

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW122118\
 Data File : VW007714.D
 Acq On : 19 Dec 2018 21:45
 Operator : SY/AP
 Sample : J6392-05
 Misc : 6.05G/5ML/MSVOA_W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 KY001SB103-121118-(7-9)

Quant Time: Dec 20 06:51:27 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W122118S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 06:30:23 2018
 Response via : Initial Calibration

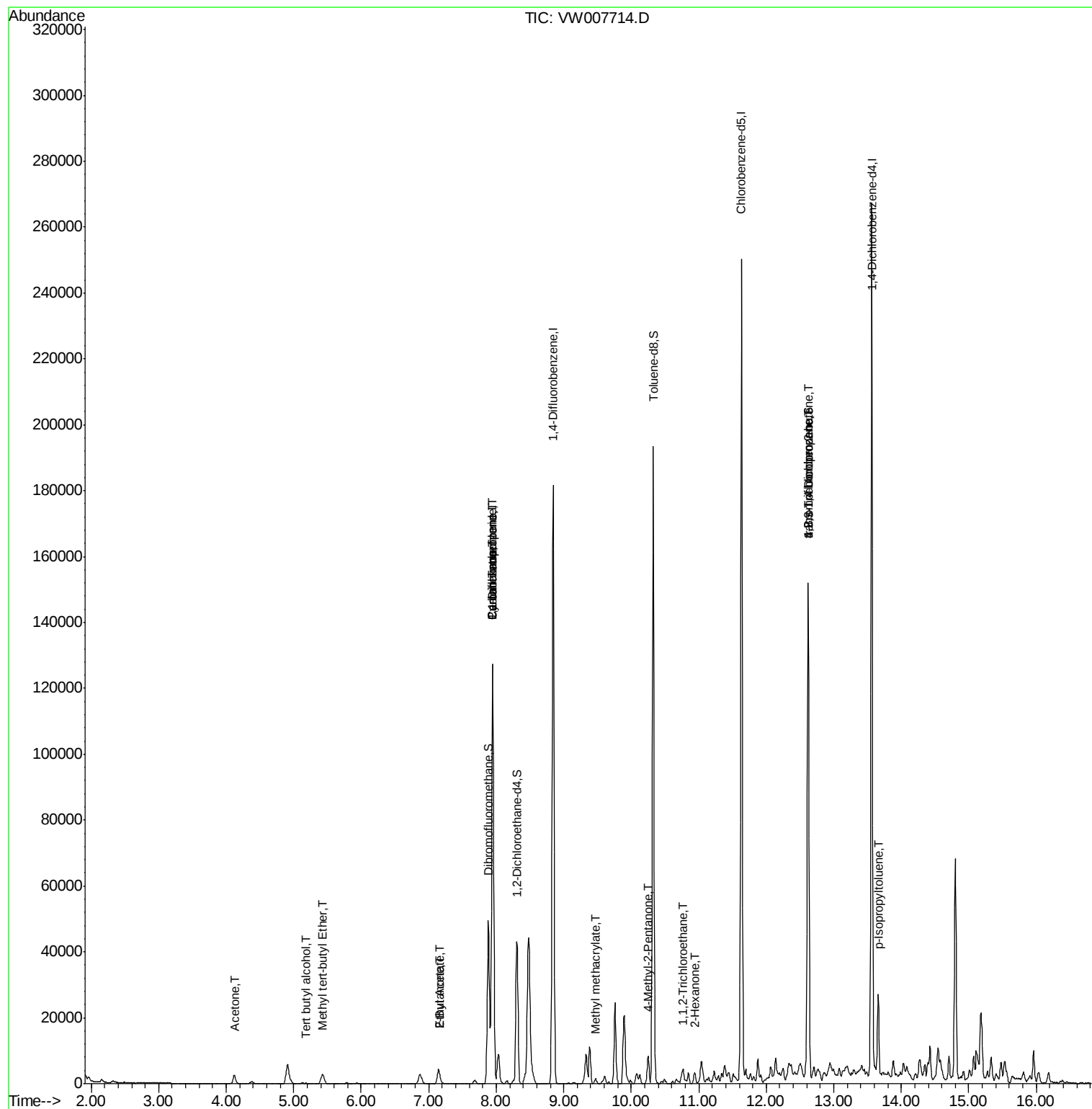
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	92997	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	156360	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	139259	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	69259	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	37667	36.95	ug/l	0.00
Spiked Amount 50.000			Recovery	=	73.90%	
35) Dibromofluoromethane	7.88	113	35003	36.70	ug/l	0.00
Spiked Amount 50.000			Recovery	=	73.40%	
50) Toluene-d8	10.32	98	127494	35.45	ug/l	0.00
Spiked Amount 50.000			Recovery	=	70.90%	
62) 4-Bromofluorobenzene	12.62	95	50285	36.20	ug/l	0.00
Spiked Amount 50.000			Recovery	=	72.40%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.17	59	199	2.894	ug/l #	73
16) Acetone	4.12	43	4717	24.713	ug/l	97
19) Methyl tert-butyl Ether	5.42	73	3457	2.624	ug/l #	50
20) Methylene Chloride	4.92	84	4827	Below Cal		92
25) 2-Butanone	7.17	43	581	2.599	ug/l #	82
31) Cyclohexane	7.95	56	1924	1.268	ug/l #	20
36) 1,1-Dichloropropene	7.95	75	7277	4.822	ug/l #	48
37) Ethyl Acetate	7.17	43	581	1.116	ug/l #	79
38) Carbon Tetrachloride	7.95	117	10052	5.656	ug/l #	13
48) Methyl methacrylate	9.47	41	530	1.018	ug/l #	23
51) 4-Methyl-2-Pentanone	10.25	43	975	1.977	ug/l #	76
55) 1,1,2-Trichloroethane	10.76	97	972	1.282	ug/l #	29
59) 2-Hexanone	10.94	43	1295	3.734	ug/l #	24
76) 1,2,3-Trichloropropane	12.62	75	25661	47.937	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	25661	100.623	ug/l #	9
86) p-Isopropyltoluene	13.66	119	13727	2.765	ug/l	95

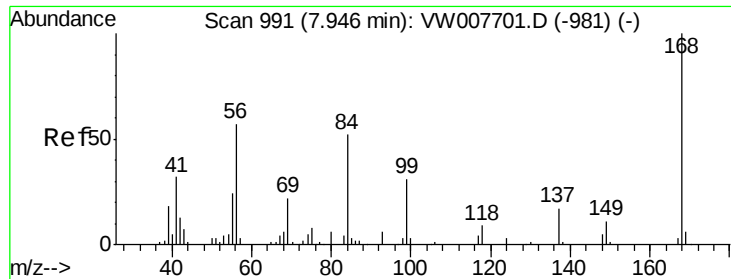
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Dec 20 06:30:23 2018
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW007714.D

Acq: 19 Dec 2018 21:45

Instrument :

MSVOA_W

ClientSampleId :

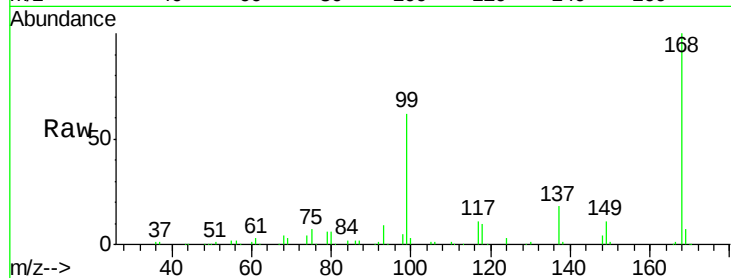
KY001SB103-121118-(7-9)

Tgt Ion: 168 Resp: 92997

Ion Ratio Lower Upper

168 100

99 61.8 54.0 81.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

40000

30000

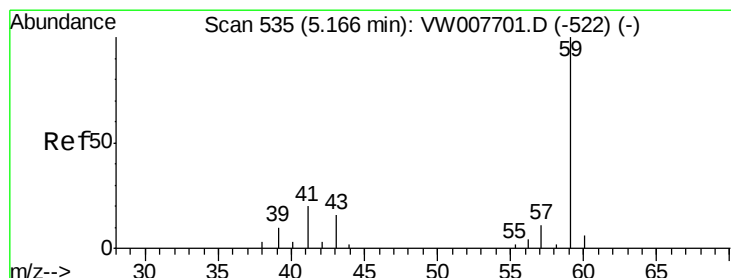
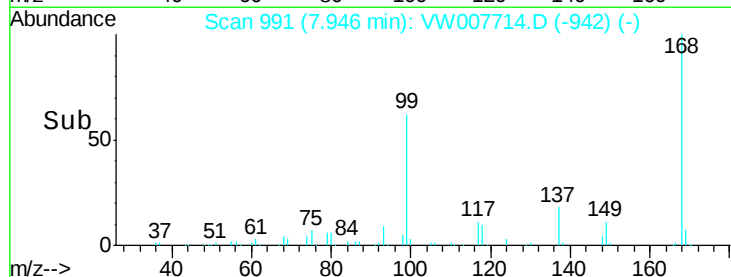
20000

