

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW122118\
 Data File : VW007710.D
 Acq On : 19 Dec 2018 20:02
 Operator : SY/AP
 Sample : J6392-01
 Misc : 6.54G/5ML/MSVOA_W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 KY001SB102-121118-(7-9)

Quant Time: Dec 20 06:50:46 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	93083	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	152680	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	137006	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	69976	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	41736	40.91	ug/l	0.00
Spiked Amount			Recovery	=	81.82%	
35) Dibromofluoromethane	7.88	113	38407	41.23	ug/l	0.00
Spiked Amount			Recovery	=	82.46%	
50) Toluene-d8	10.32	98	135945	38.72	ug/l	0.00
Spiked Amount			Recovery	=	77.44%	
62) 4-Bromofluorobenzene	12.62	95	56795	41.87	ug/l	0.00
Spiked Amount			Recovery	=	83.74%	

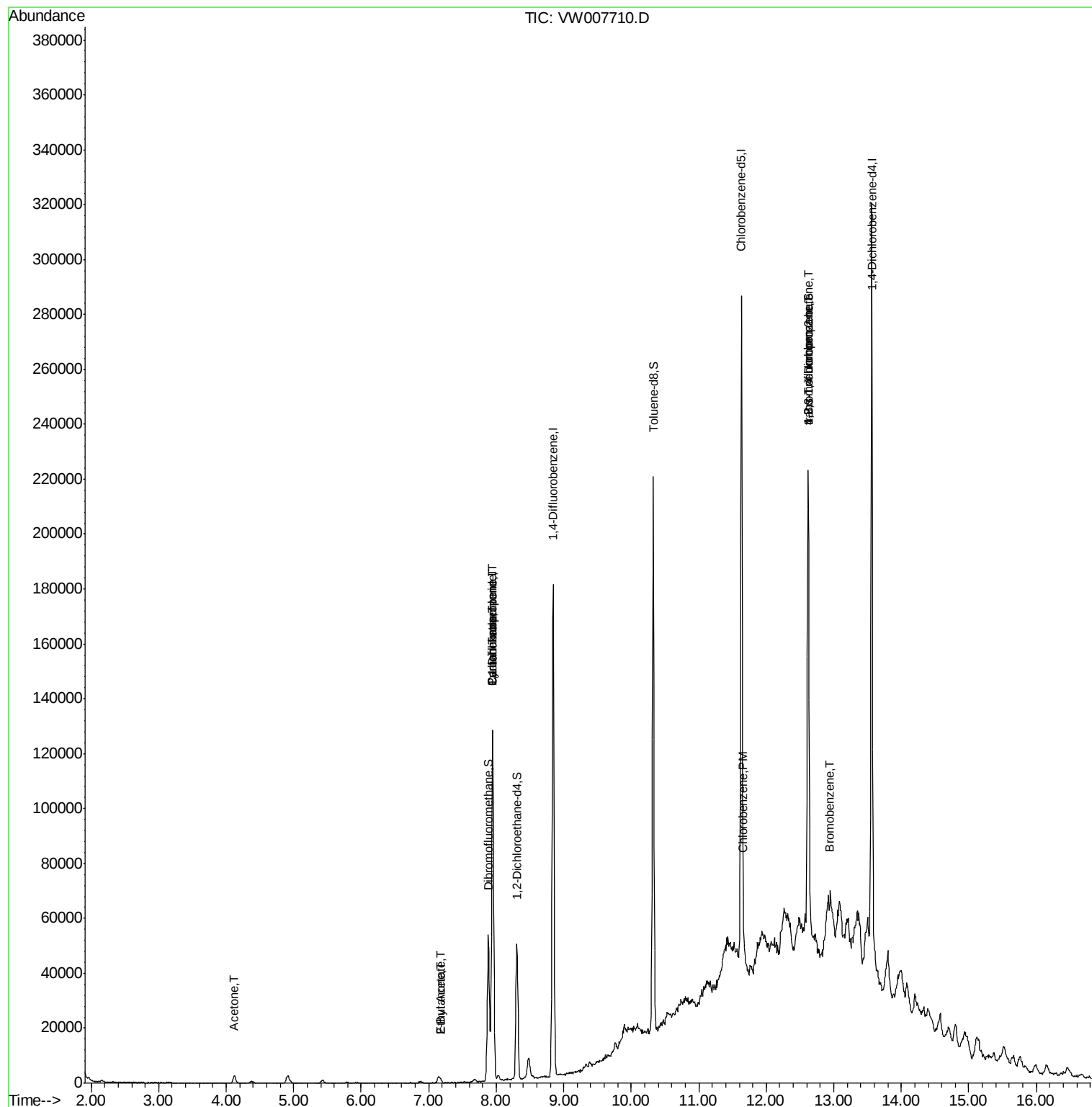
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.12	43	5110	26.747	ug/l	97
20) Methylene Chloride	4.90	84	2603	Below Cal	#	88
25) 2-Butanone	7.18	43	1571	7.020	ug/l #	85
31) Cyclohexane	7.95	56	2136	1.406	ug/l #	11
36) 1,1-Dichloropropene	7.95	75	7048	4.783	ug/l #	50
37) Ethyl Acetate	7.18	43	1571	3.089	ug/l #	68
38) Carbon Tetrachloride	7.95	117	9691	5.584	ug/l #	15
65) Chlorobenzene	11.66	112	3925	1.324	ug/l	100
76) 1,2,3-Trichloropropane	12.62	75	28713	53.089	ug/l #	100
77) Bromobenzene	12.94	156	23752	19.594	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	28713	111.437	ug/l #	9

