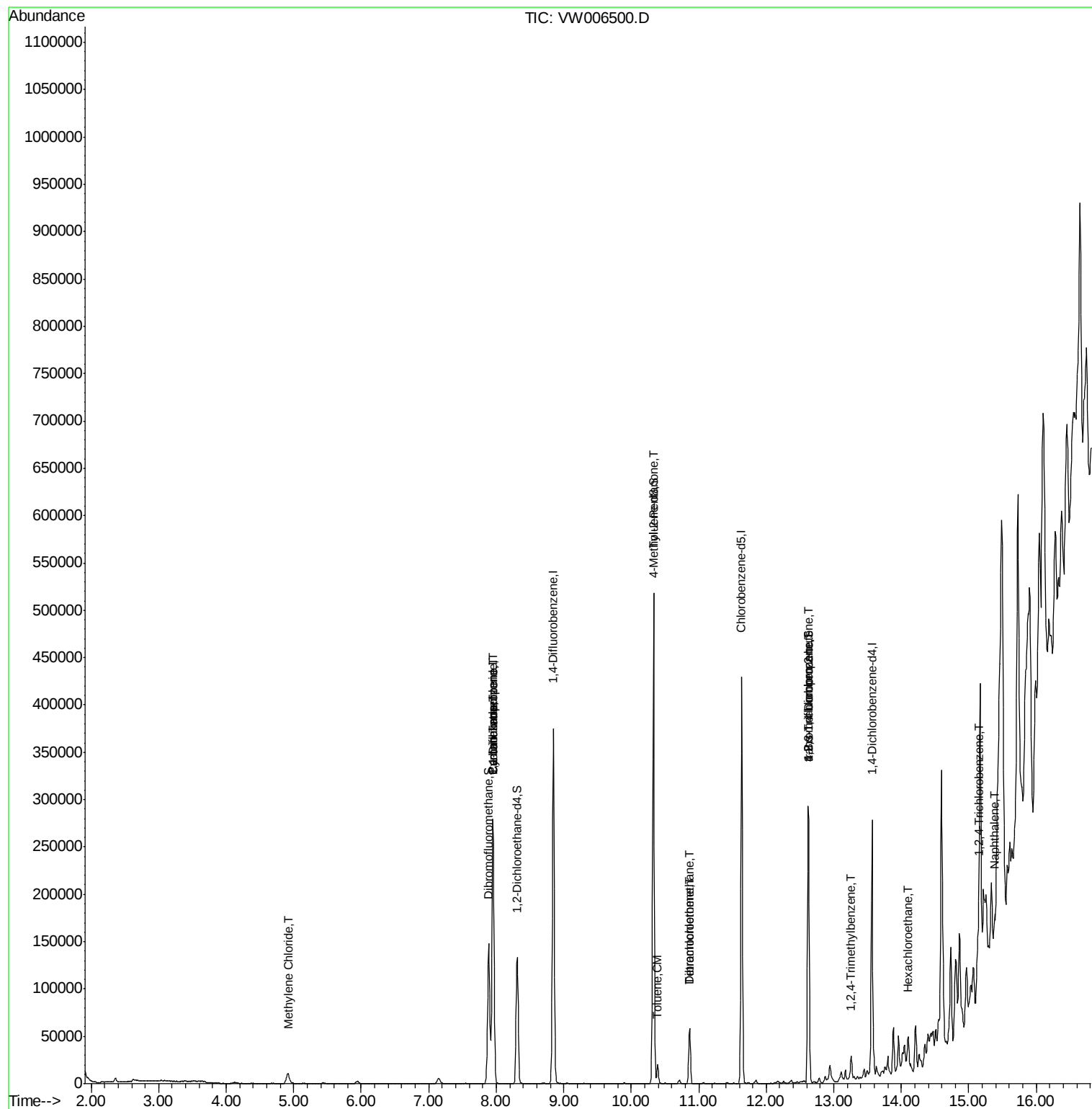
						Qvalue
16) Acetone	4.12	43	2139	Below Cal	#	86
20) Methylene Chloride	4.92	84	8943	2.91	ug/l	94
31) Cyclohexane	7.95	56	3763	1.08	ug/l #	12
36) 1,1-Dichloropropene	7.95	75	14201	4.58	ug/l #	49
38) Carbon Tetrachloride	7.95	117	19584	5.77	ug/l #	16
51) 4-Methyl-2-Pentanone	10.32	43	1495	1.27	ug/l #	1
52) Toluene	10.39	92	8720	1.53	ug/l	97
60) Dibromochloromethane	10.87	129	10908	5.40	ug/l #	11
64) Tetrachloroethene	10.87	164	13845	7.05	ug/l	97
76) 1,2,3-Trichloropropane	12.62	75	44872	77.17	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	44872	184.46	ug/l #	10
84) 1,2,4-Trimethylbenzene	13.26	105	13490	2.94	ug/l	100
90) Hexachloroethane	14.10	117	1663	1.89	ug/l #	4
93) 1,2,4-Trichlorobenzene	15.14	180	2755	1.53	ug/l #	12
95) Naphthalene	15.38	128	7430	2.48	ug/l #	95

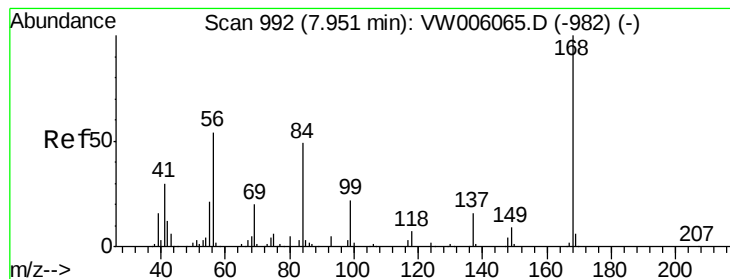
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 30 17:13:33 2018
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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: VW006500.D

Acq: 30 Oct 2018 14:34

Instrument :

MSVOA_W

ClientSampleId :

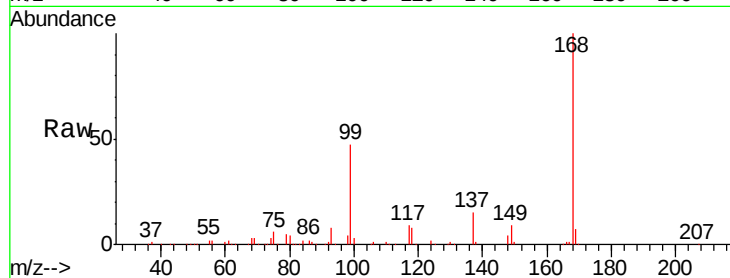
SB-12RE

Tgt Ion:168 Resp: 229367

Ion Ratio Lower Upper

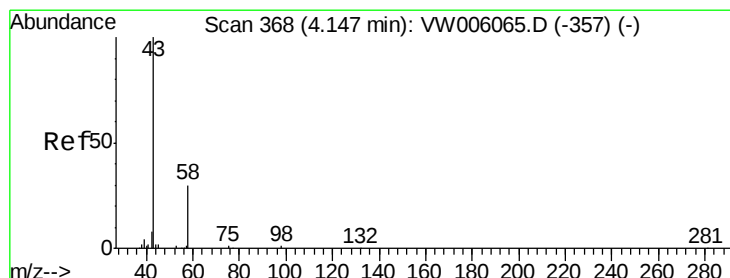
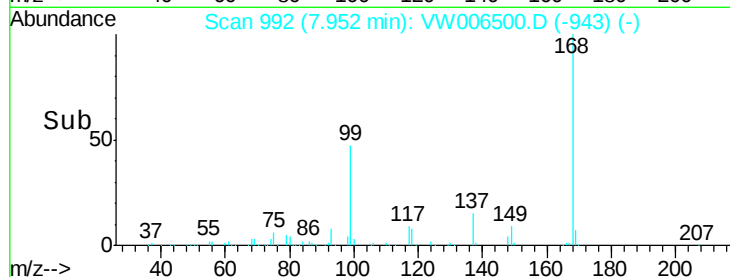
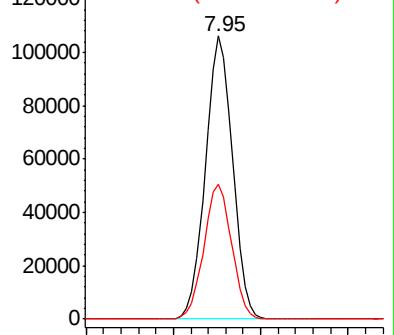
168 100