10000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#11

Tert butyl alcohol

Concen: 2.894 ug/l

RT: 5.17 min Scan# 536

Delta R.T. 0.01 min

Lab File: VW007714.D

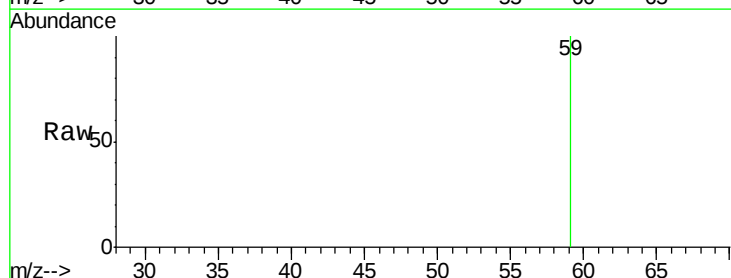
Acq: 19 Dec 2018 21:45

Tgt Ion: 59 Resp: 199

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

150

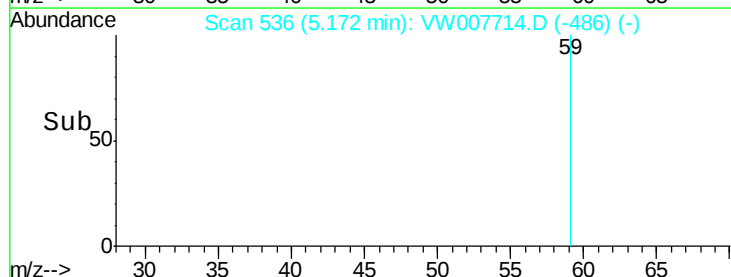
100

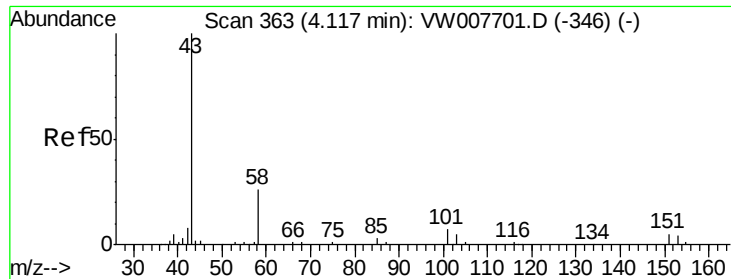
50

0

5.16 5.18 5.20 5.22

Time-->





#16

Acetone

Concen: 24.713 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW007714.D

Acq: 19 Dec 2018 21:45

Instrument :

MSVOA_W

ClientSampleId :

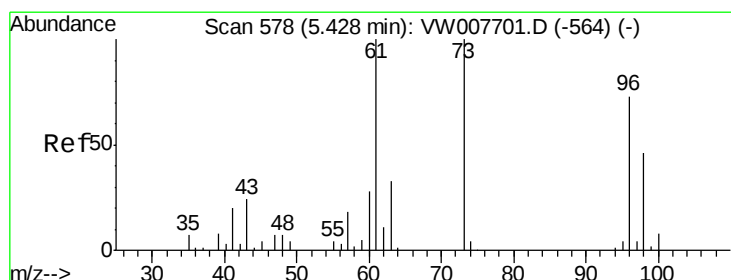
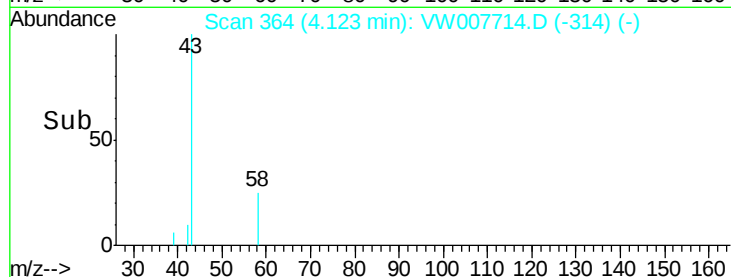
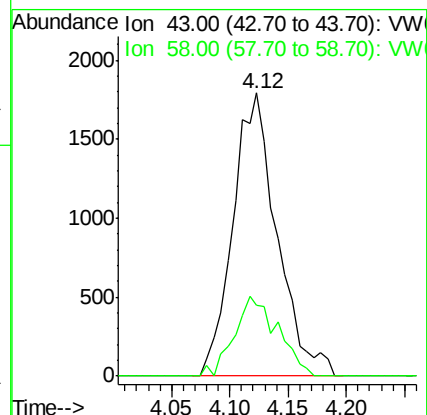
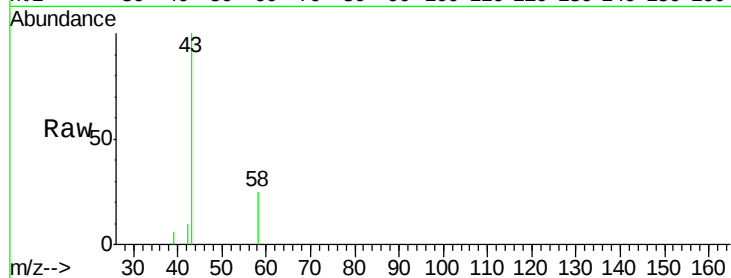
KY001SB103-121118-(7-9)

Tgt Ion: 43 Resp: 4717

Ion Ratio Lower Upper

43 100

58 25.0 21.2 31.8



#19

Methyl tert-butyl Ether

Concen: 2.624 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.01 min

Lab File: VW007714.D

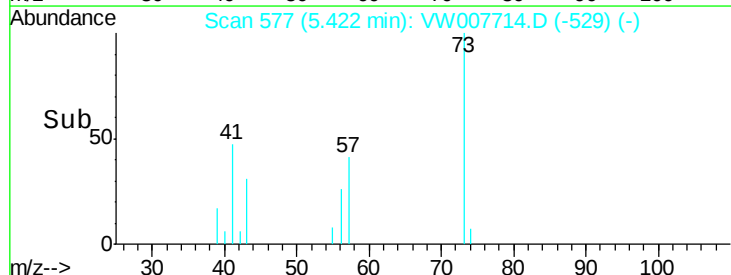
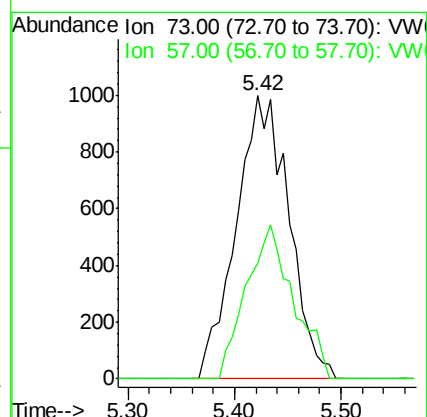
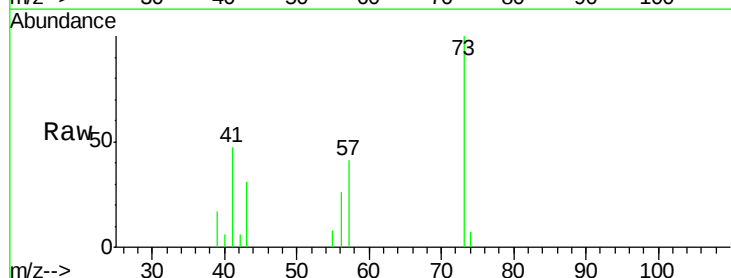
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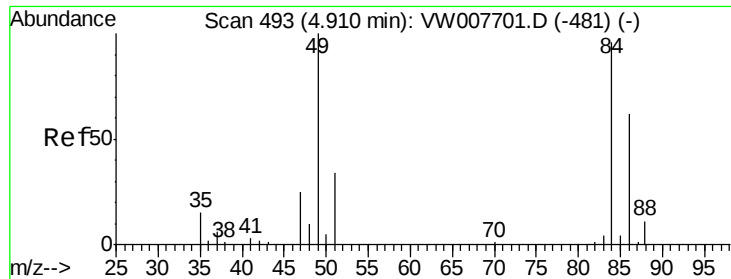
Tgt Ion: 73 Resp: 3457