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

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Quant Title : SW846 8260
QLast Update : Thu Dec 20 06:30:23 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW007710.D

Acq: 19 Dec 2018 20:02

Instrument :

MSVOA_W

ClientSampleId :

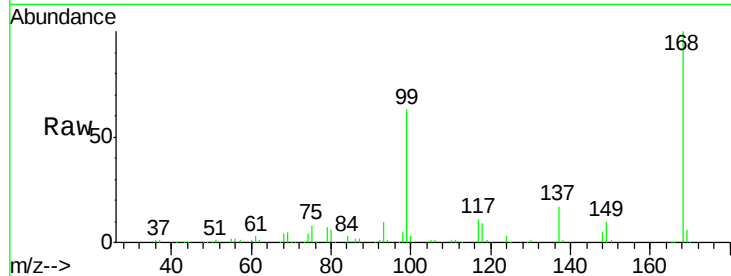
KY001SB102-121118-(7-9)

Tgt Ion:168 Resp: 93083

Ion Ratio Lower Upper

168 100

99 62.8 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

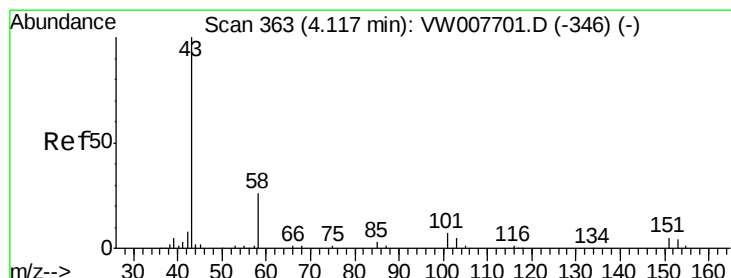
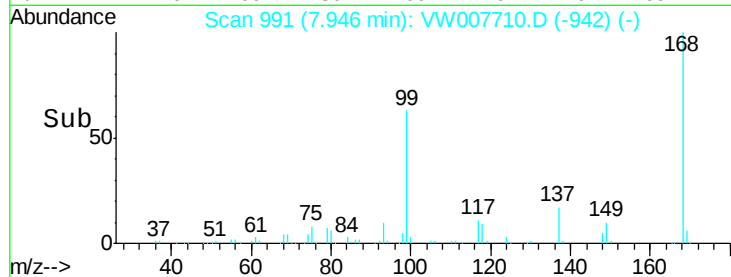
20000

