

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW103118\
 Data File : VW006499.D
 Acq On : 30 Oct 2018 14:09
 Operator : SY/AP
 Sample : J5691-09
 Misc : 6.04G/5ML/MSVOA_W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-5

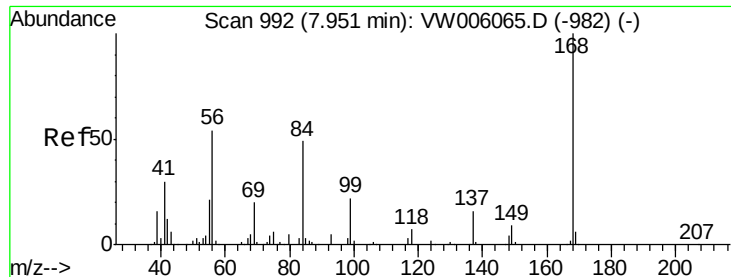
Quant Time: Oct 30 15:42:43 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 18 17:01:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	235106	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	341074	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	288631	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	114831	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	117187	60.12	ug/l	0.00
Spiked Amount			Recovery	=	120.24%	
35) Dibromofluoromethane	7.88	113	117509	58.31	ug/l	0.00
Spiked Amount			Recovery	=	116.62%	
50) Toluene-d8	10.33	98	420206	54.80	ug/l	0.00
Spiked Amount			Recovery	=	109.60%	
62) 4-Bromofluorobenzene	12.62	95	123422	42.86	ug/l	0.00
Spiked Amount			Recovery	=	85.72%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	2003	1.89	ug/l	90
16) Acetone	4.15	43	3765	Below Cal		94
20) Methylene Chloride	4.92	84	12713	4.69	ug/l	98
31) Cyclohexane	7.95	56	4224	1.18	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	14440	4.59	ug/l #	47
38) Carbon Tetrachloride	7.95	117	20903	6.07	ug/l #	17
51) 4-Methyl-2-Pentanone	10.32	43	1687	1.41	ug/l #	1
52) Toluene	10.39	92	15127	2.62	ug/l	97
60) Dibromochloromethane	10.87	129	5647	2.75	ug/l #	11
64) Tetrachloroethene	10.87	164	7511	3.35	ug/l	94
76) 1,2,3-Trichloropropane	12.62	75	61546	70.17	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	61546	167.74	ug/l #	10

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW006499.D

Acq: 30 Oct 2018 14:09

Instrument :

MSVOA_W

ClientSampleId :

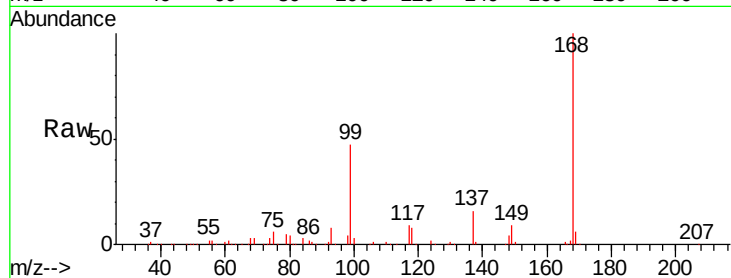
SB-5

Tgt Ion:168 Resp: 235106

Ion Ratio Lower Upper

168 100

99 47.5 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

120000

100000

80000

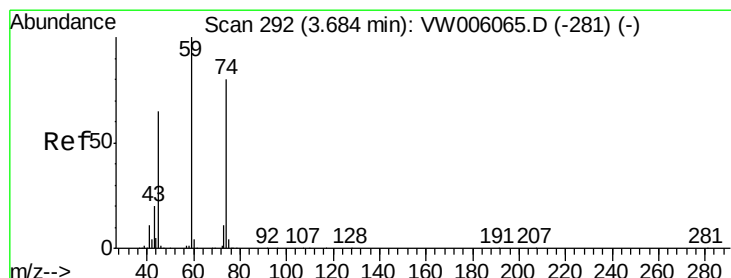
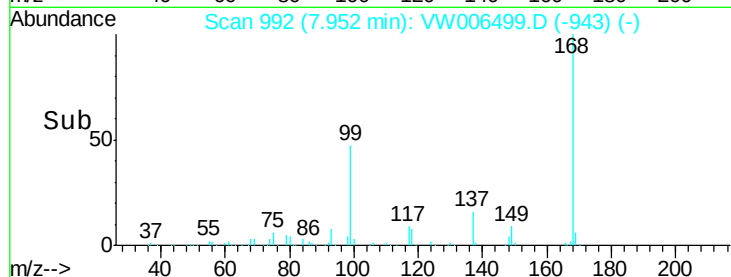
60000

40000

20000

0

Time-->



#8

Diethyl Ether

Concen: 1.89 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.01 min

Lab File: VW006499.D

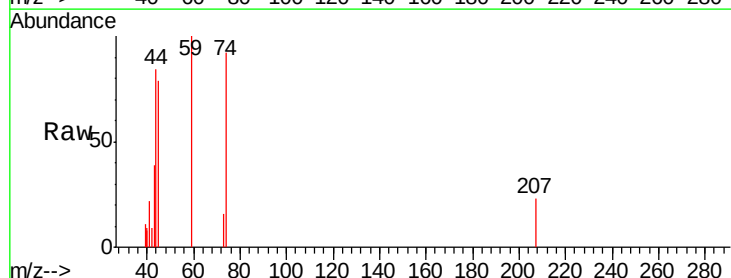
Acq: 30 Oct 2018 14:09

Tgt Ion: 74 Resp: 2003

Ion Ratio Lower Upper

74 100

45 94.4 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

800

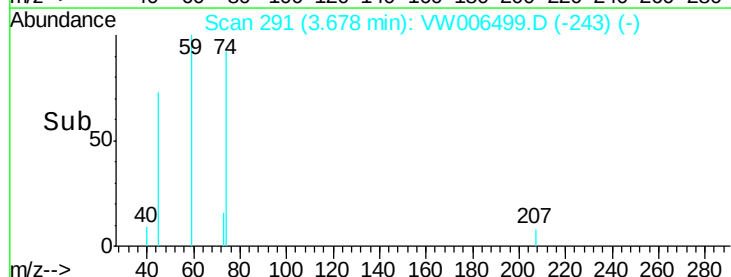
600

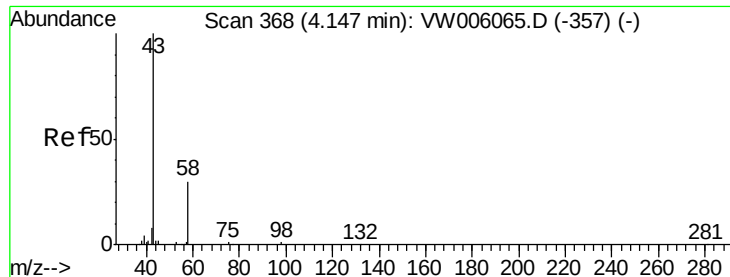
400

200

0

Time-->





#16

Acetone

Concen: Below Cal

RT: 4.15 min Scan# 368

Delta R.T. 0.00 min

Lab File: VW006499.D

Acq: 30 Oct 2018 14:09

Instrument :