Ion Ratio Lower Upper

73 100

57 40.7 14.7 22.1#

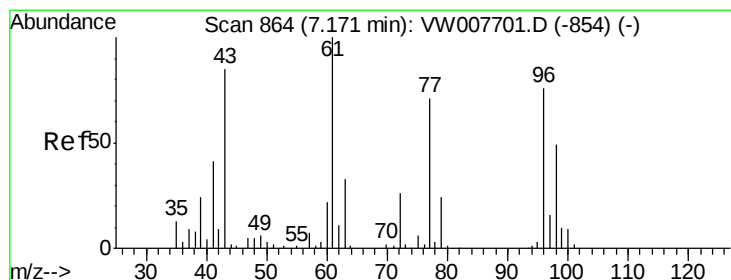
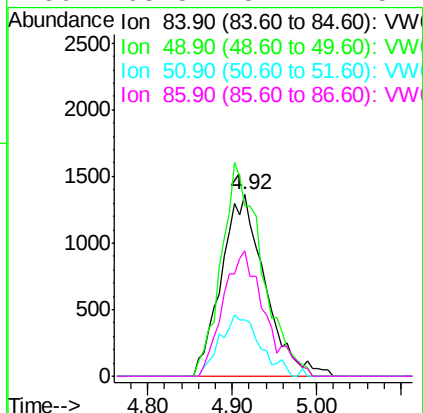
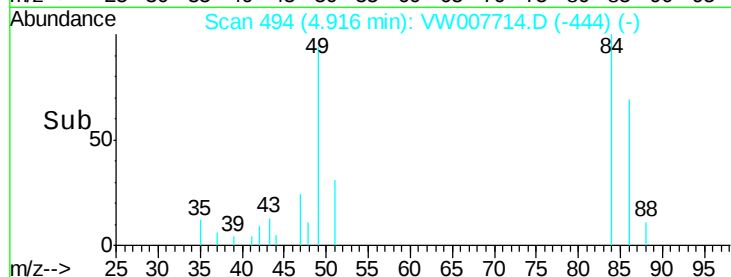
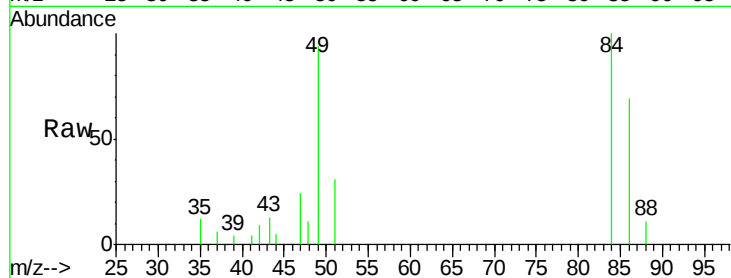




#20
Methylene Chloride
Concen: Below Cal
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW007714.D
Acq: 19 Dec 2018 21:45

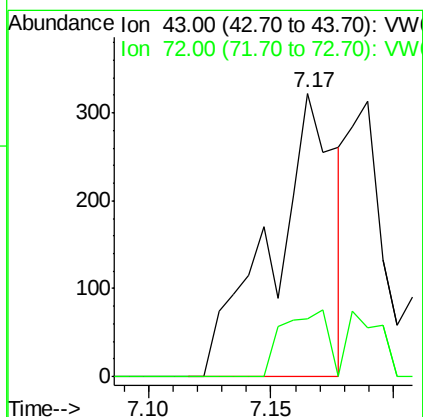
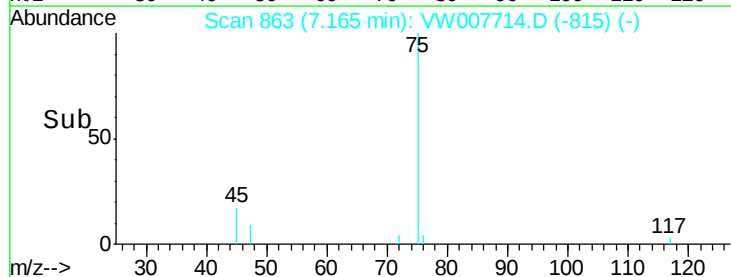
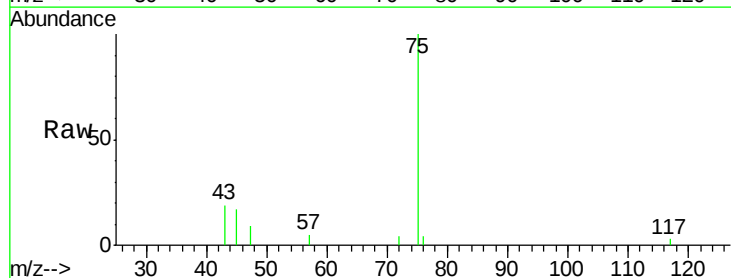
Instrument :
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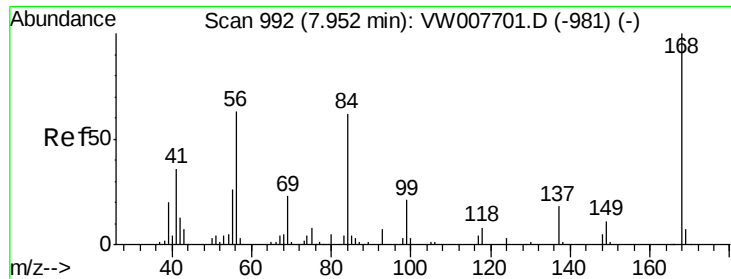
Tgt Ion:	84	Resp:	4827
Ion	Ratio	Lower	Upper
84	100		
49	94.2	83.7	125.5
51	31.3	28.2	42.2
86	68.8	52.2	78.2



#25
2-Butanone
Concen: 2.599 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW007714.D
Acq: 19 Dec 2018 21:45

Tgt Ion:	43	Resp:	581
Ion	Ratio	Lower	Upper
43	100		
72	20.5	24.5	36.7#

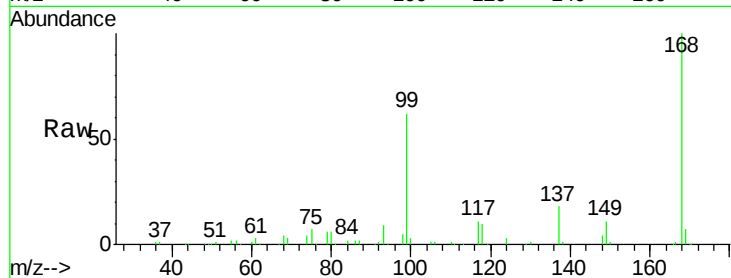




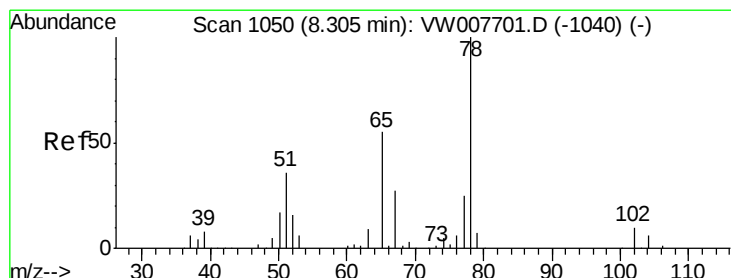
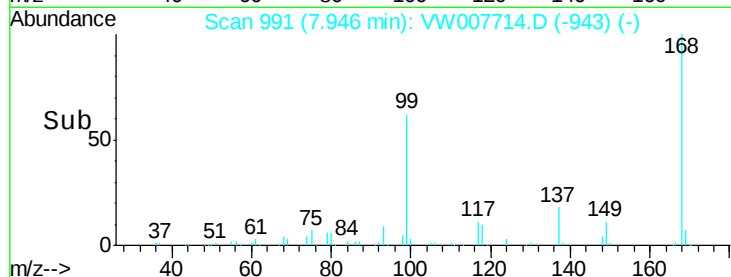
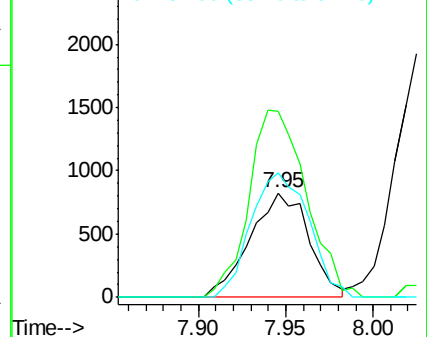
#31
Cyclohexane
Concen: 1.268 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW007714.D
Acq: 19 Dec 2018 21:45

Instrument :
MSVOA_W
ClientSampleId :
KY001SB103-121118-(7-9)

Tgt Ion: 56 Resp: 1924
Ion Ratio Lower Upper
56 100
69 178.4 29.7 44.5#
84 119.0 78.9 118.3#

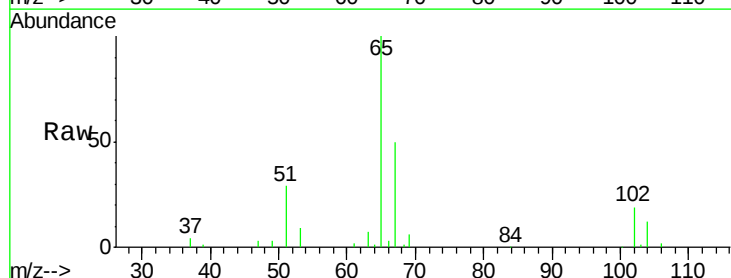


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

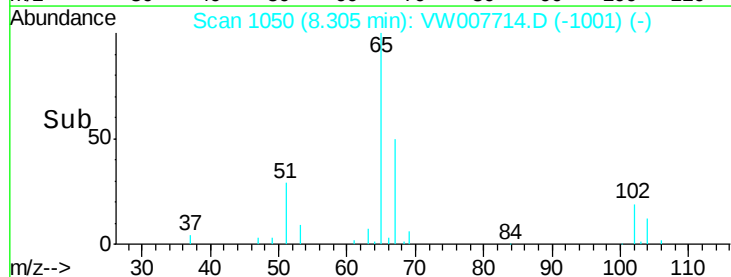
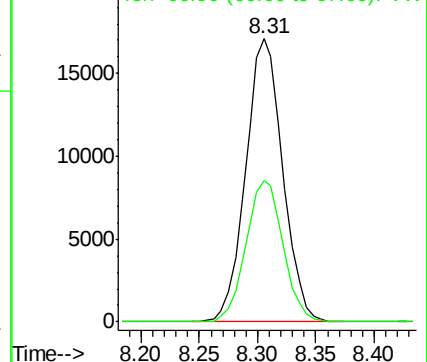