99 47.4 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#16

Acetone

Concen: Below Cal

RT: 4.12 min Scan# 364

Delta R.T. -0.02 min

Lab File: VW006500.D

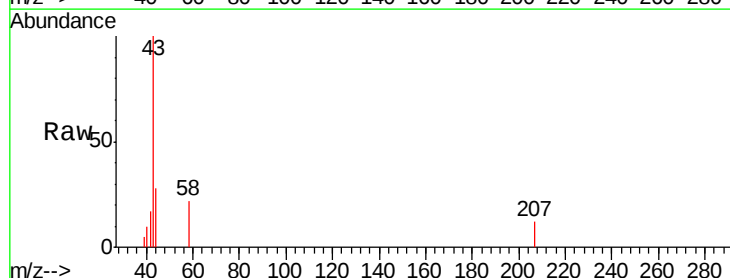
Acq: 30 Oct 2018 14:34

Tgt Ion: 43 Resp: 2139

Ion Ratio Lower Upper

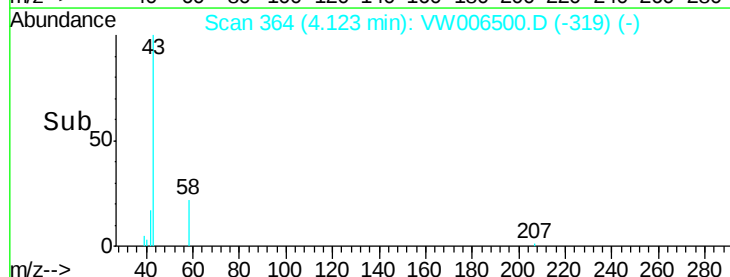
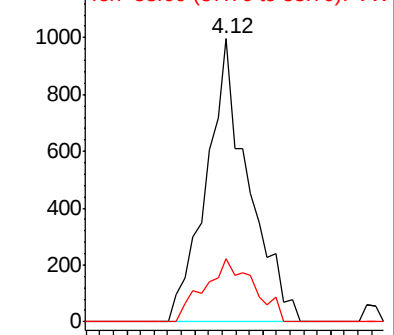
43 100

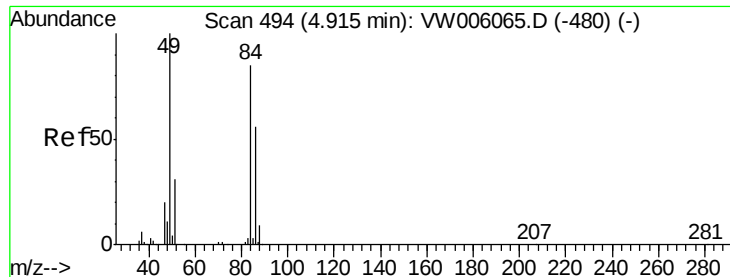
58 22.2 24.0 36.0#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#20

Methylene Chloride

Concen: 2.91 ug/l

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW006500.D

Acq: 30 Oct 2018 14:34

Instrument :

MSVOA_W

ClientSampleId :

SB-12RE

Tgt Ion: 84 Resp: 8943

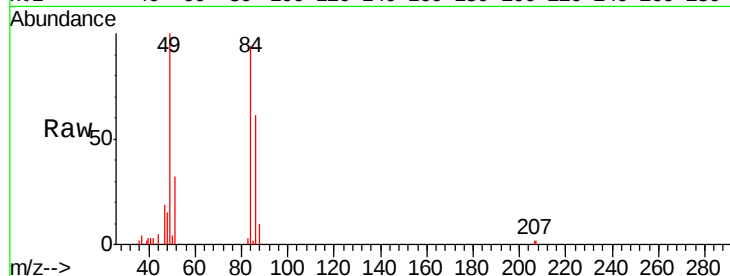
Ion Ratio Lower Upper

84 100

49 106.4 93.6 140.4

51 34.5 29.0 43.4

86 65.2 52.6 79.0

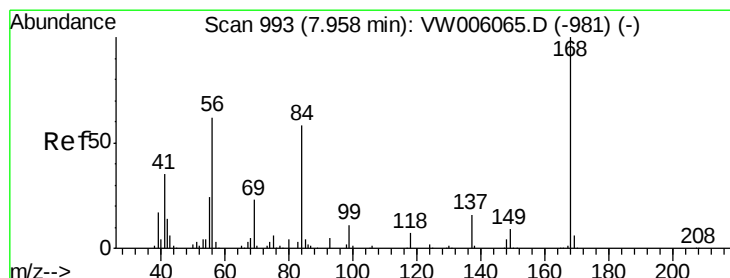
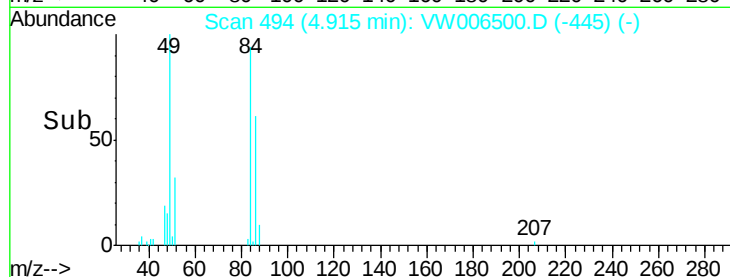
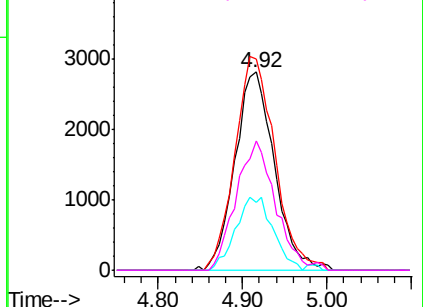


Abundance Ion 83.90 (83.60 to 84.60): VW

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



#31

Cyclohexane

Concen: 1.08 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW006500.D

Acq: 30 Oct 2018 14:34

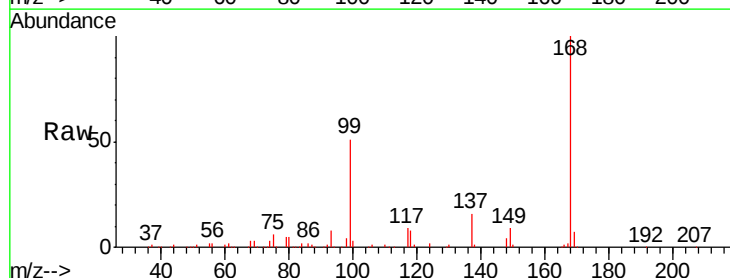
Tgt Ion: 56 Resp: 3763

Ion Ratio Lower Upper

56 100

69 176.0 29.4 44.0#

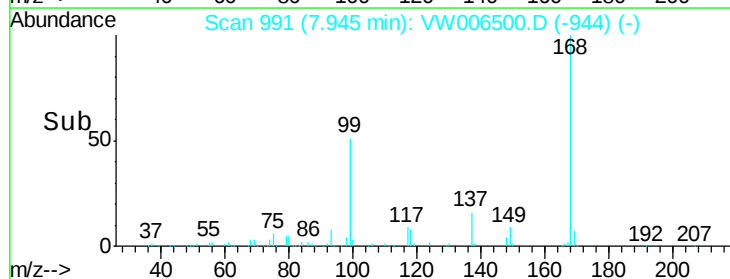
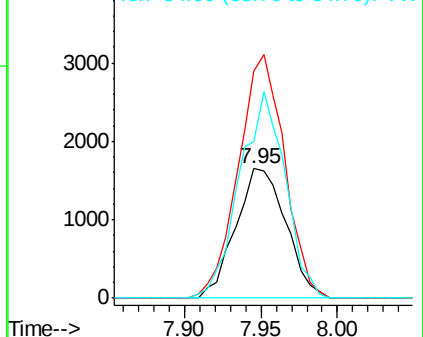
84 121.2 74.0 111.0#