MSVOA_W

ClientSampled :

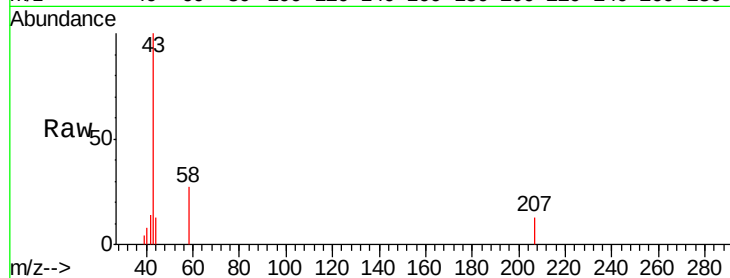
SB-5

Tgt Ion: 43 Resp: 3765

Ion Ratio Lower Upper

43 100

58 26.7 24.0 36.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.15

1500

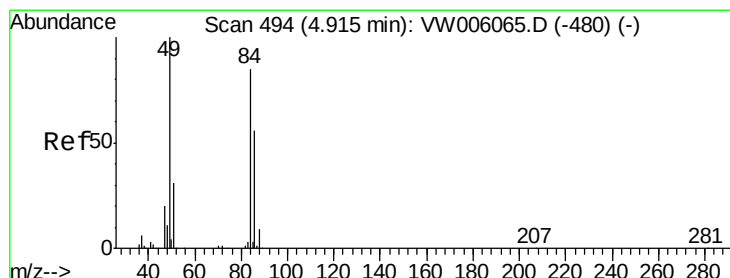
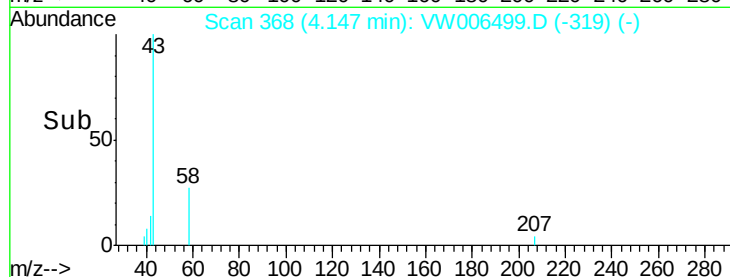
1000

500

0

Time-->

4.05 4.10 4.15 4.20 4.25



#20

Methylene Chloride

Concen: 4.69 ug/l

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW006499.D

Acq: 30 Oct 2018 14:09

Tgt Ion: 84 Resp: 12713

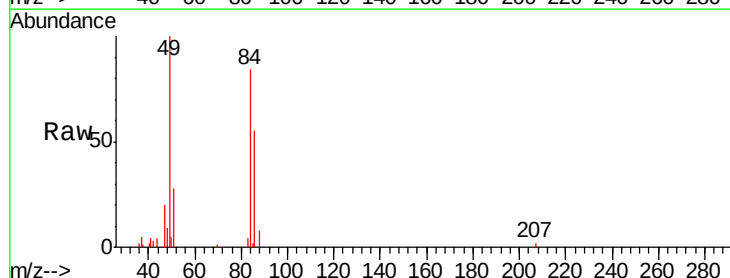
Ion Ratio Lower Upper

84 100

49 119.1 93.6 140.4

51 32.9 29.0 43.4

86 65.4 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

6000

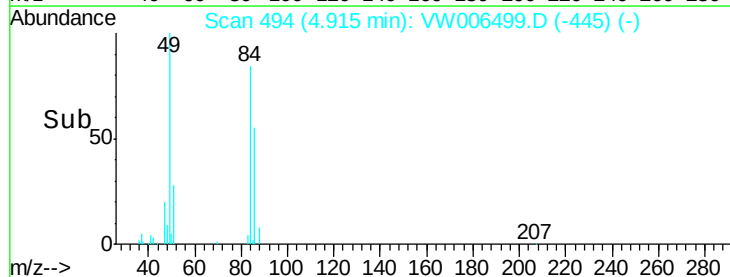
4000

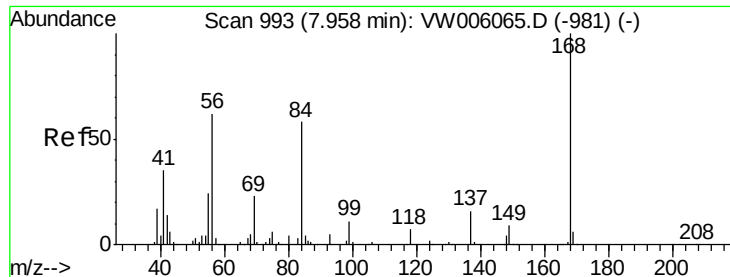
2000

0

Time-->

4.80 4.90 5.00

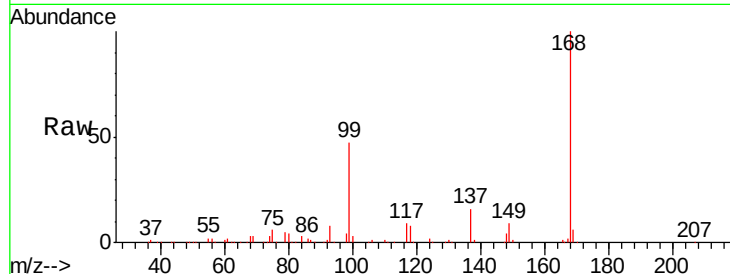




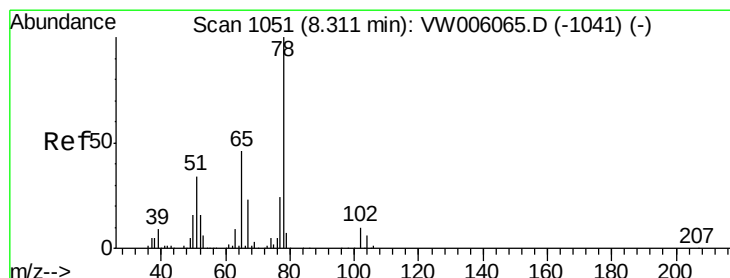
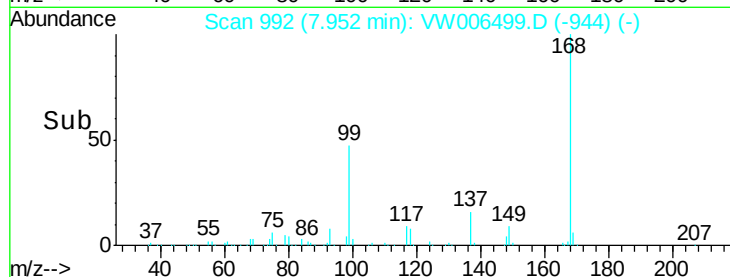
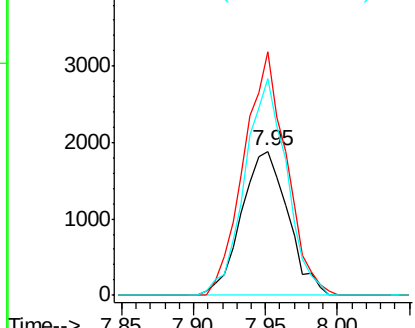
#31
Cyclohexane
Concen: 1.18 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW006499.D
Acq: 30 Oct 2018 14:09