10000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#16

Acetone

Concen: 26.747 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW007710.D

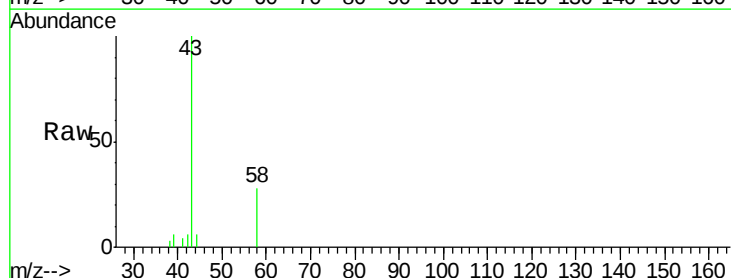
Acq: 19 Dec 2018 20:02

Tgt Ion: 43 Resp: 5110

Ion Ratio Lower Upper

43 100

58 28.2 21.2 31.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

2000

1500

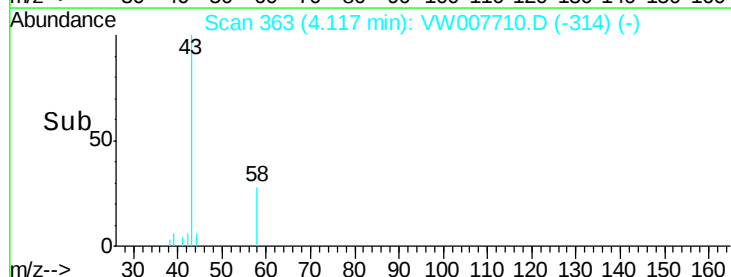
1000

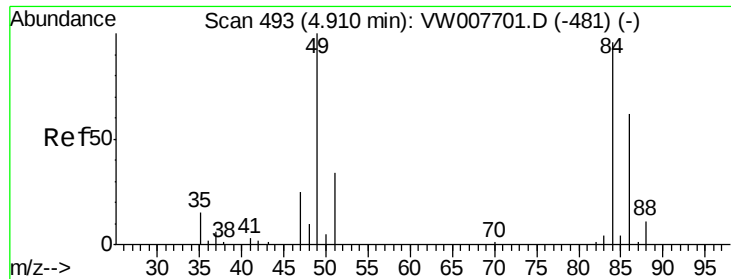
500

0

4.00 4.10 4.20

Time-->

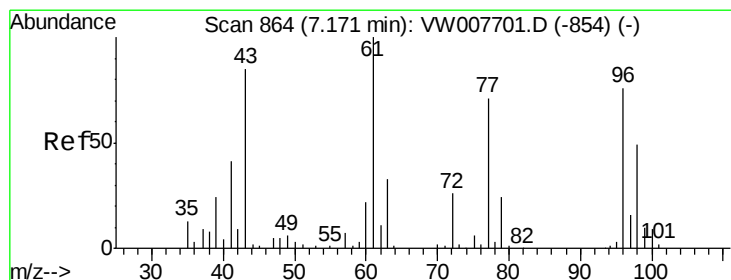
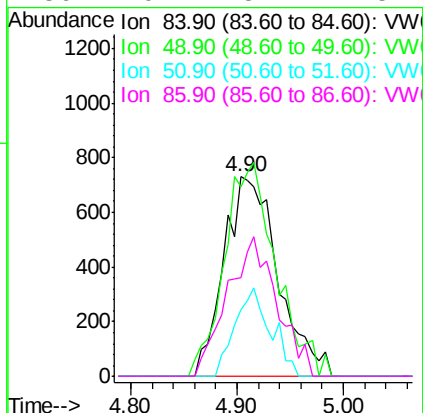
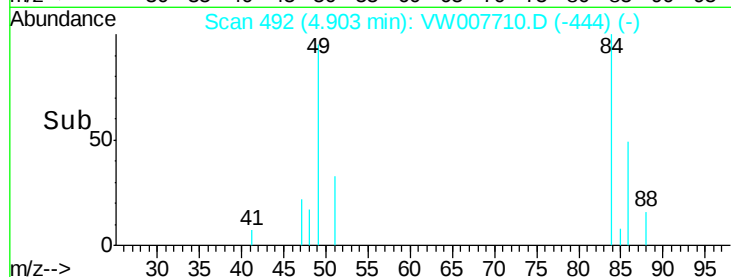
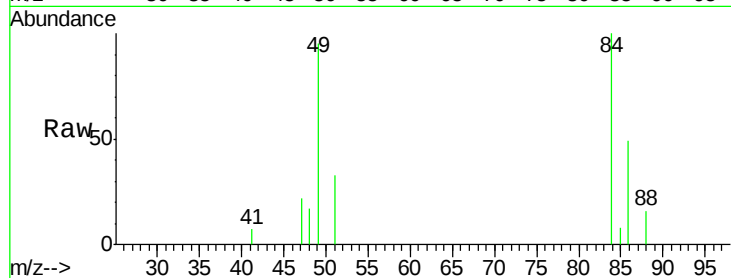