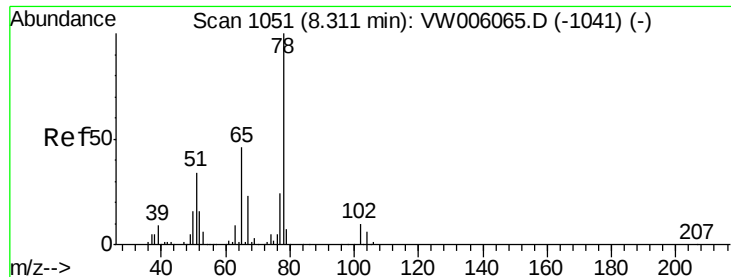


Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW

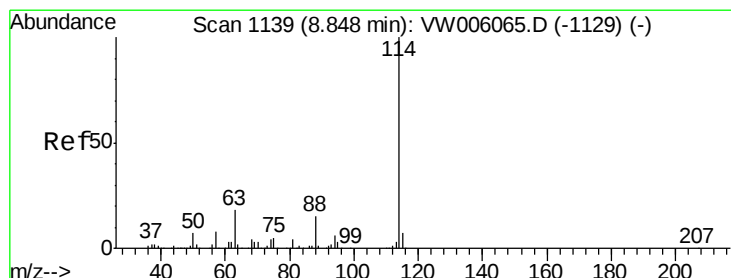
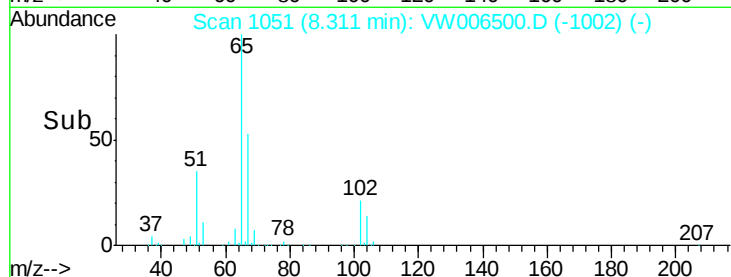
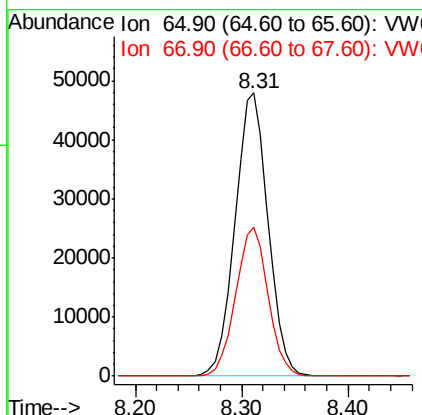
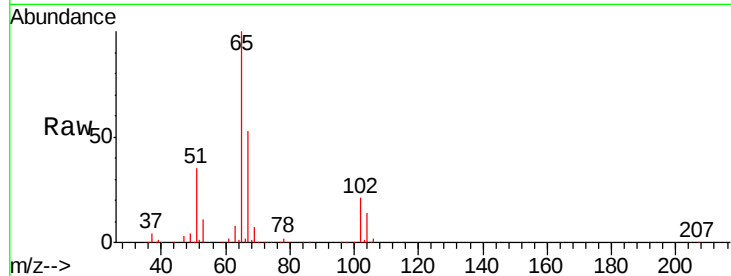




#33
 1,2-Dichloroethane-d4
 Concen: 54.76 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VW006500.D
 Acq: 30 Oct 2018 14:34

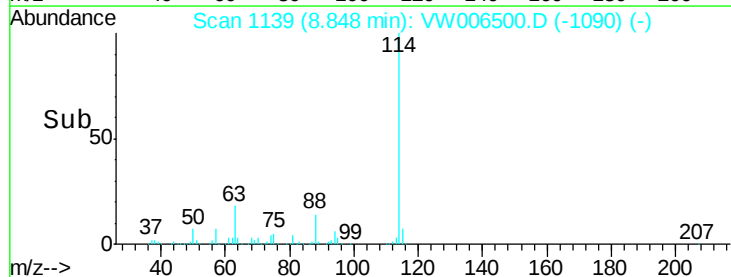
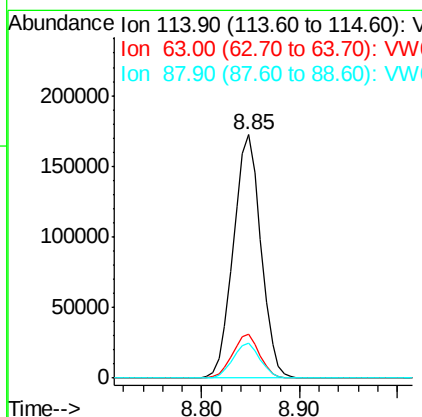
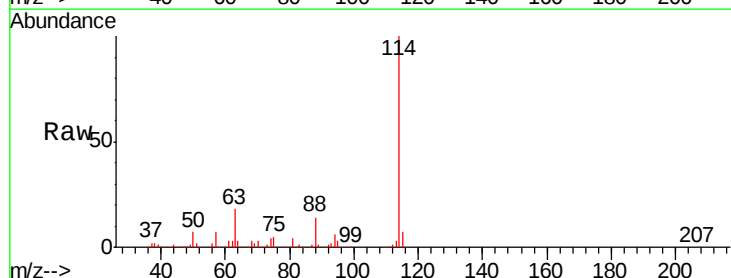
Instrument :
 MSVOA_W
 ClientSampled :
 SB-12RE

Tgt Ion: 65 Resp: 104136
 Ion Ratio Lower Upper
 65 100
 67 51.7 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: VW006500.D
 Acq: 30 Oct 2018 14:34

Tgt Ion: 114 Resp: 336103
 Ion Ratio Lower Upper
 114 100
 63 17.9 0.0 36.8
 88 14.4 0.0 29.0

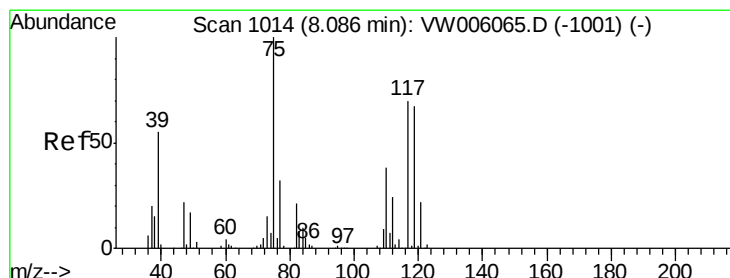
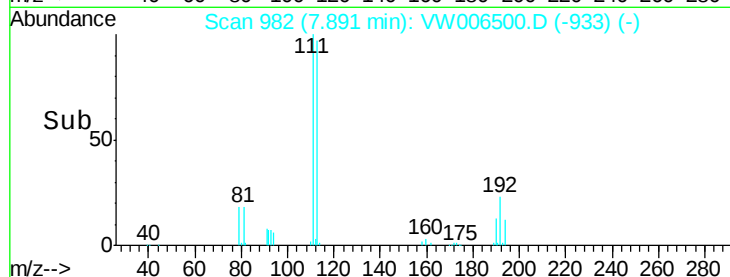
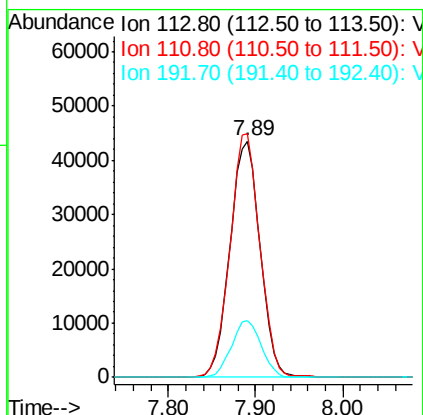
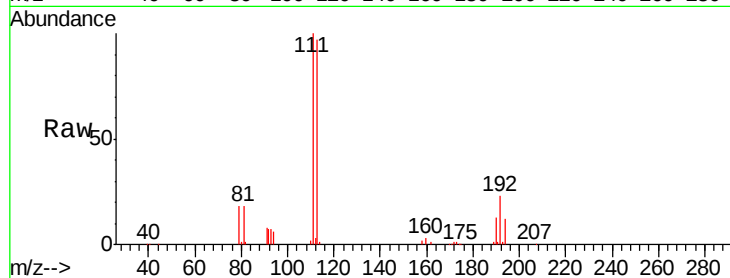




#35
 Dibromofluoromethane
 Concen: 52.43 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. 0.00 min
 Lab File: VW006500.D
 Acq: 30 Oct 2018 14:34

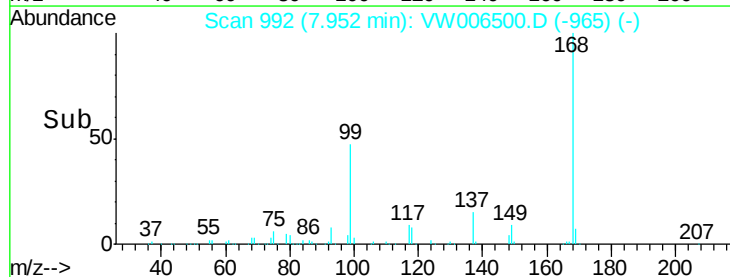
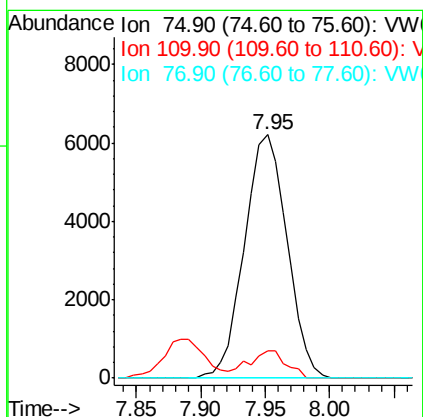
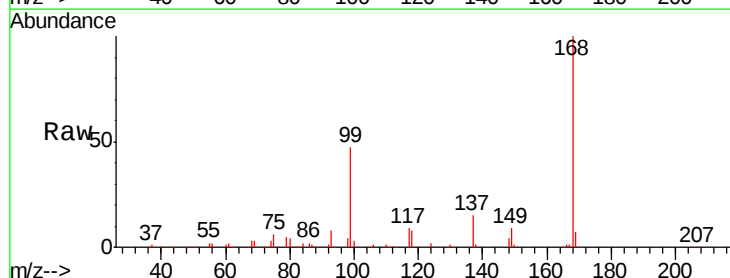
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-12RE