Instrument :
MSVOA_W
ClientSampled :
SB-5

Tgt Ion: 56 Resp: 4224
Ion Ratio Lower Upper
56 100
69 169.1 29.4 44.0#
84 150.3 74.0 111.0#

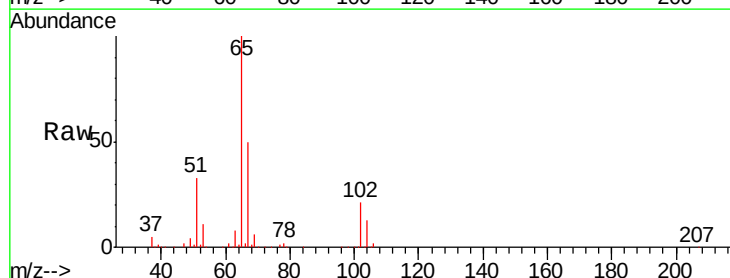


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

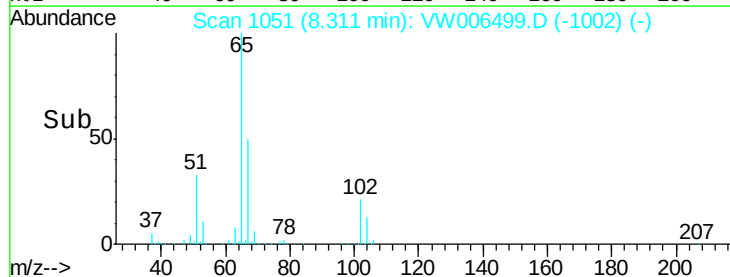
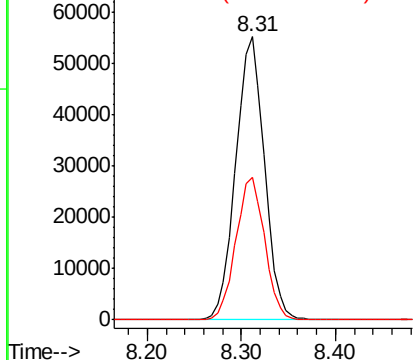


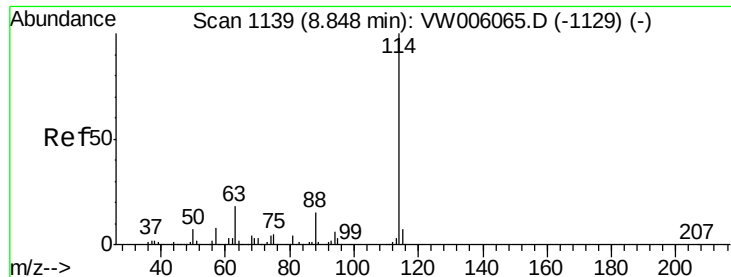
#33
1,2-Dichloroethane-d4
Concen: 60.12 ug/l
RT: 8.31 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VW006499.D
Acq: 30 Oct 2018 14:09

Tgt Ion: 65 Resp: 117187
Ion Ratio Lower Upper
65 100
67 50.5 0.0 101.0



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





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.85 min Scan# 1139

Delta R.T. 0.00 min

Lab File: VW006499.D

Acq: 30 Oct 2018 14:09

Instrument :

MSVOA_W

ClientSampleId :

SB-5

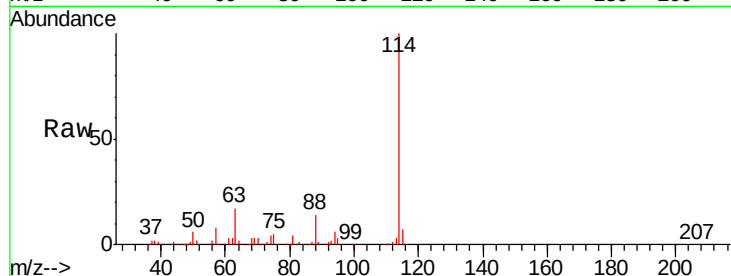
Tgt Ion:114 Resp: 341074

Ion Ratio Lower Upper

114 100

63 16.9 0.0 36.8

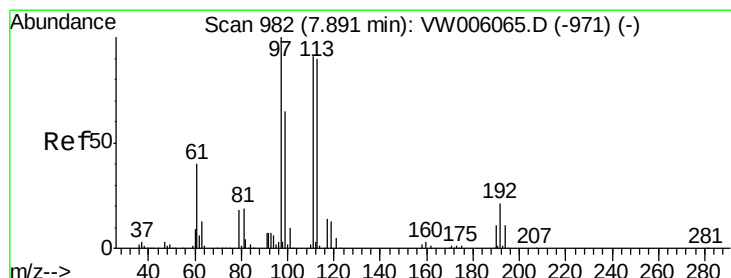
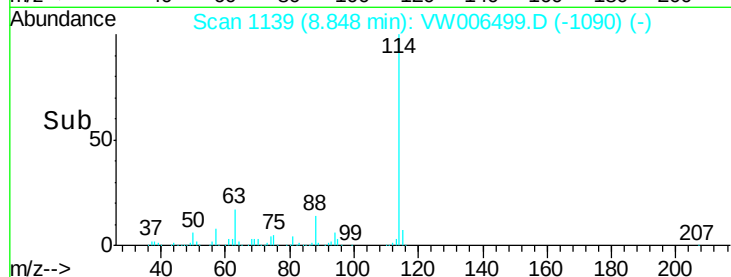
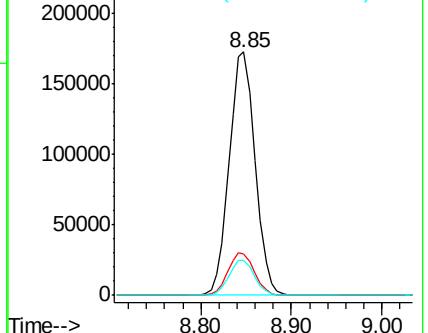
88 14.4 0.0 29.0



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: 58.31 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.01 min