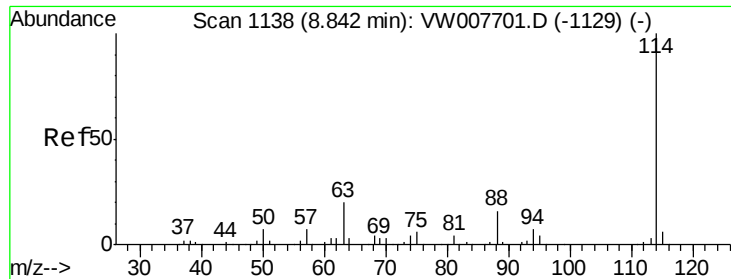
#33
1,2-Dichloroethane-d4
Concen: 36.954 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VW007714.D
Acq: 19 Dec 2018 21:45

Tgt Ion: 65 Resp: 37667
Ion Ratio Lower Upper
65 100
67 50.1 0.0 100.6



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

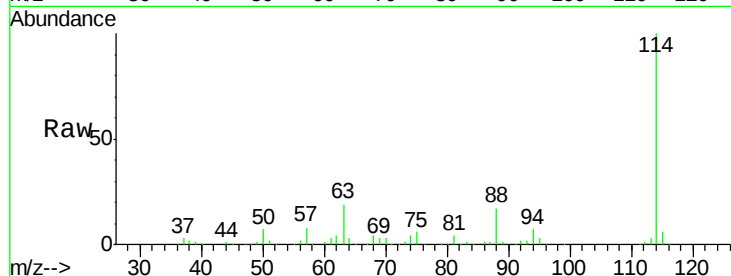




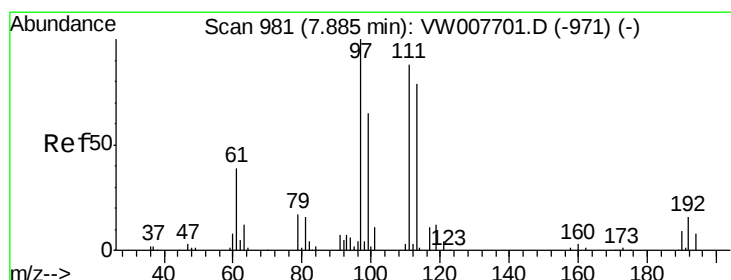
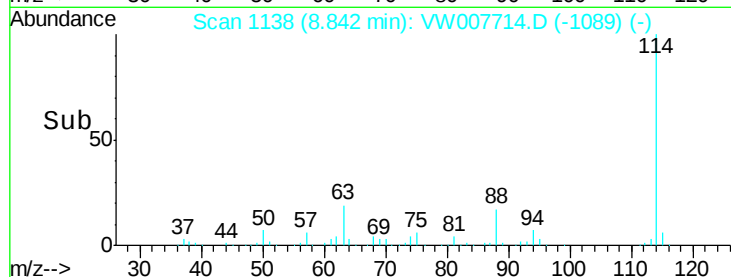
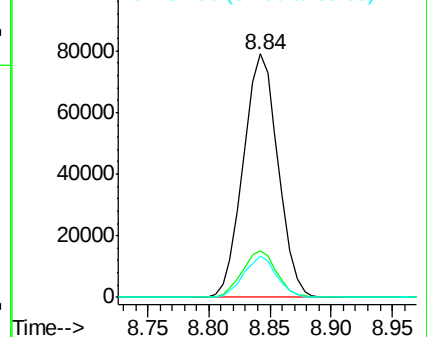
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW007714.D
 Acq: 19 Dec 2018 21:45

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Tgt Ion:114 Resp: 156360
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 40.0
 88 16.7 0.0 32.6

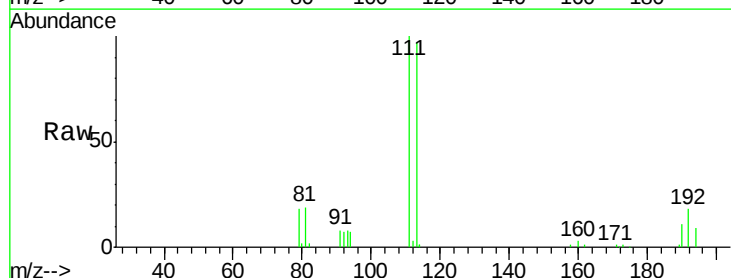


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

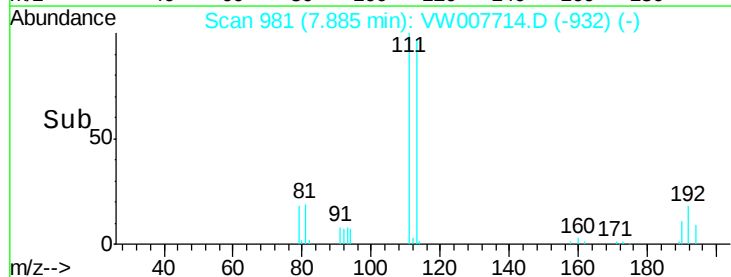
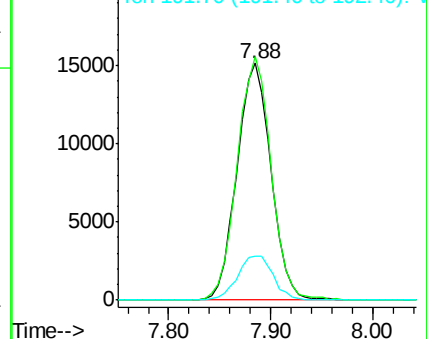


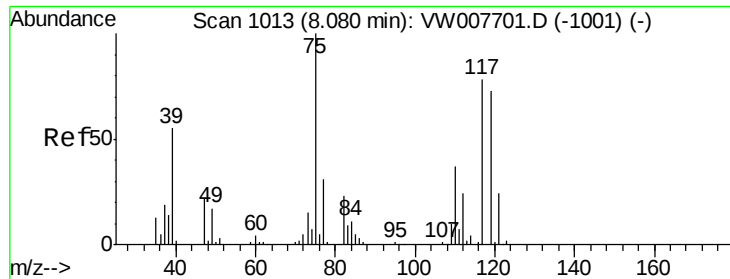
#35
 Dibromofluoromethane
 Concen: 36.696 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW007714.D
 Acq: 19 Dec 2018 21:45

Tgt Ion:113 Resp: 35003
 Ion Ratio Lower Upper
 113 100
 111 102.3 82.6 124.0
 192 19.4 15.5 23.3



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: 4.822 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.13 min

Lab File: VW007714.D

Acq: 19 Dec 2018 21:45

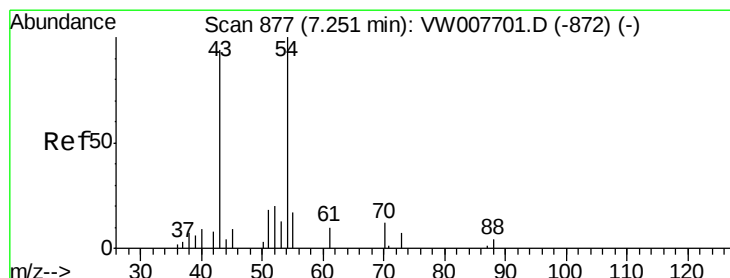
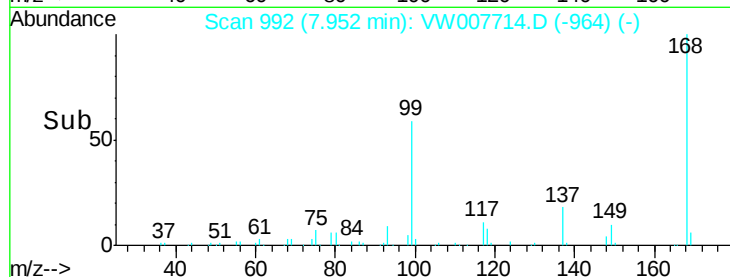
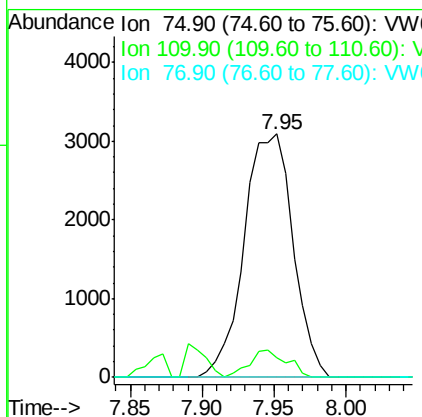
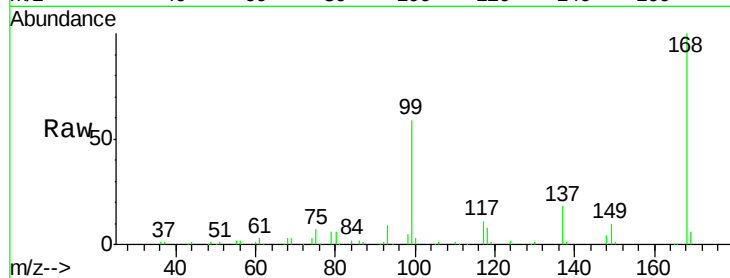
Instrument :