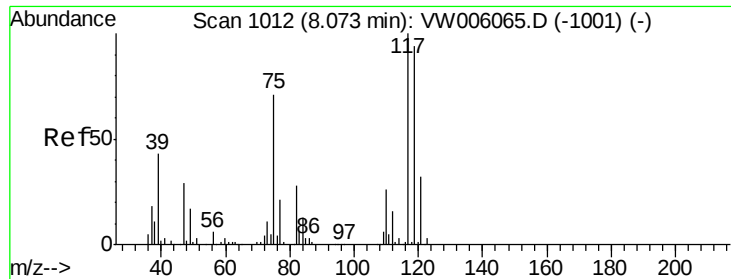
Tgt Ion: 113 Resp: 104124
 Ion Ratio Lower Upper
 113 100
 111 102.1 81.4 122.0
 192 23.8 18.7 28.1



#36
 1,1-Dichloropropene
 Concen: 4.58 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW006500.D
 Acq: 30 Oct 2018 14:34

Tgt Ion: 75 Resp: 14201
 Ion Ratio Lower Upper
 75 100
 110 9.9 19.1 57.1#
 77 0.0 25.0 37.4#

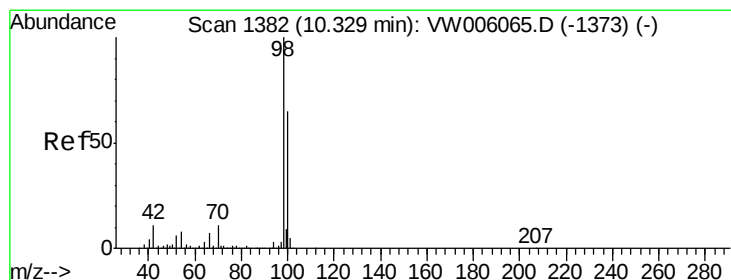
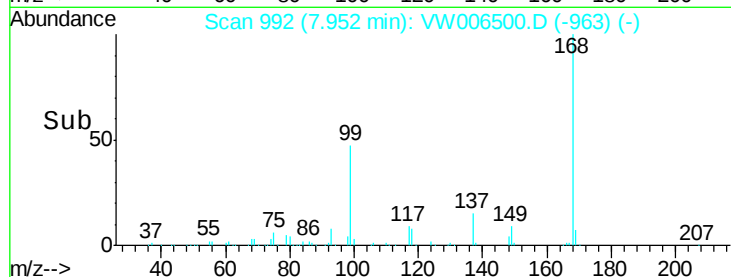
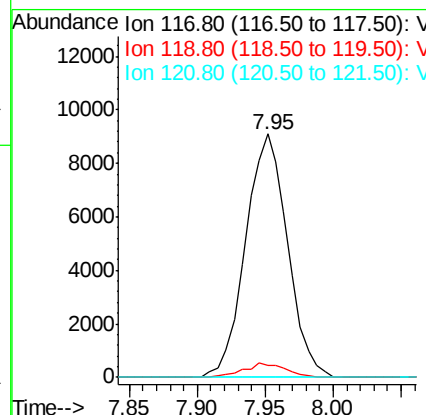
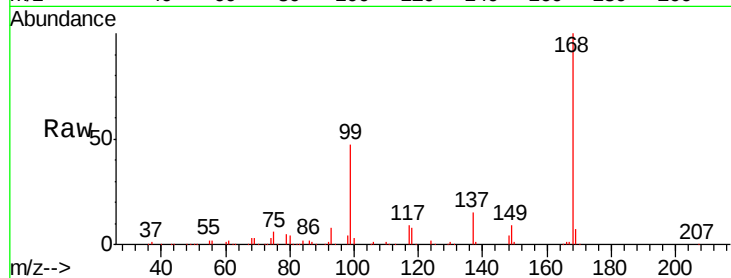




#38
Carbon Tetrachloride
Concen: 5.77 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW006500.D
Acq: 30 Oct 2018 14:34

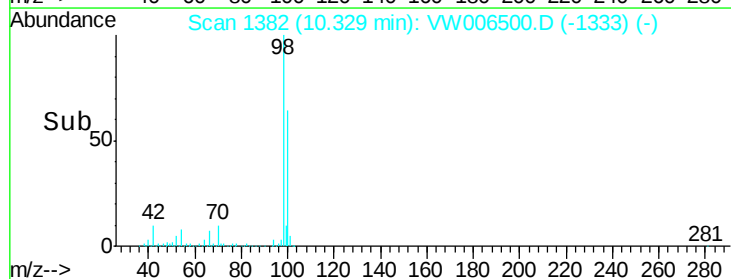
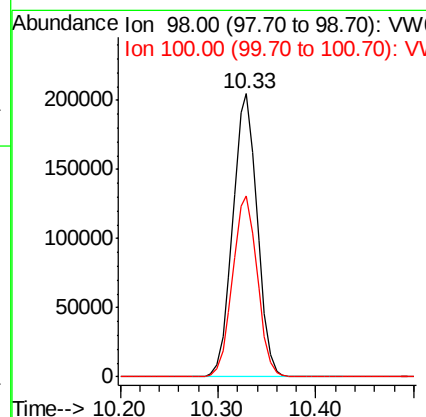
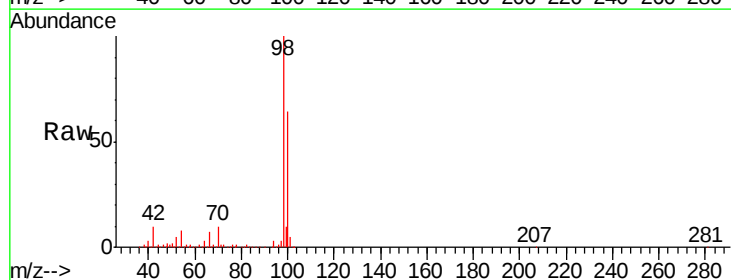
Instrument :
MSVOA_W
ClientSampleId :
SB-12RE

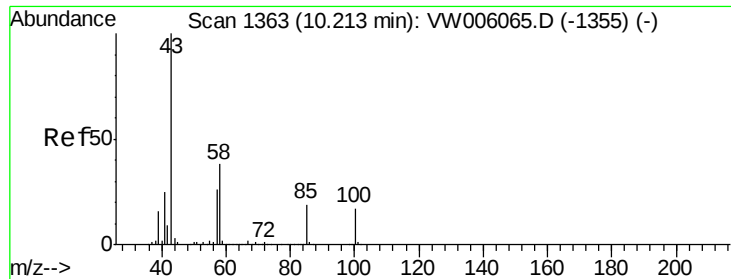
Tgt Ion:117 Resp: 19584
Ion Ratio Lower Upper
117 100
119 4.8 75.2 112.8#
121 0.0 25.3 37.9#



#50
Toluene-d8
Concen: 46.90 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VW006500.D
Acq: 30 Oct 2018 14:34

Tgt Ion: 98 Resp: 354356
Ion Ratio Lower Upper
98 100
100 64.6 51.6 77.4





#51

4-Methyl-2-Pentanone

Concen: 1.27 ug/l

RT: 10.32 min Scan# 1380

Delta R.T. 0.10 min

Lab File: VW006500.D

Acq: 30 Oct 2018 14:34

Instrument :

MSVOA_W

ClientSampleId :