Lab File: VW006499.D

Acq: 30 Oct 2018 14:09

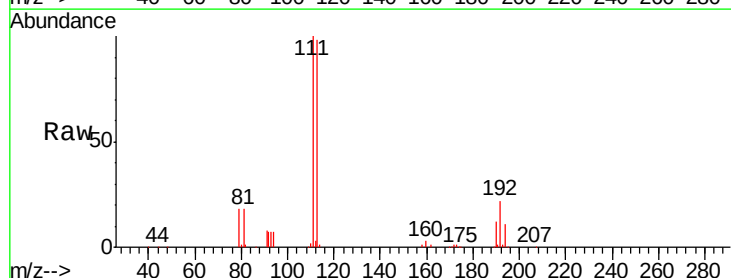
Tgt Ion:113 Resp: 117509

Ion Ratio Lower Upper

113 100

111 102.3 81.4 122.0

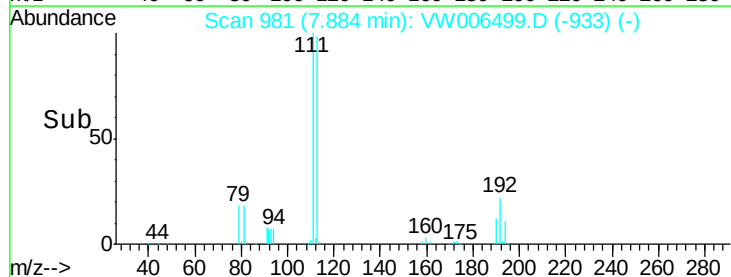
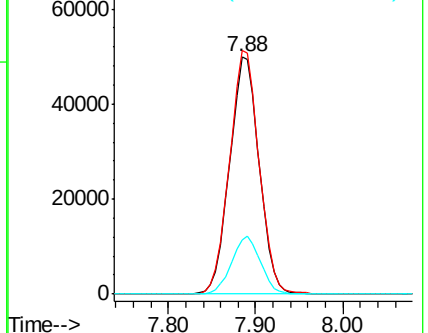
192 23.7 18.7 28.1

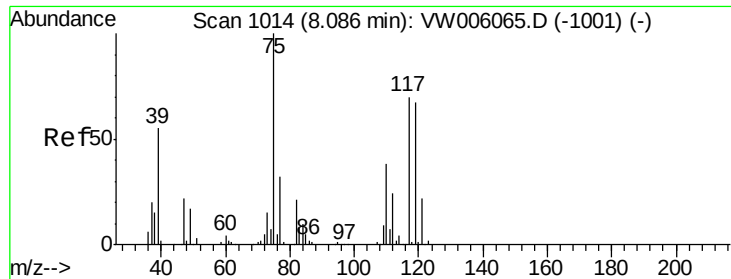


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

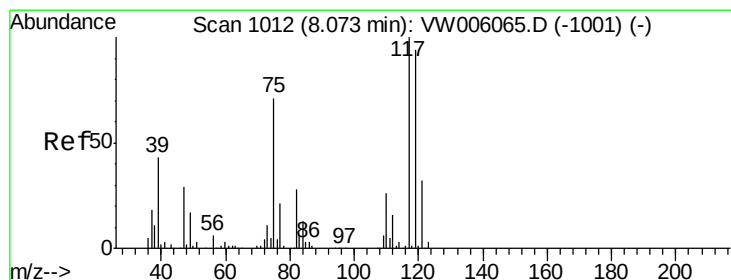
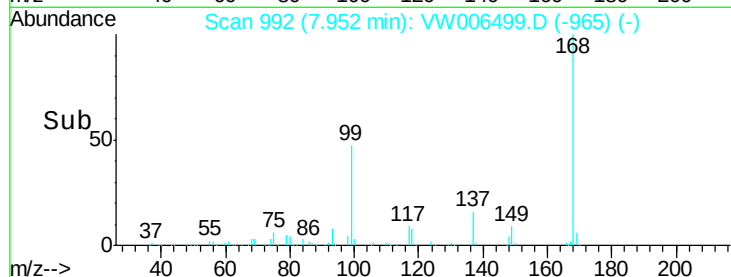
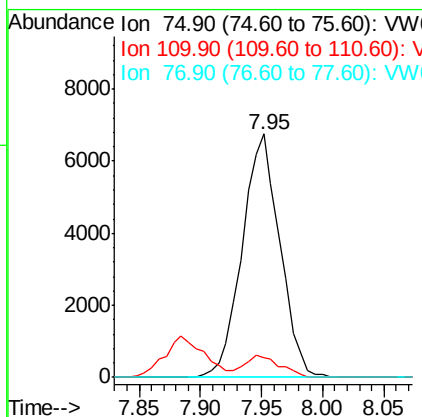
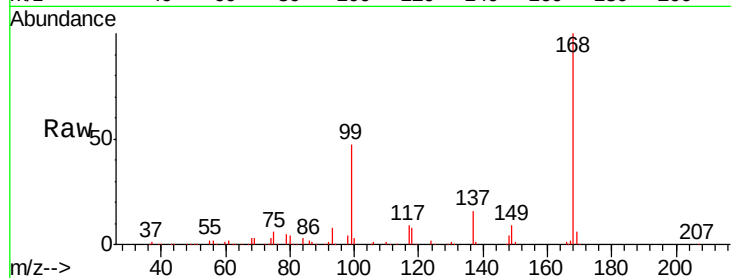




#36
 1,1-Dichloropropene
 Concen: 4.59 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW006499.D
 Acq: 30 Oct 2018 14:09

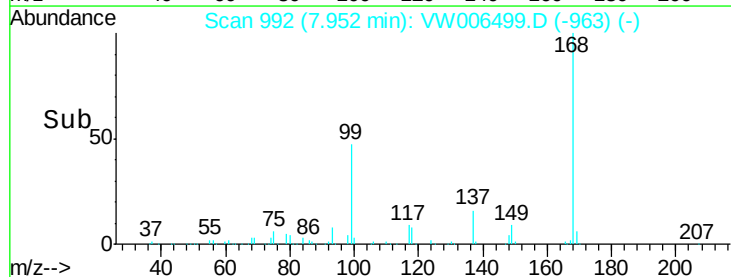
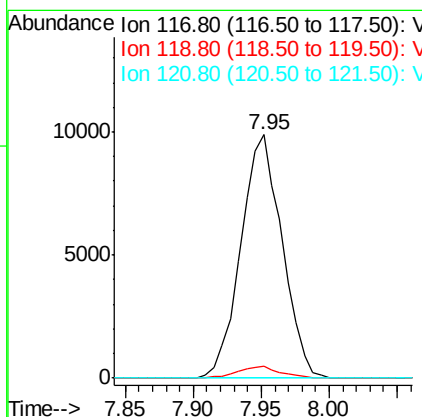
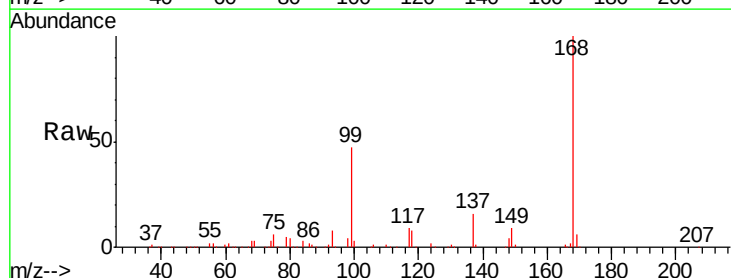
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-5