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Tgt Ion:	75	Resp:	7277
Ion	Ratio	Lower	Upper
75	100		
110	8.6	18.6	55.8#
77	0.0	25.0	37.4#



#37

Ethyl Acetate

Concen: 1.116 ug/l

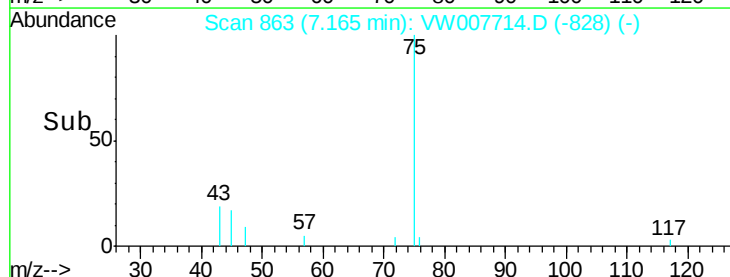
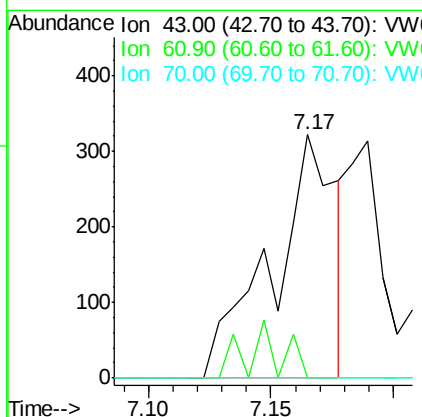
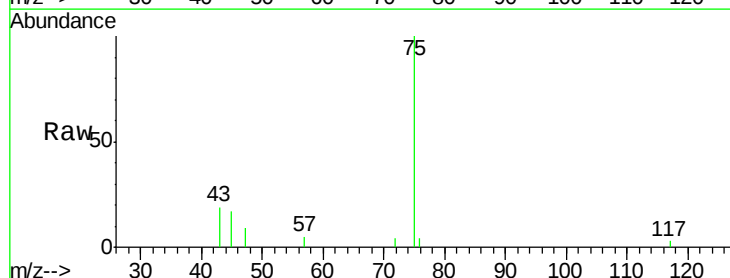
RT: 7.17 min Scan# 863

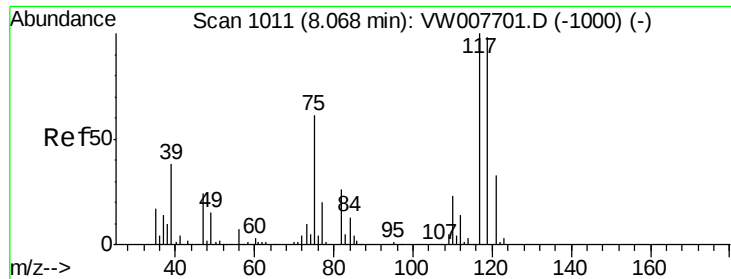
Delta R.T. -0.09 min

Lab File: VW007714.D

Acq: 19 Dec 2018 21:45

Tgt Ion:	43	Resp:	581
Ion	Ratio	Lower	Upper
43	100		
61	8.4	11.2	16.8#
70	0.0	9.3	13.9#

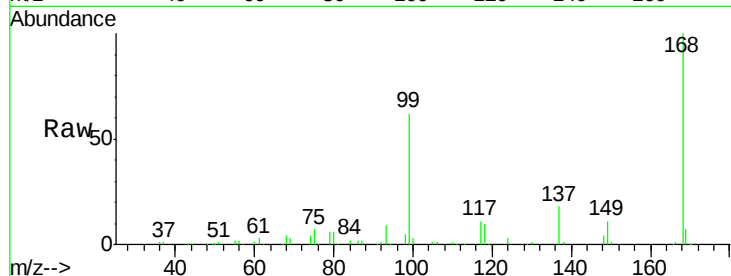




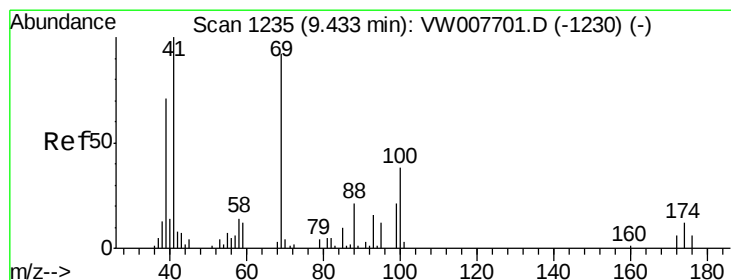
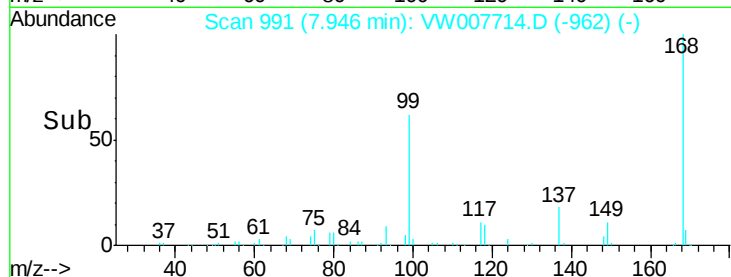
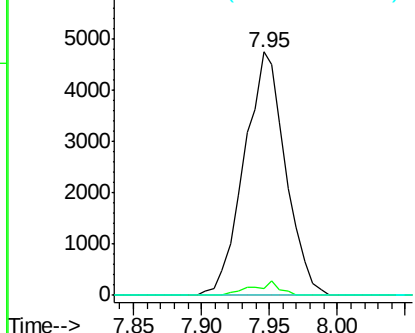
#38
Carbon Tetrachloride
Concen: 5.656 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW007714.D
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Tgt Ion: 117 Resp: 10052
Ion Ratio Lower Upper
117 100
119 2.8 78.2 117.2#
121 0.0 26.1 39.1#

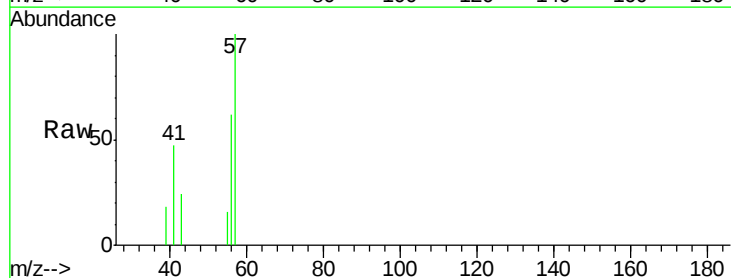


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

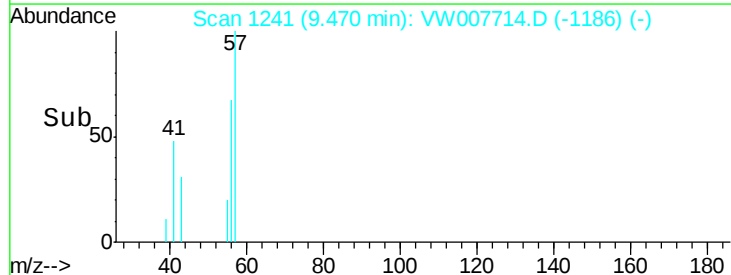
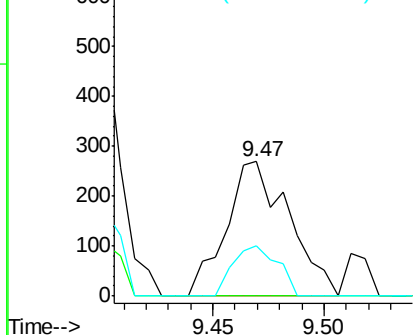


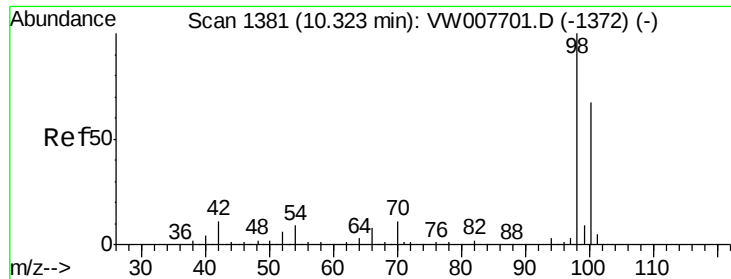
#48
Methyl methacrylate
Concen: 1.018 ug/l
RT: 9.47 min Scan# 1241
Delta R.T. 0.04 min
Lab File: VW007714.D
Acq: 19 Dec 2018 21:45