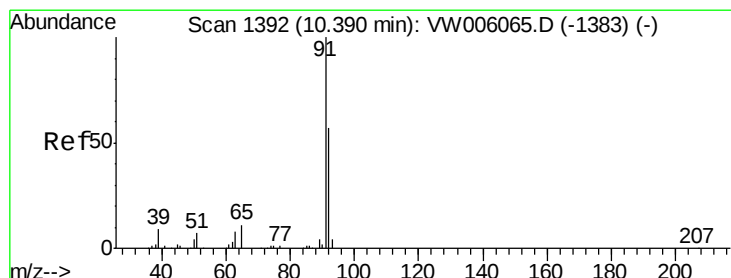
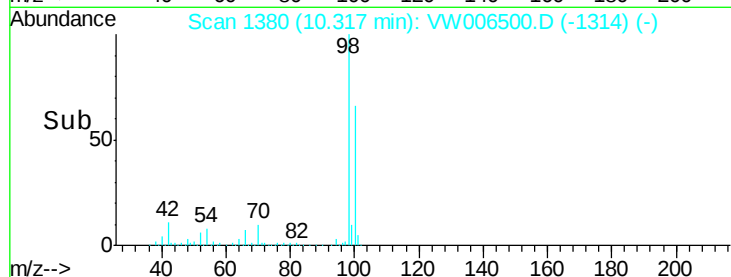
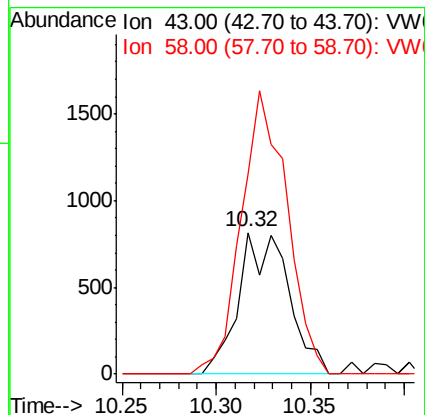
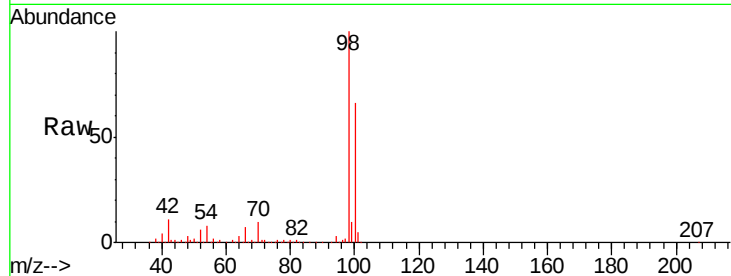
SB-12RE

Tgt Ion: 43 Resp: 1495

Ion Ratio Lower Upper

43 100

58 183.8 31.5 47.3#



#52

Toluene

Concen: 1.53 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW006500.D

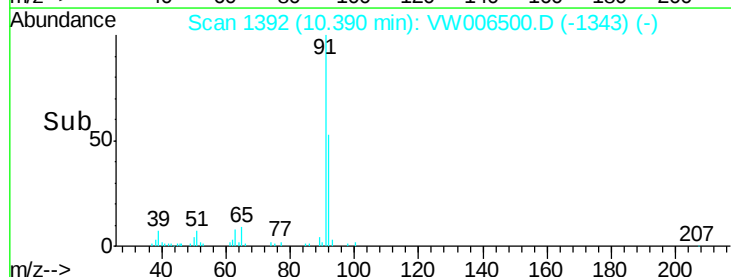
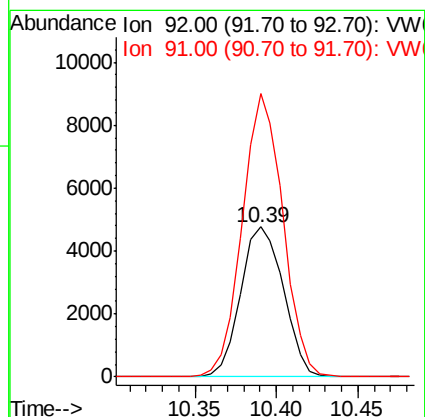
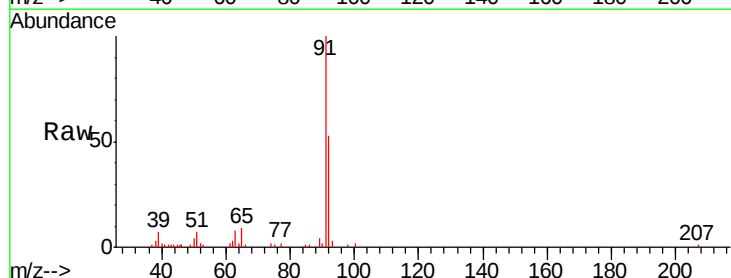
Acq: 30 Oct 2018 14:34

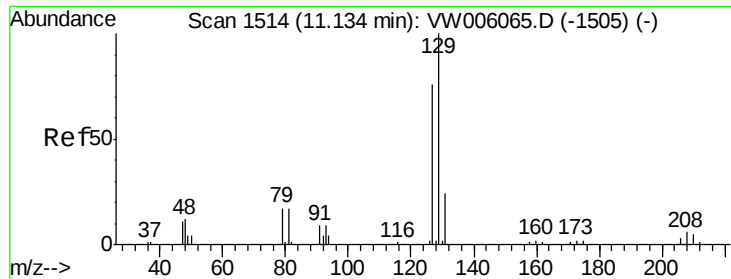
Tgt Ion: 92 Resp: 8720

Ion Ratio Lower Upper

92 100

91 179.0 140.0 210.0

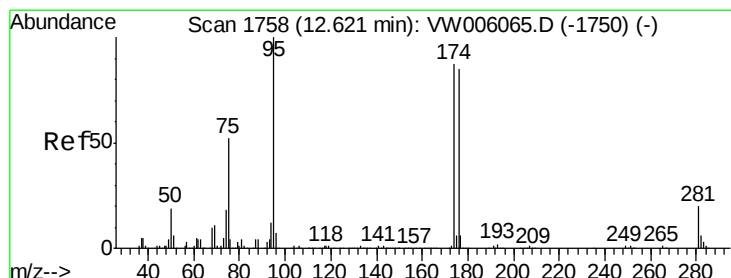
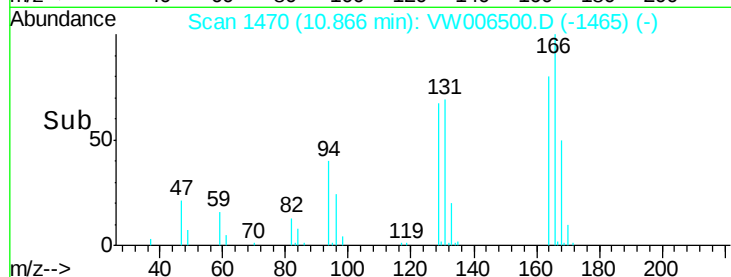
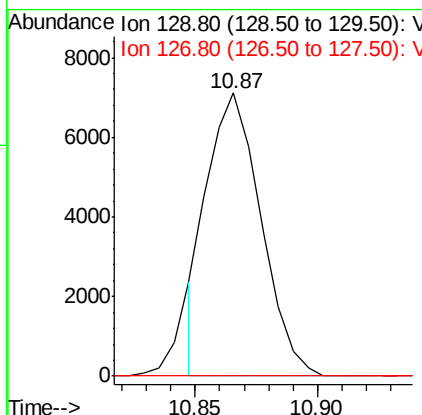
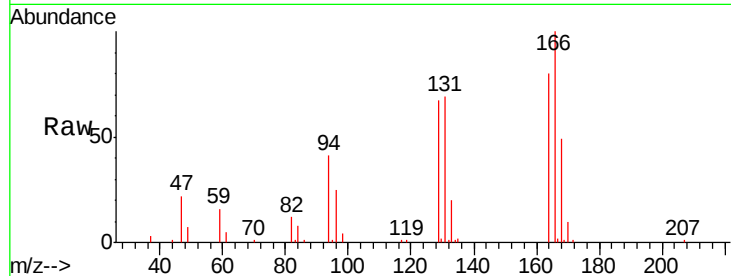




#60
 Dibromochloromethane
 Concen: 5.40 ug/l
 RT: 10.87 min Scan# 1470
 Delta R.T. -0.27 min
 Lab File: VW006500.D
 Acq: 30 Oct 2018 14:34

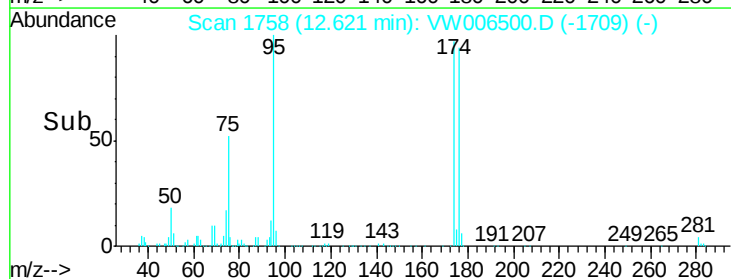
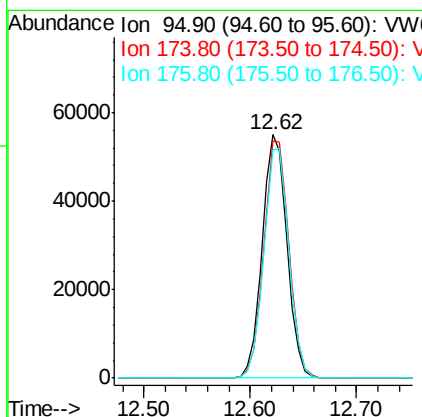
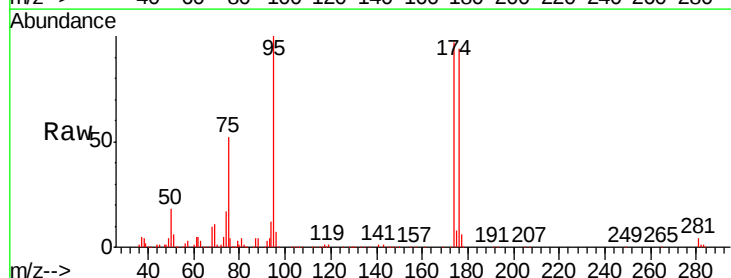
Instrument :
 MSVOA_W
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 SB-12RE