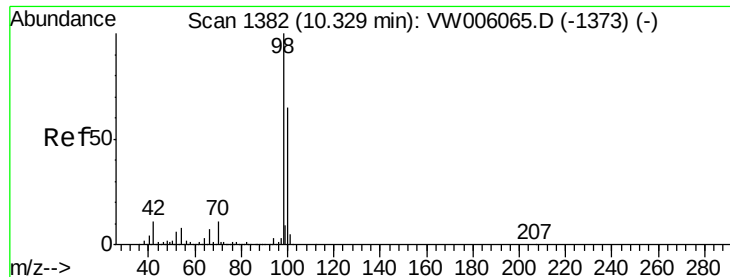
Tgt Ion: 75 Resp: 14440
 Ion Ratio Lower Upper
 75 100
 110 8.4 19.1 57.1#
 77 0.0 25.0 37.4#



#38
 Carbon Tetrachloride
 Concen: 6.07 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.12 min
 Lab File: VW006499.D
 Acq: 30 Oct 2018 14:09

Tgt Ion: 117 Resp: 20903
 Ion Ratio Lower Upper
 117 100
 119 5.1 75.2 112.8#
 121 0.0 25.3 37.9#





#50

Toluene-d8

Concen: 54.80 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VW006499.D

Acq: 30 Oct 2018 14:09

Instrument :

MSVOA_W

ClientSampled :

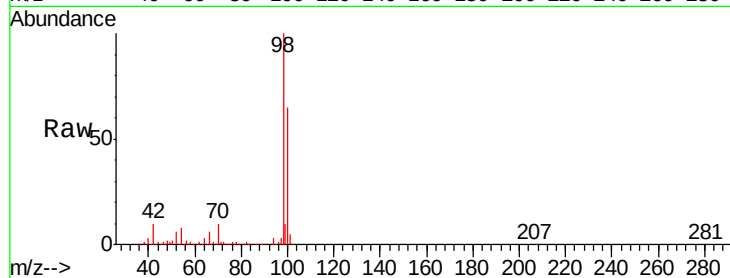
SB-5

Tgt Ion: 98 Resp: 420206

Ion Ratio Lower Upper

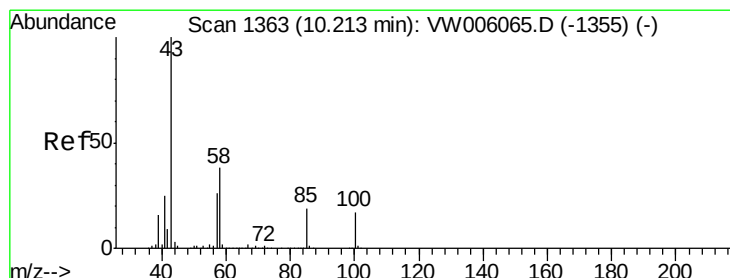
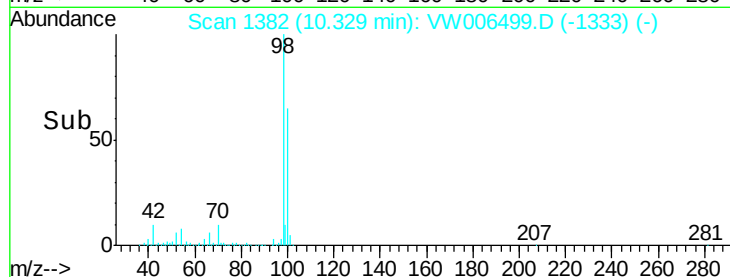
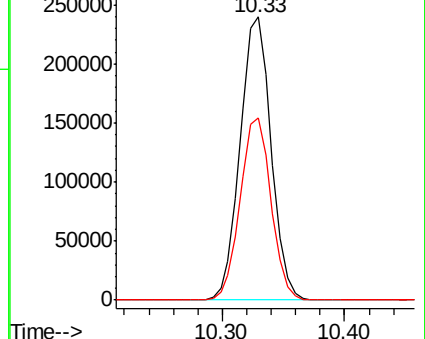
98 100

100 64.4 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#51

4-Methyl-2-Pentanone

Concen: 1.41 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.11 min

Lab File: VW006499.D

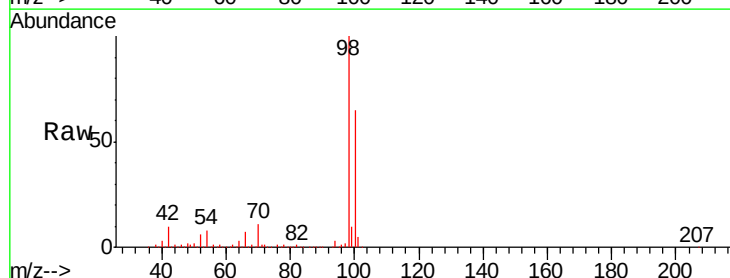
Acq: 30 Oct 2018 14:09

Tgt Ion: 43 Resp: 1687

Ion Ratio Lower Upper

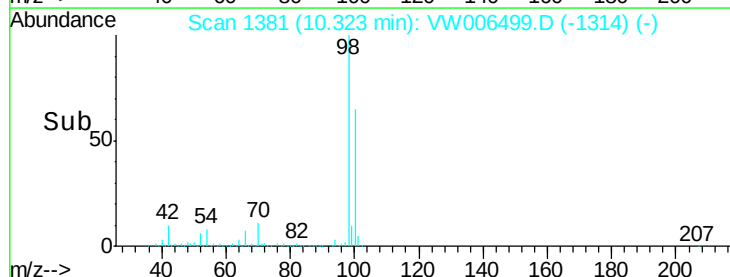
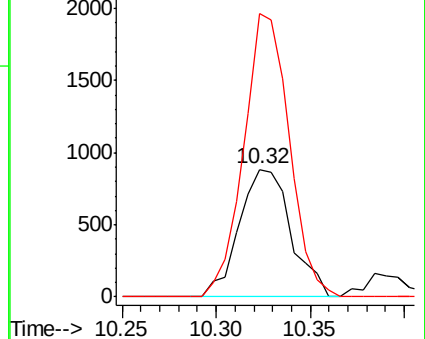
43 100

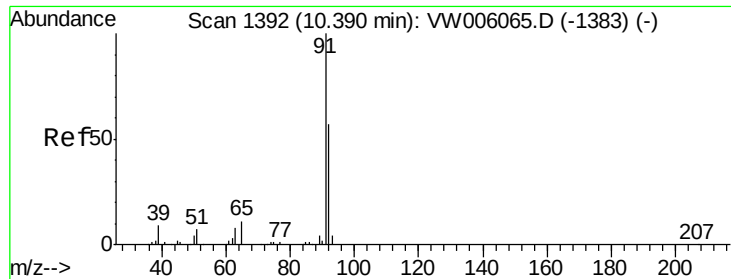
58 195.0 31.5 47.3#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#52