Tgt Ion: 41 Resp: 530
Ion Ratio Lower Upper
41 100
69 0.0 74.2 111.2#
39 26.6 53.9 80.9#



Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 39.00 (38.70 to 39.70): VW





#50

Toluene-d8

Concen: 35.455 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW007714.D

Acq: 19 Dec 2018 21:45

Instrument :

MSVOA_W

ClientSampleId :

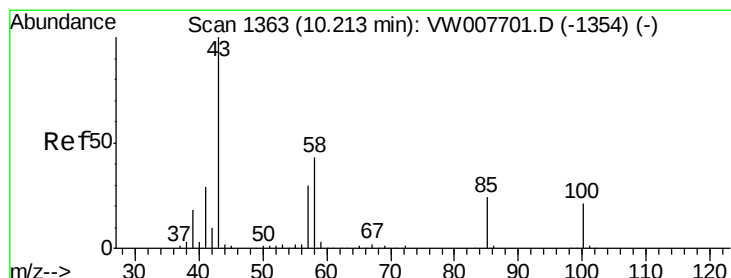
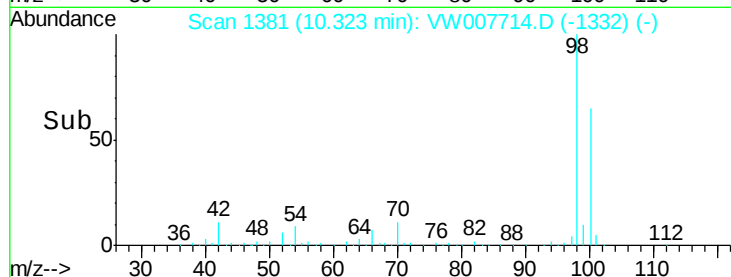
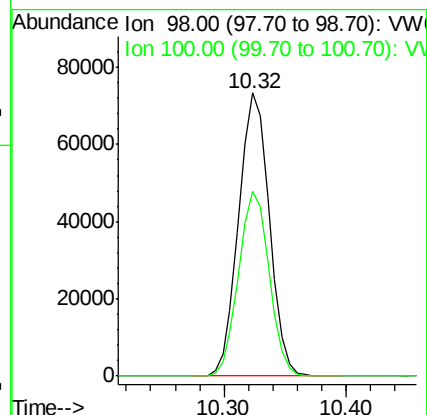
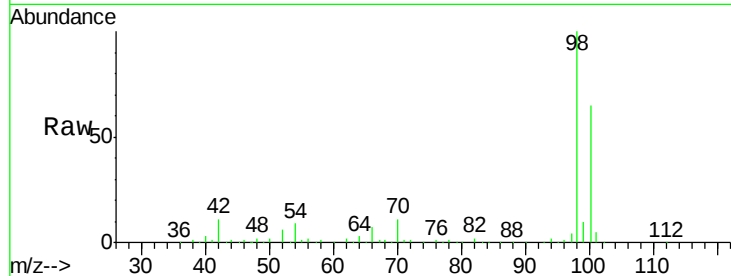
KY001SB103-121118-(7-9)

Tgt Ion: 98 Resp: 127494

Ion Ratio Lower Upper

98 100

100 65.0 52.2 78.2



#51

4-Methyl-2-Pentanone

Concen: 1.977 ug/l

RT: 10.25 min Scan# 1369

Delta R.T. 0.04 min

Lab File: VW007714.D

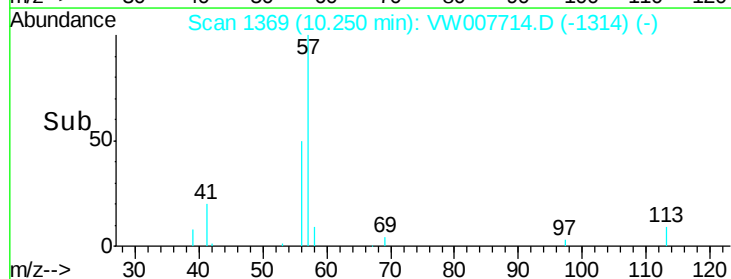
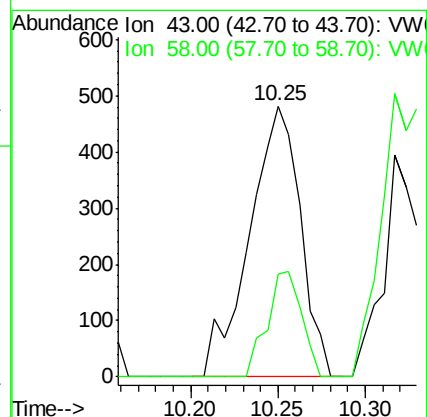
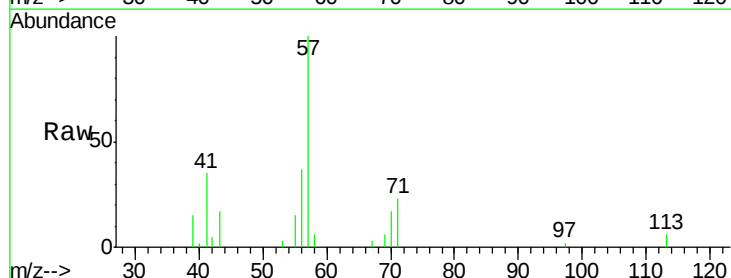
Acq: 19 Dec 2018 21:45

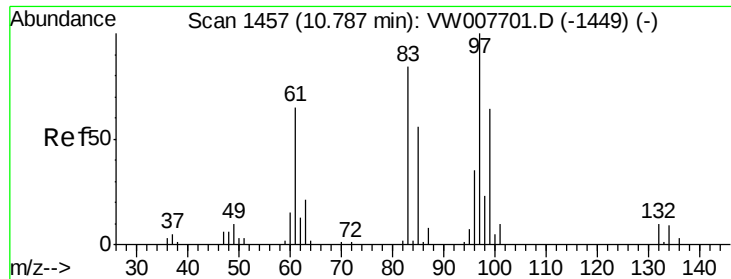
Tgt Ion: 43 Resp: 975

Ion Ratio Lower Upper

43 100

58 26.4 33.2 49.8#

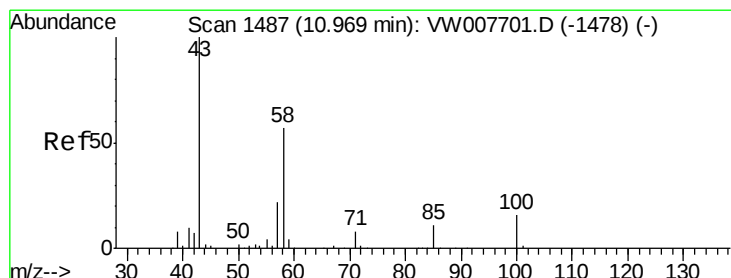
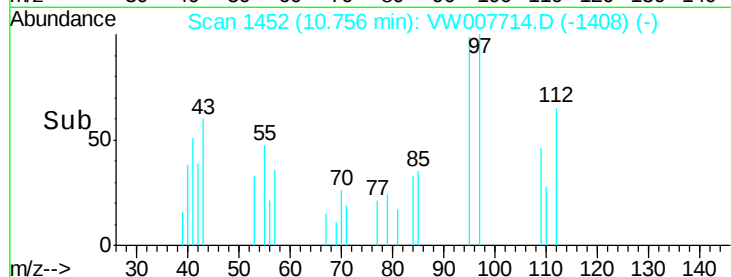
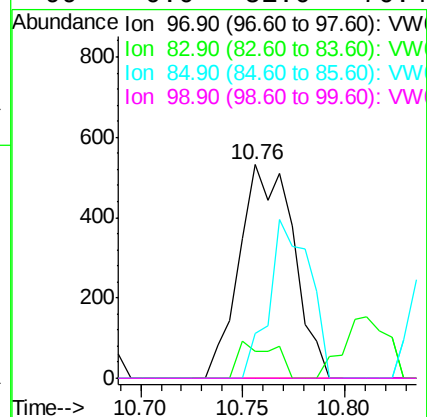
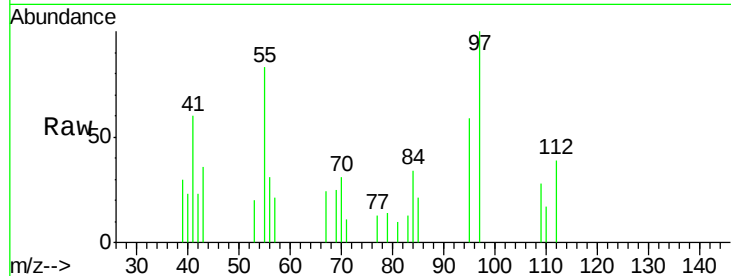