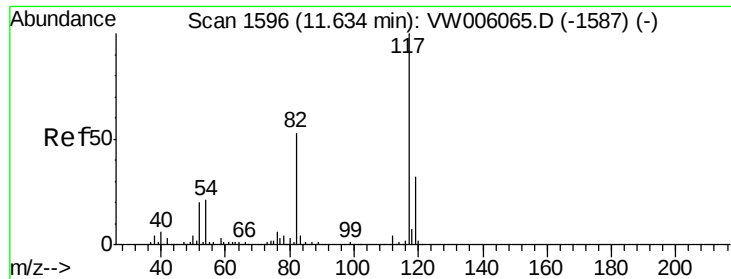
Tgt Ion: 129 Resp: 10908
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.6 115.7#



#62
 4-Bromofluorobenzene
 Concen: 31.67 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW006500.D
 Acq: 30 Oct 2018 14:34

Tgt Ion: 95 Resp: 89868
 Ion Ratio Lower Upper
 95 100
 174 98.9 0.0 186.0
 176 95.5 0.0 181.6

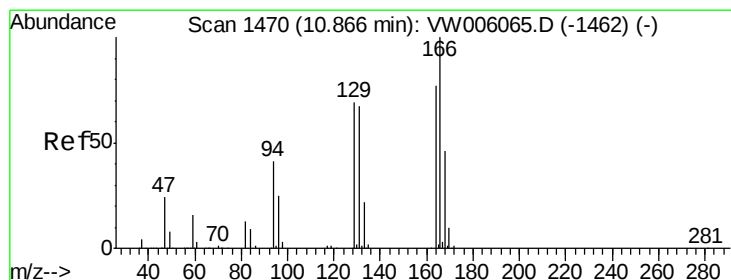
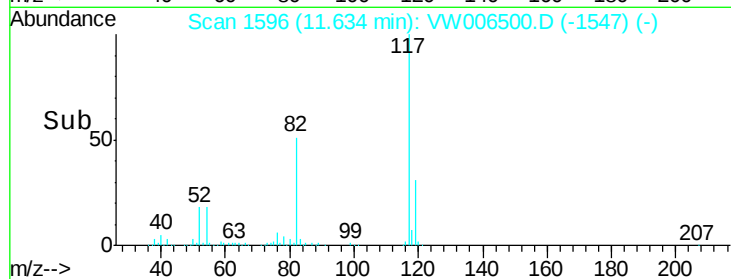
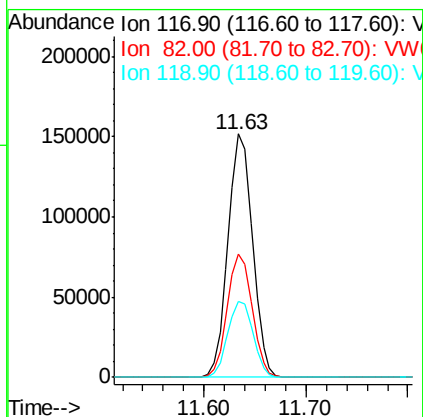
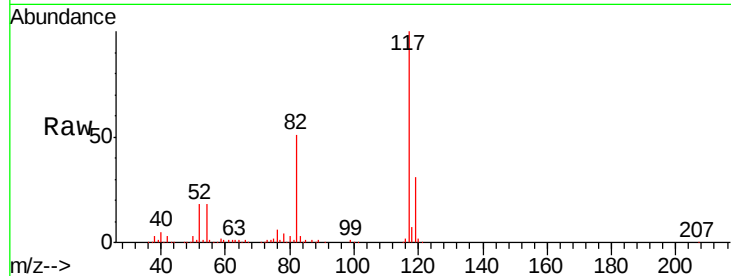




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW006500.D
Acq: 30 Oct 2018 14:34

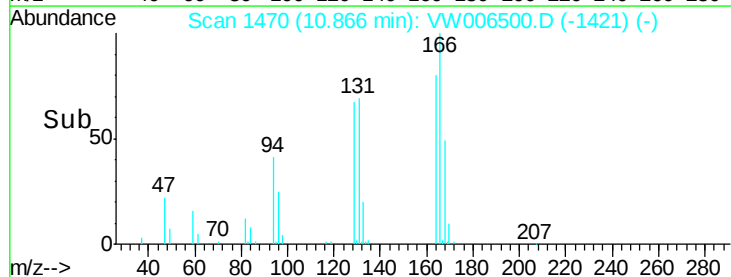
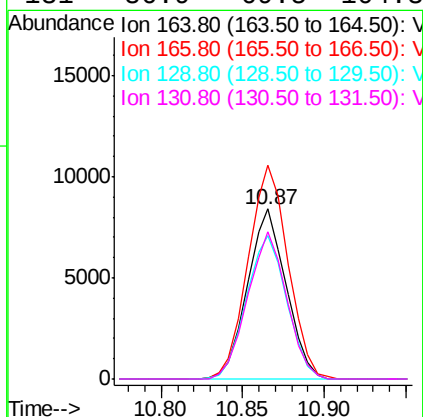
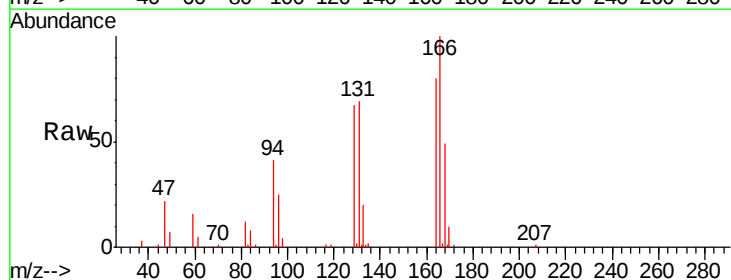
Instrument :
MSVOA_W
ClientSampled :
SB-12RE

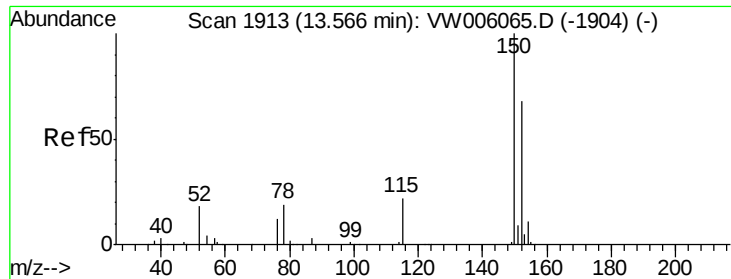
Tgt Ion:117 Resp: 252849
Ion Ratio Lower Upper
117 100
82 50.7 42.1 63.1
119 31.2 25.8 38.6



#64
Tetrachloroethene
Concen: 7.05 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW006500.D
Acq: 30 Oct 2018 14:34

Tgt Ion:164 Resp: 13845
Ion Ratio Lower Upper
164 100
166 125.7 103.4 155.0
129 84.6 71.8 107.8
131 86.9 69.5 104.3