Toluene

Concen: 2.62 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW006499.D

Acq: 30 Oct 2018 14:09

Instrument :

MSVOA_W

ClientSampled :

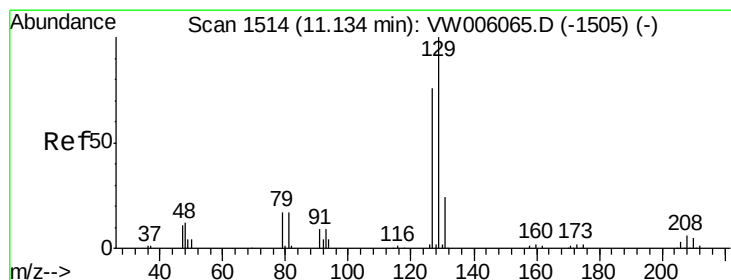
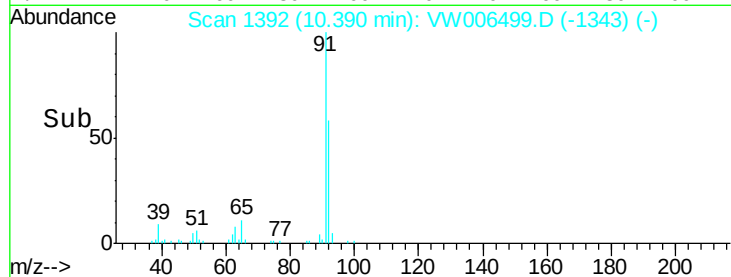
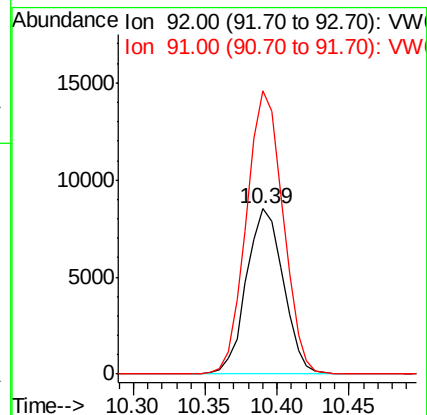
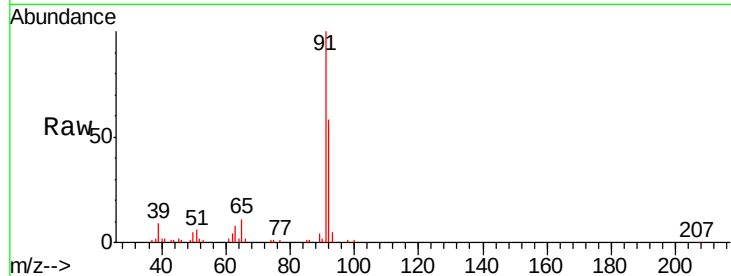
SB-5

Tgt Ion: 92 Resp: 15127

Ion Ratio Lower Upper

92 100

91 170.2 140.0 210.0



#60

Dibromochloromethane

Concen: 2.75 ug/l

RT: 10.87 min Scan# 1470

Delta R.T. -0.27 min

Lab File: VW006499.D

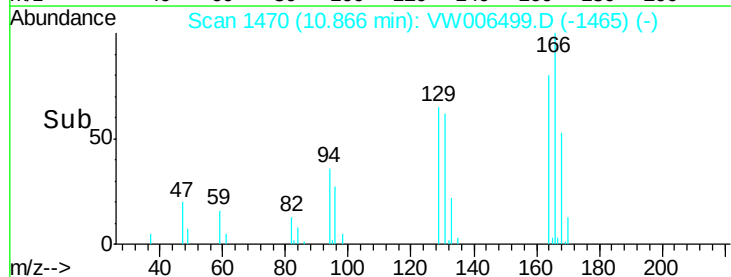
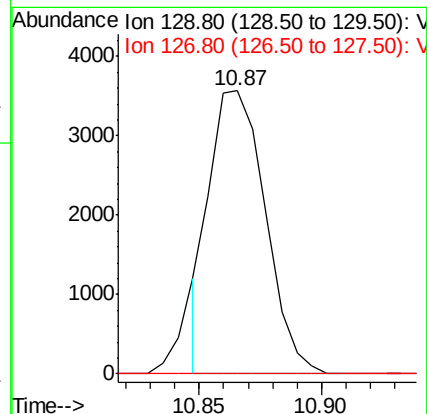
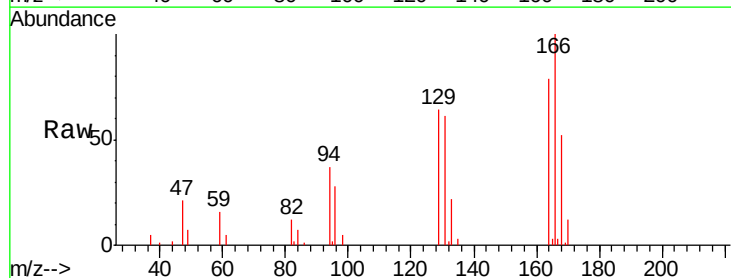
Acq: 30 Oct 2018 14:09