#55
 1,1,2-Trichloroethane
 Concen: 1.282 ug/l
 RT: 10.76 min Scan# 1452
 Delta R.T. -0.03 min
 Lab File: VW007714.D
 Acq: 19 Dec 2018 21:45

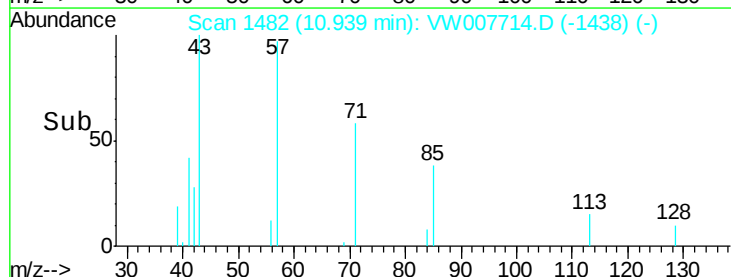
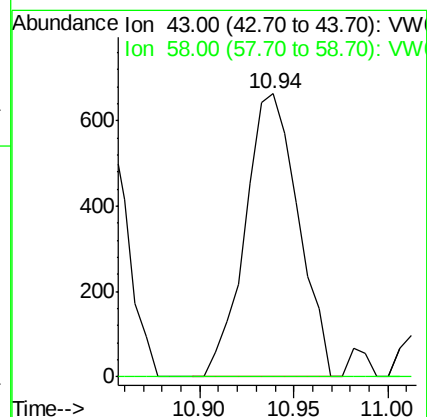
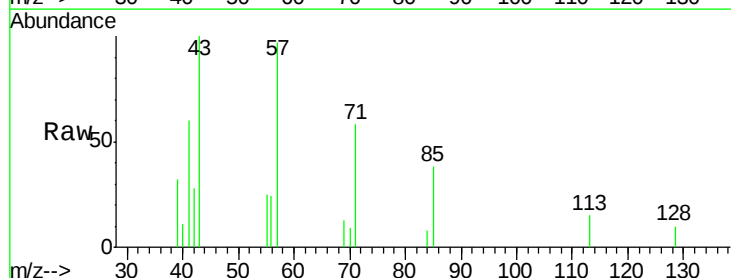
Instrument :
 MSVOA_W
 ClientSampleId :
 KY001SB103-121118-(7-9)

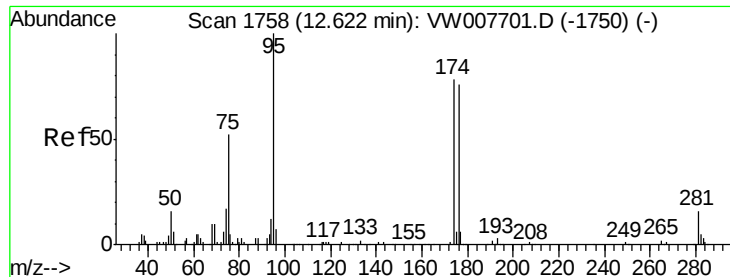
Tgt Ion: 97 Resp: 972
 Ion Ratio Lower Upper
 97 100
 83 12.6 67.5 101.3#
 85 20.9 44.8 67.2#
 99 0.0 51.0 76.4#



#59
 2-Hexanone
 Concen: 3.734 ug/l
 RT: 10.94 min Scan# 1482
 Delta R.T. -0.03 min
 Lab File: VW007714.D
 Acq: 19 Dec 2018 21:45

Tgt Ion: 43 Resp: 1295
 Ion Ratio Lower Upper
 43 100
 58 0.0 27.7 83.1#

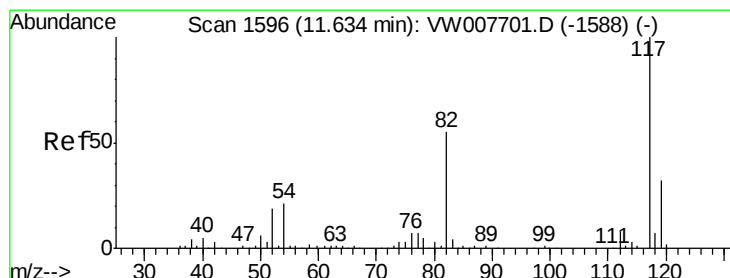
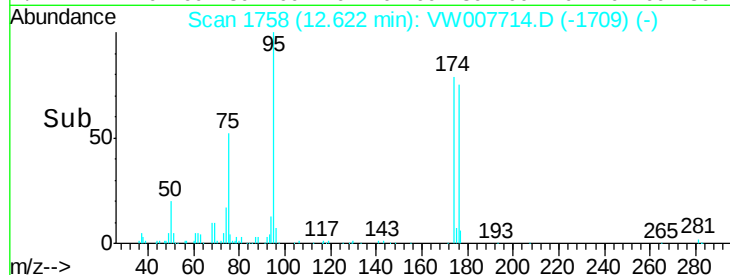
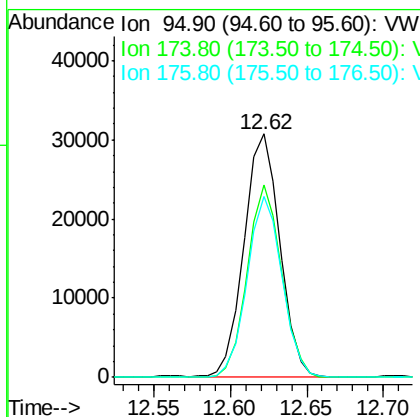
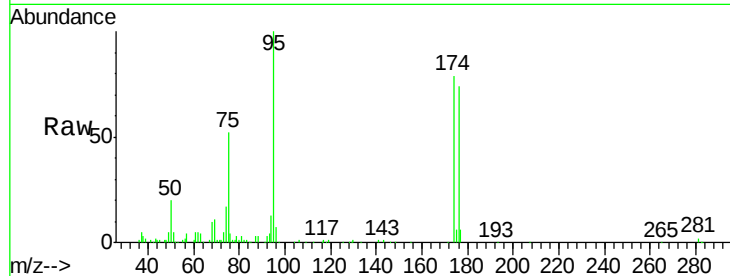




#62
4-Bromofluorobenzene
Concen: 36.197 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW007714.D
Acq: 19 Dec 2018 21:45

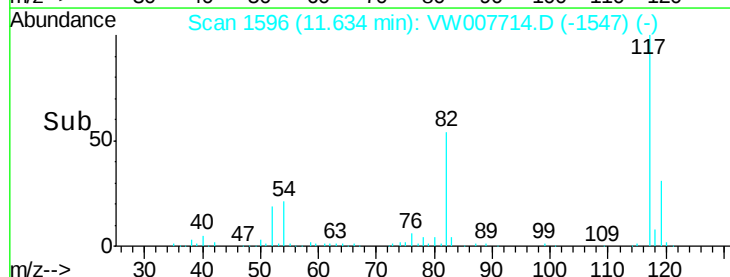
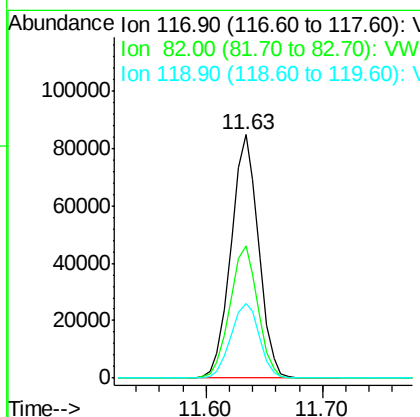
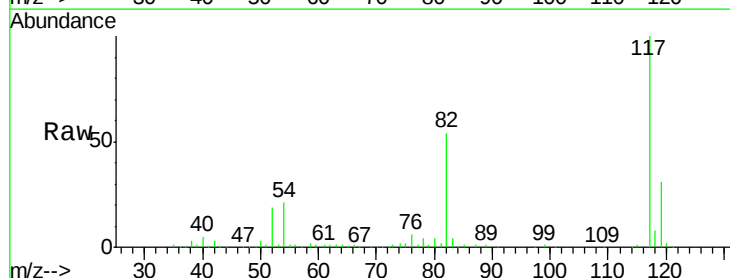
Instrument :
MSVOA_W
ClientSampleId :
KY001SB103-121118-(7-9)

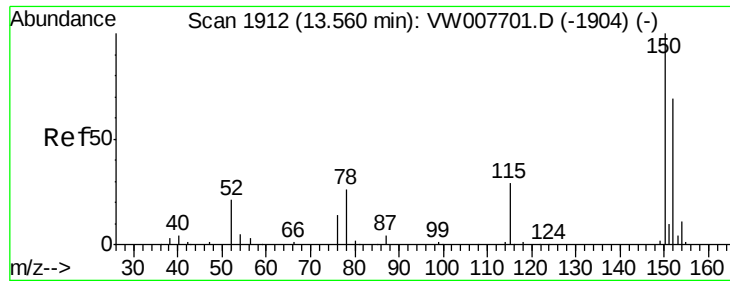
Tgt Ion: 95 Resp: 50285
Ion Ratio Lower Upper
95 100
174 75.3 0.0 152.2
176 72.2 0.0 146.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007714.D
Acq: 19 Dec 2018 21:45