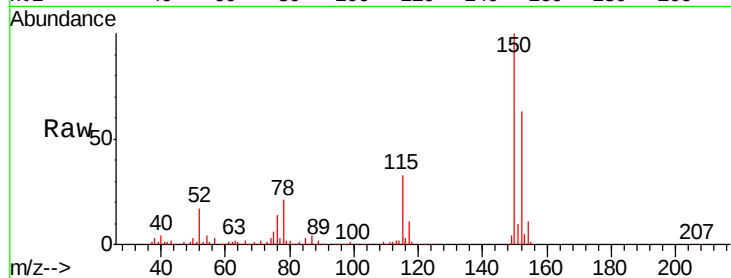




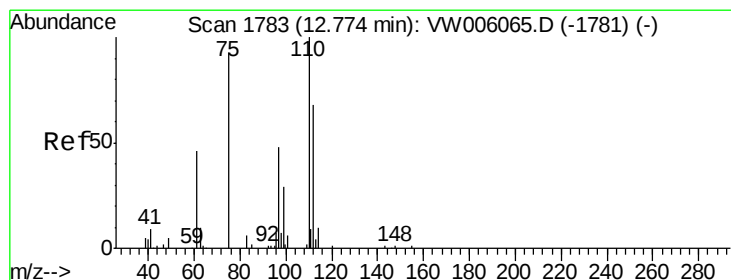
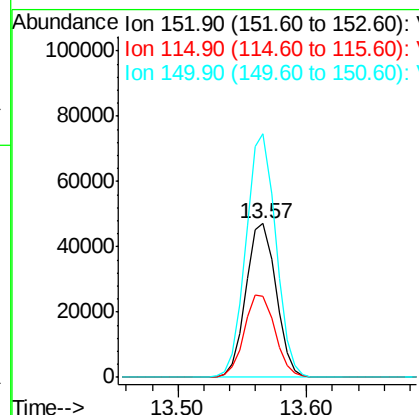
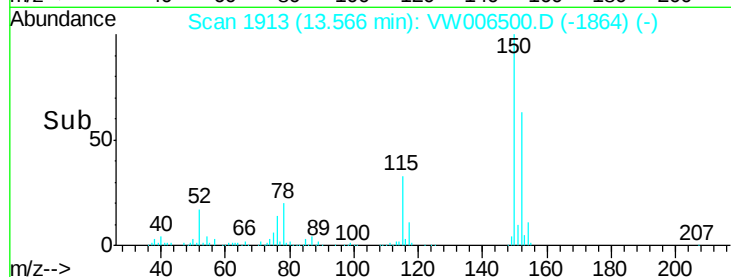
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.57 min Scan# 1913
 Delta R.T. 0.00 min
 Lab File: VW006500.D
 Acq: 30 Oct 2018 14:34

Instrument :
 MSVOA_W
 ClientSampled :
 SB-12RE

Tgt Ion:152 Resp: 76132
 Ion Ratio Lower Upper
 152 100
 115 55.0 27.8 83.3
 150 157.0 0.0 349.2

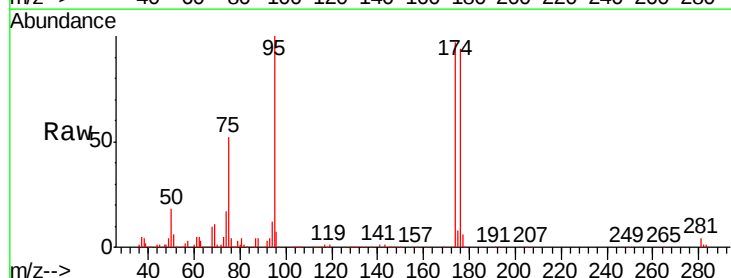


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

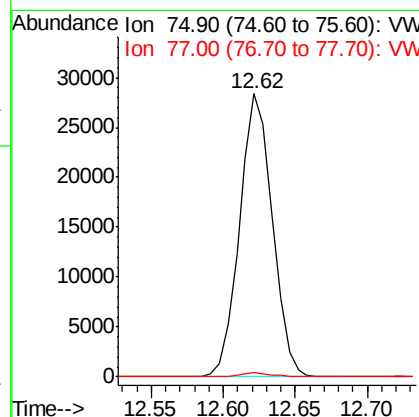
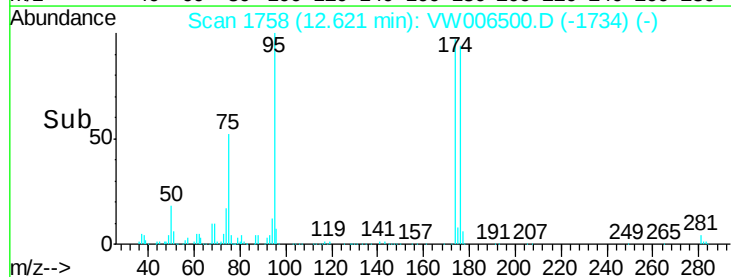


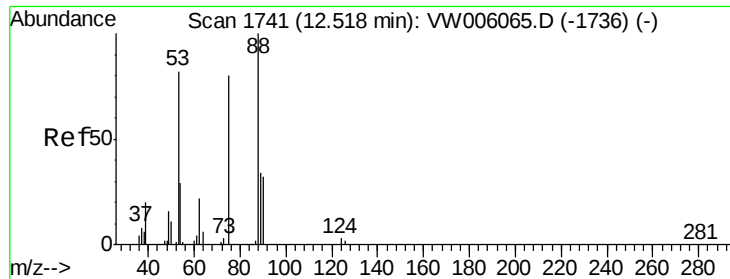
#76
 1,2,3-Trichloropropane
 Concen: 77.17 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.15 min
 Lab File: VW006500.D
 Acq: 30 Oct 2018 14:34

Tgt Ion: 75 Resp: 44872
 Ion Ratio Lower Upper
 75 100
 77 1.5 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: 184.46 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW006500.D

Acq: 30 Oct 2018 14:34

Instrument :

MSVOA_W

ClientSampleId :

SB-12RE

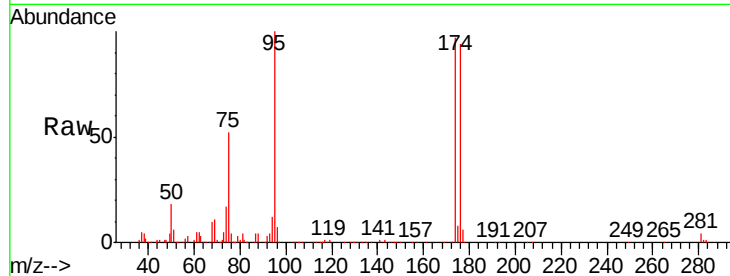
Tgt Ion: 75 Resp: 44872

Ion Ratio Lower Upper

75 100

53 0.1 79.8 119.6#

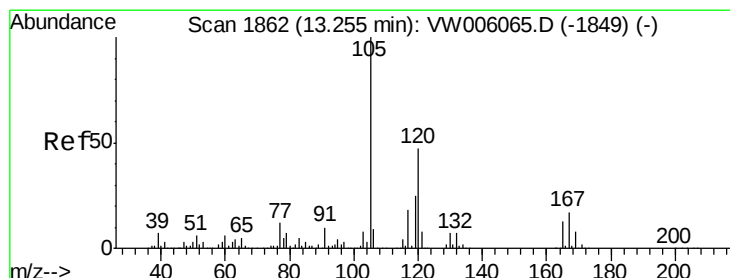
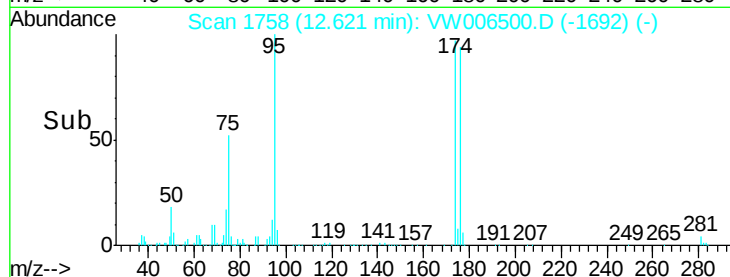
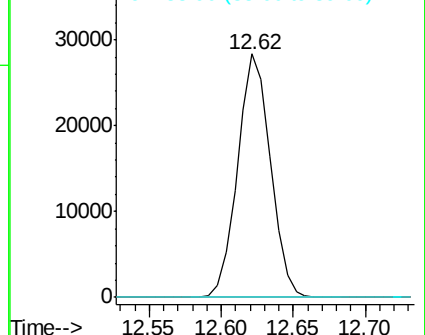
89 0.0 37.5 56.3#