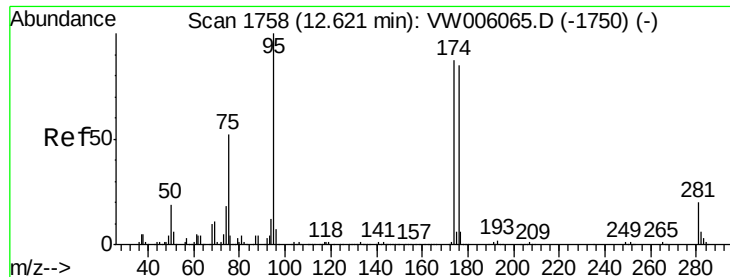
Tgt Ion: 129 Resp: 5647

Ion Ratio Lower Upper

129 100

127 0.0 38.6 115.7#

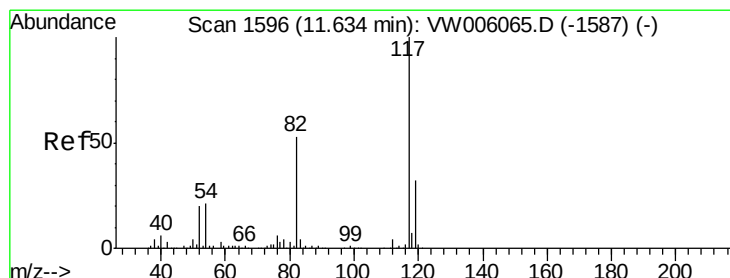
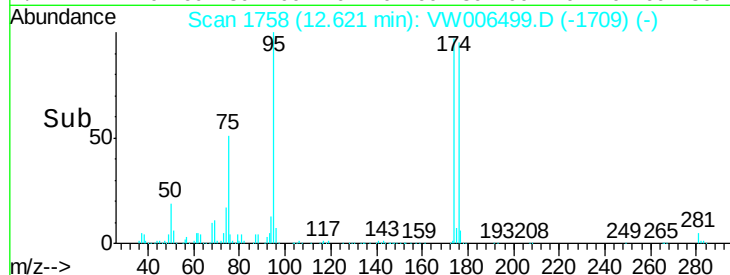
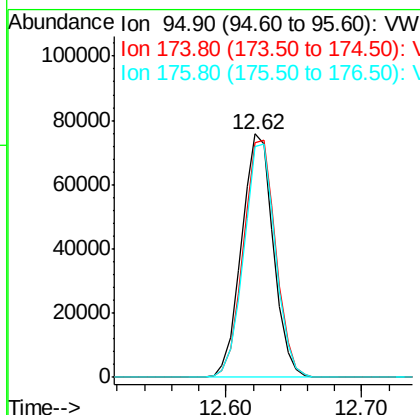
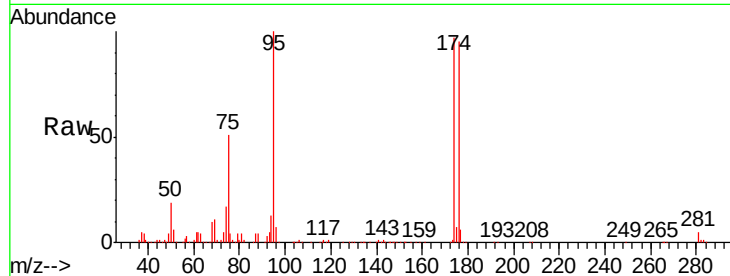




#62
 4-Bromofluorobenzene
 Concen: 42.86 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW006499.D
 Acq: 30 Oct 2018 14:09

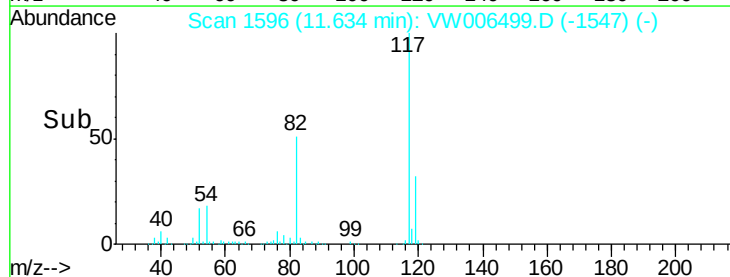
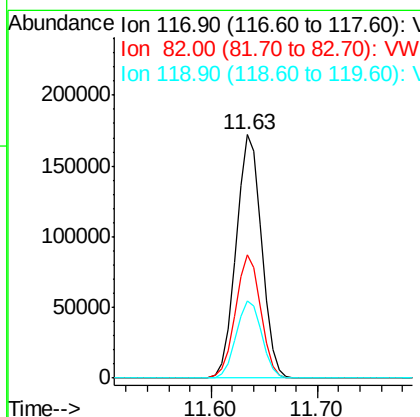
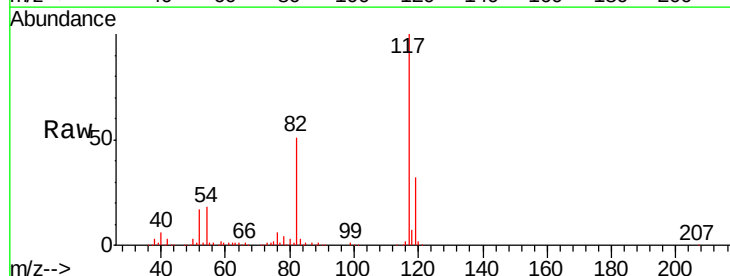
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-5

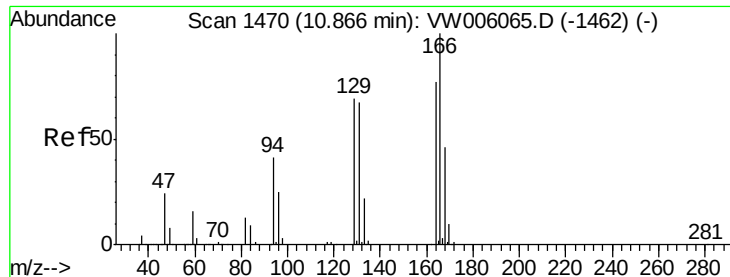
Tgt Ion: 95 Resp: 123422
 Ion Ratio Lower Upper
 95 100
 174 99.0 0.0 186.0
 176 95.7 0.0 181.6



#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 11.63 min Scan# 1596
 Delta R.T. 0.00 min
 Lab File: VW006499.D
 Acq: 30 Oct 2018 14:09

Tgt Ion: 117 Resp: 288631
 Ion Ratio Lower Upper
 117 100
 82 50.8 42.1 63.1
 119 32.0 25.8 38.6





#64

Tetrachloroethene

Concen: 3.35 ug/l

RT: 10.87 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VW006499.D

Acq: 30 Oct 2018 14:09

Instrument :

MSVOA_W

ClientSampled :

SB-5

Tgt Ion:164 Resp: 7511

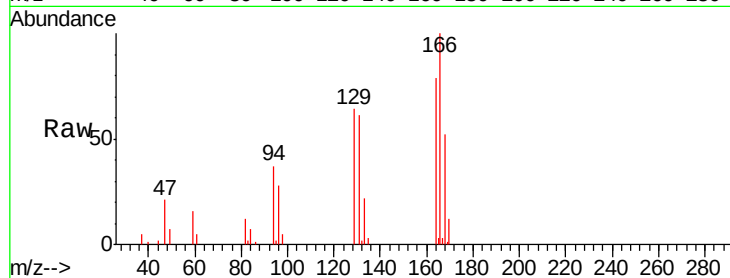
Ion Ratio Lower Upper

164 100

166 126.4 103.4 155.0

129 81.4 71.8 107.8

131 77.7 69.5 104.3

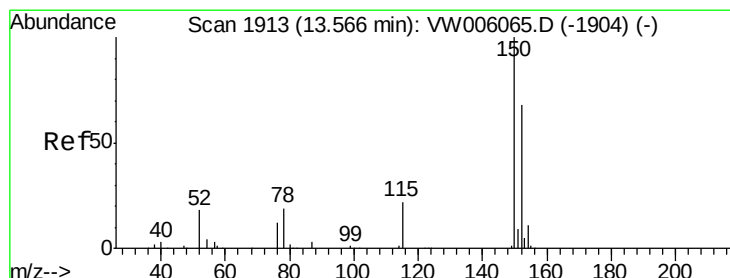
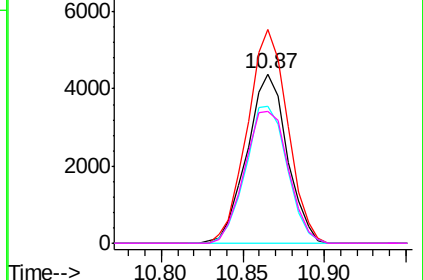
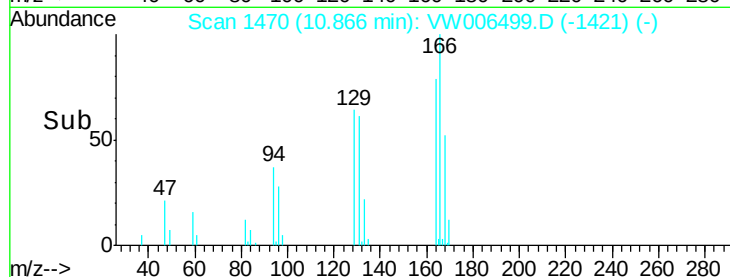