Tgt Ion: 117 Resp: 139259
Ion Ratio Lower Upper
117 100
82 54.2 44.3 66.5
119 30.9 25.7 38.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW007714.D

Acq: 19 Dec 2018 21:45

Instrument :

MSVOA_W

ClientSampleId :

KY001SB103-121118-(7-9)

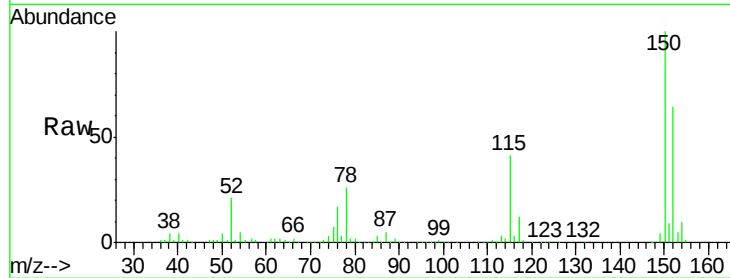
Tgt Ion:152 Resp: 69259

Ion Ratio Lower Upper

152 100

115 62.2 31.8 95.4

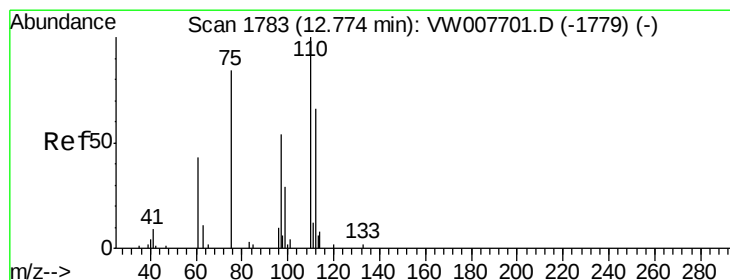
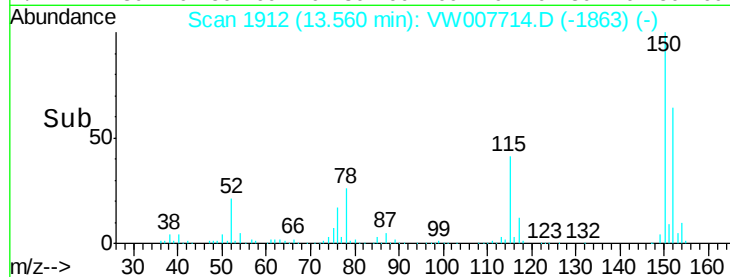
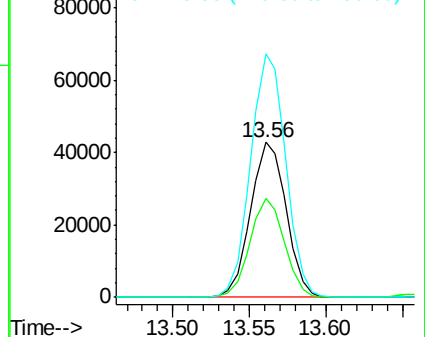
150 155.5 0.0 350.8



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: 47.937 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW007714.D

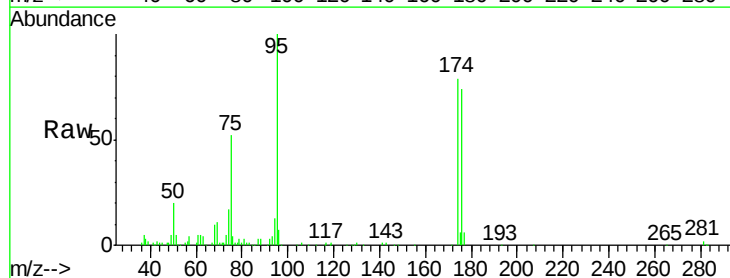
Acq: 19 Dec 2018 21:45

Tgt Ion: 75 Resp: 25661

Ion Ratio Lower Upper

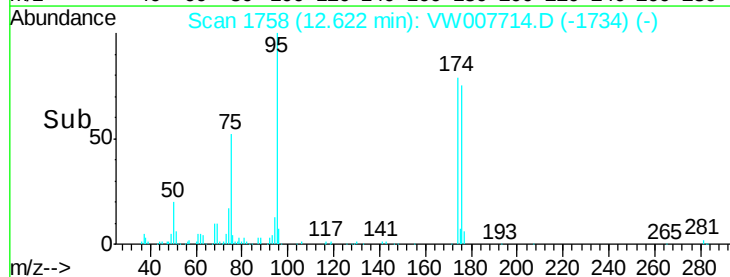
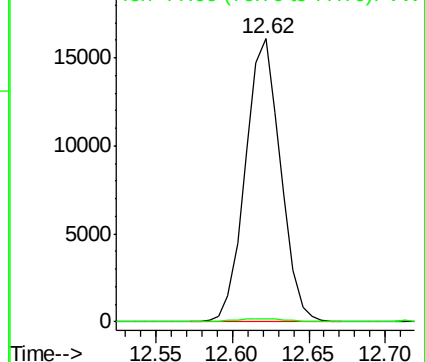
75 100

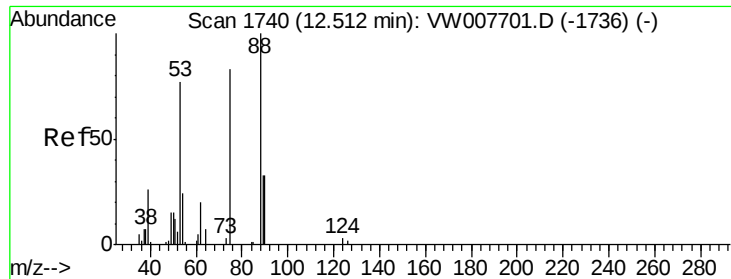
77 1.5 0.0 0.0#



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: 100.623 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW007714.D

Acq: 19 Dec 2018 21:45

Instrument :

MSVOA_W

ClientSampleId :

KY001SB103-121118-(7-9)

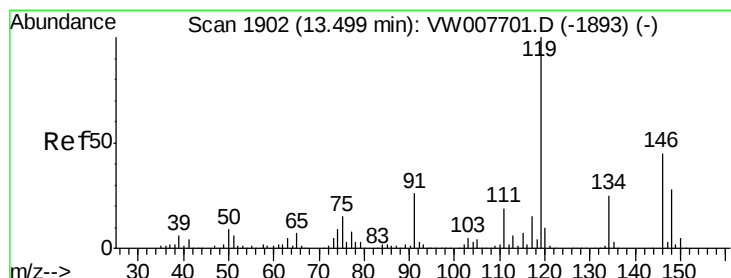
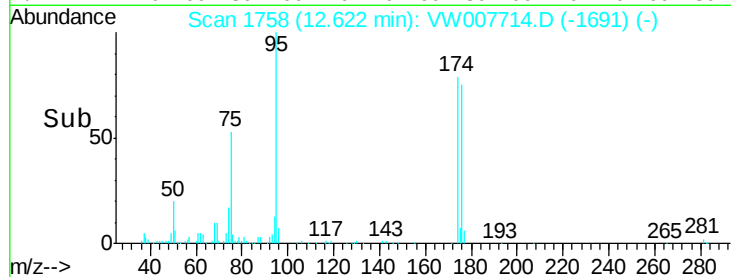
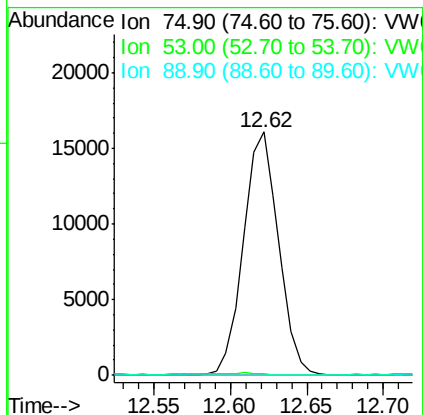
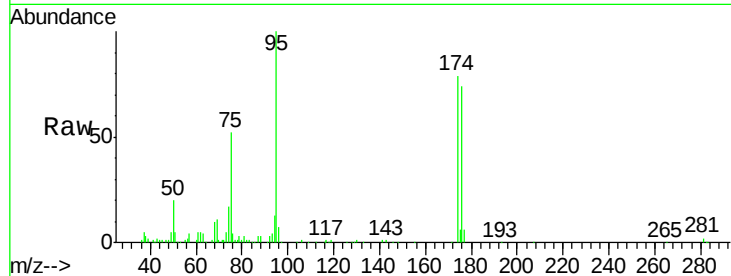
Tgt Ion: 75 Resp: 25661

Ion Ratio Lower Upper

75 100

53 0.2 80.2 120.2#

89 0.0 39.2 58.8#



#86

p-Isopropyltoluene

Concen: 2.765 ug/l

RT: 13.66 min Scan# 1928

Delta R.T. 0.16 min

Lab File: VW007714.D

Acq: 19 Dec 2018 21:45

Tgt Ion: 119 Resp: 13727

Ion Ratio Lower Upper

119 100

134 28.0 13.0 39.0

91 28.7 12.8 38.4