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



#84

1,2,4-Trimethylbenzene

Concen: 2.94 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. 0.00 min

Lab File: VW006500.D

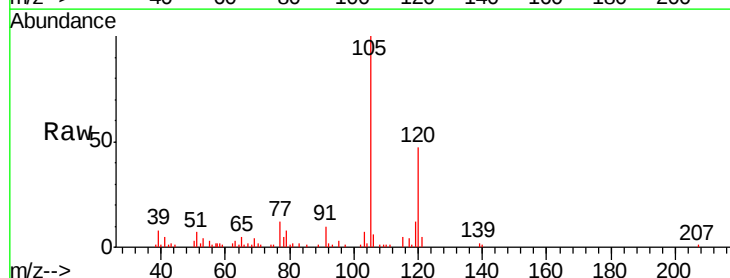
Acq: 30 Oct 2018 14:34

Tgt Ion: 105 Resp: 13490

Ion Ratio Lower Upper

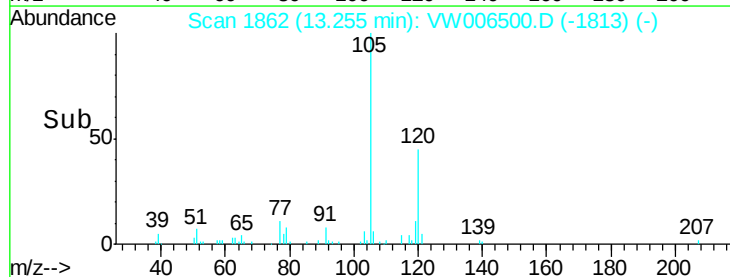
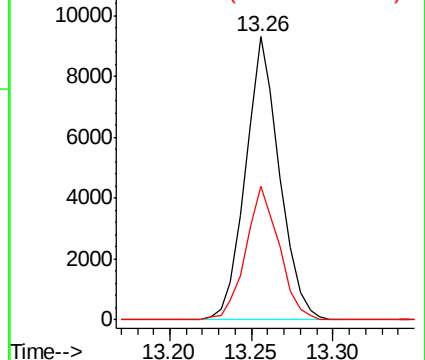
105 100

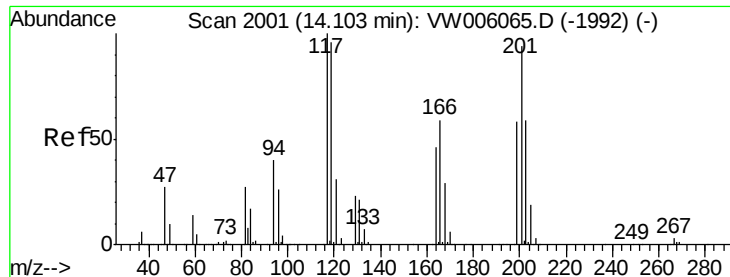
120 46.5 23.1 69.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#90

Hexachloroethane

Concen: 1.89 ug/l

RT: 14.10 min Scan# 2001

Delta R.T. 0.00 min

Lab File: VW006500.D

Acq: 30 Oct 2018 14:34

Instrument :

MSVOA_W

ClientSampled :

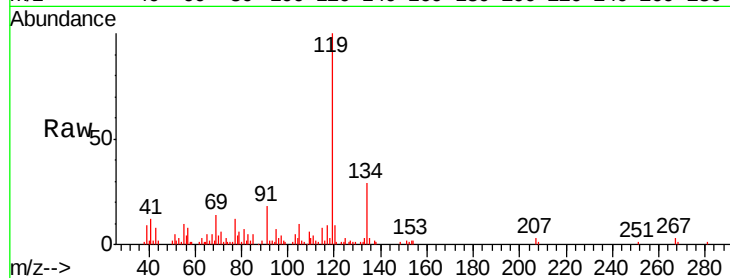
SB-12RE

Tgt Ion:117 Resp: 1663

Ion Ratio Lower Upper

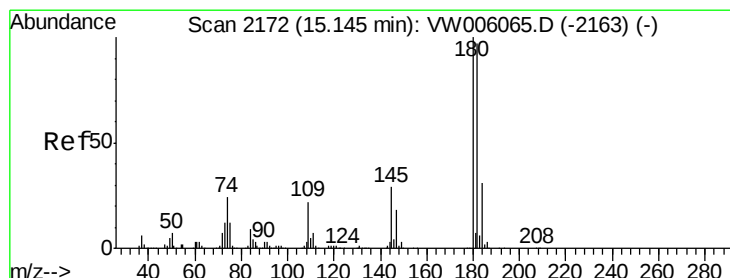
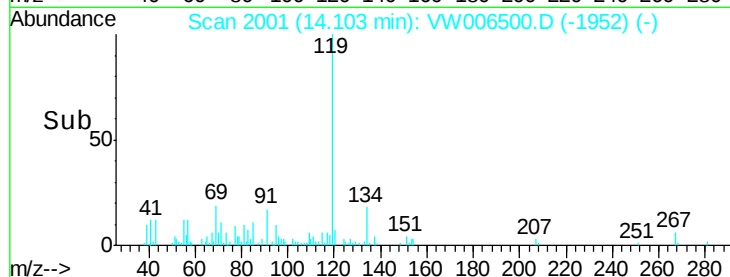
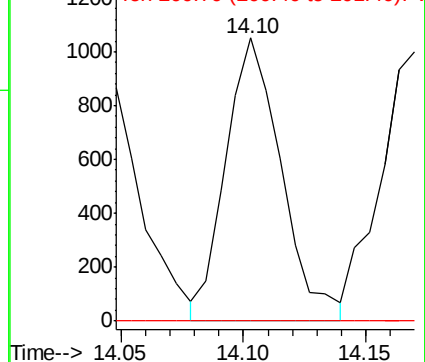
117 100

201 0.0 45.3 135.9#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#93

1,2,4-Trichlorobenzene

Concen: 1.53 ug/l

RT: 15.14 min Scan# 2171

Delta R.T. -0.01 min

Lab File: VW006500.D

Acq: 30 Oct 2018 14:34

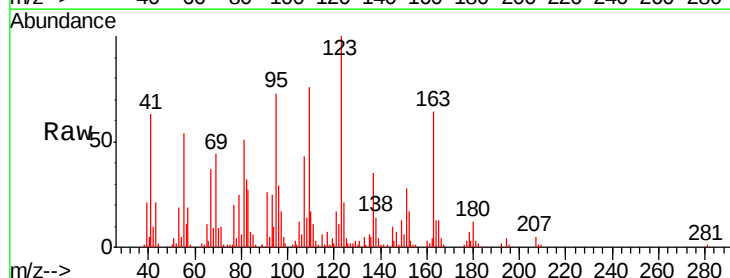
Tgt Ion:180 Resp: 2755

Ion Ratio Lower Upper

180 100

182 24.5 47.9 143.6#

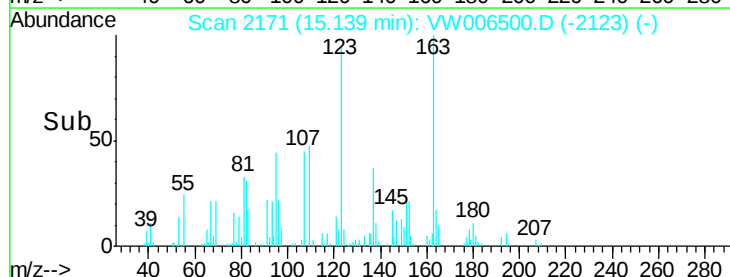
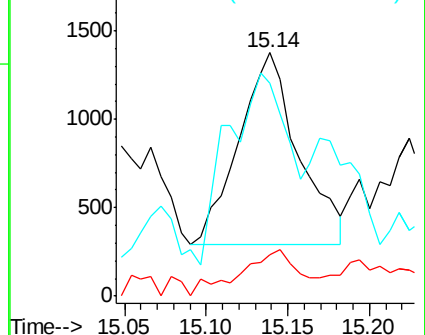
145 102.2 14.2 42.8#

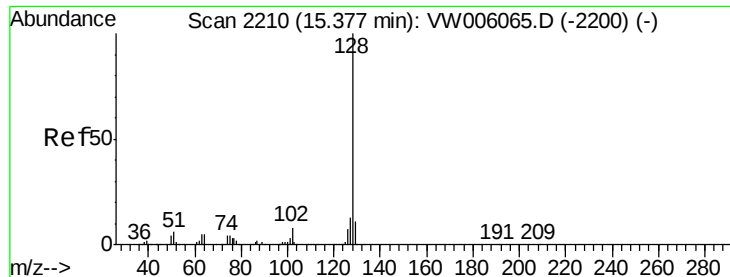


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#95

Naphthalene

Concen: 2.48 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. 0.00 min

Lab File: VW006500.D

Acq: 30 Oct 2018 14:34

Instrument :

MSVOA_W

ClientSampleId :

SB-12RE

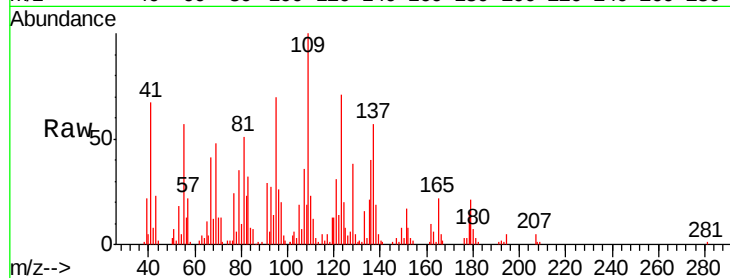
Tgt Ion:128 Resp: 7430

Ion Ratio Lower Upper

128 100

127 13.5 10.3 15.5

129 7.3 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