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. 0.00 min

Lab File: VW006499.D

Acq: 30 Oct 2018 14:09

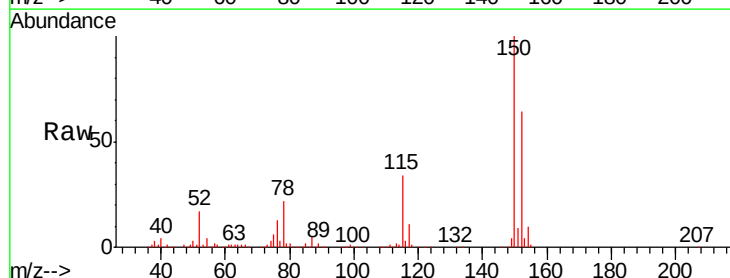
Tgt Ion:152 Resp: 114831

Ion Ratio Lower Upper

152 100

115 53.8 27.8 83.3

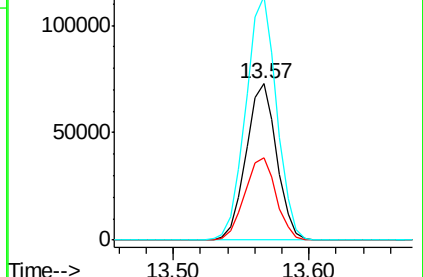
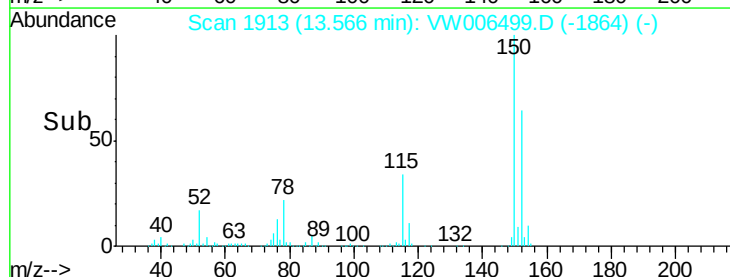
150 157.1 0.0 349.2

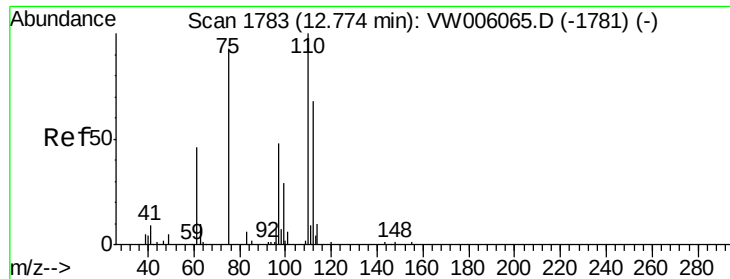


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 70.17 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW006499.D

Acq: 30 Oct 2018 14:09

Instrument :

MSVOA_W

ClientSampled :

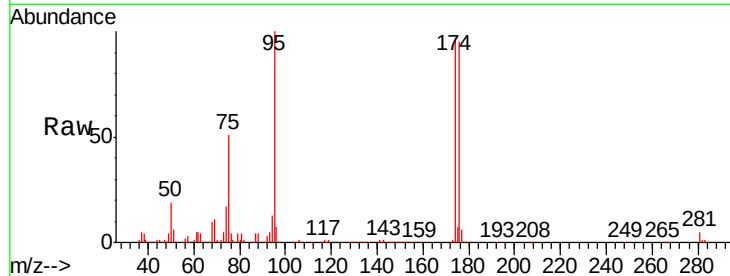
SB-5

Tgt Ion: 75 Resp: 61546

Ion Ratio Lower Upper

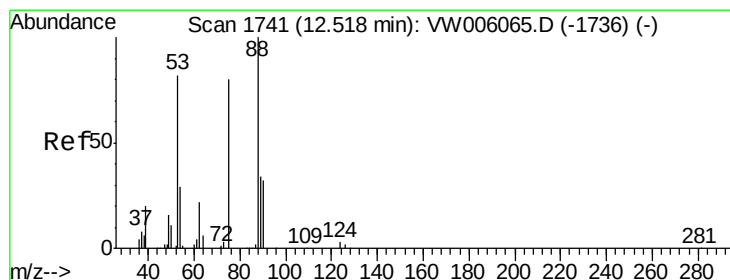
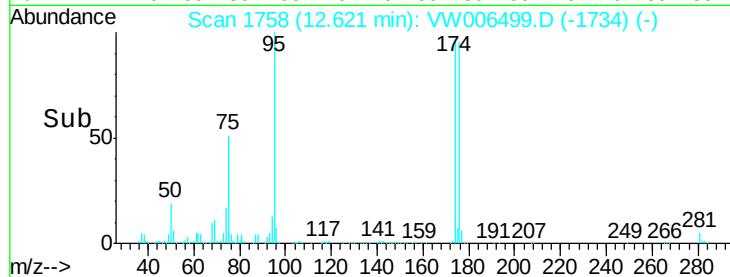
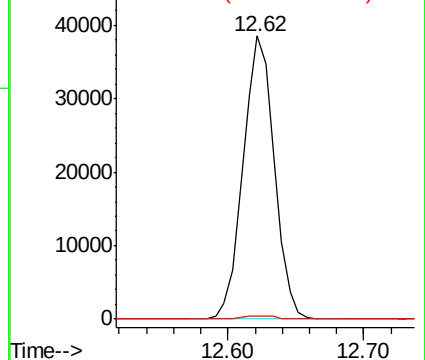
75 100

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: 167.74 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW006499.D

Acq: 30 Oct 2018 14:09

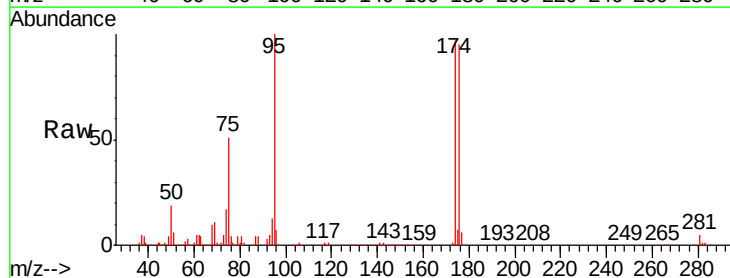
Tgt Ion: 75 Resp: 61546

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