#20
Methylene Chloride
Concen: Below Cal
RT: 4.90 min Scan# 492
Delta R.T. -0.01 min
Lab File: VW007710.D
Acq: 19 Dec 2018 20:02

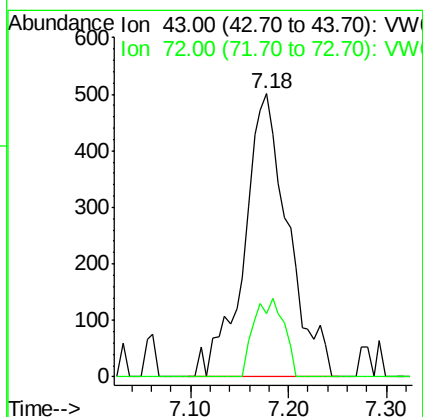
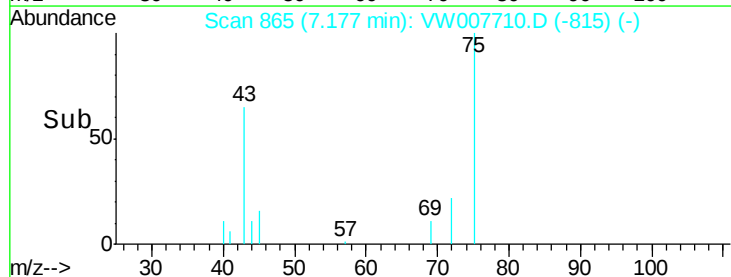
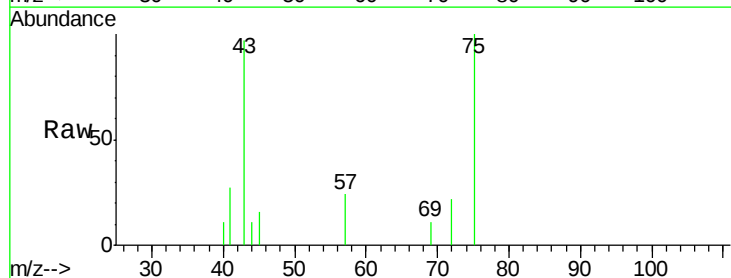
Instrument :
MSVOA_W
ClientSampleId :
KY001SB102-121118-(7-9)

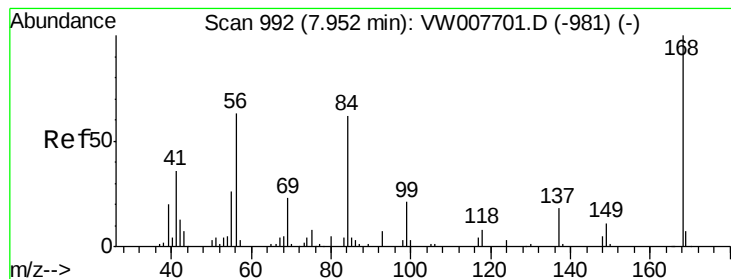
Tgt Ion: 84 Resp: 2603
Ion Ratio Lower Upper
84 100
49 94.7 83.7 125.5
51 33.4 28.2 42.2
86 49.2 52.2 78.2#



#25
2-Butanone
Concen: 7.020 ug/l
RT: 7.18 min Scan# 865
Delta R.T. 0.01 min
Lab File: VW007710.D
Acq: 19 Dec 2018 20:02

Tgt Ion: 43 Resp: 1571
Ion Ratio Lower Upper
43 100
72 22.6 24.5 36.7#





#31

Cyclohexane

Concen: 1.406 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW007710.D

Acq: 19 Dec 2018 20:02

Instrument :

MSVOA_W

ClientSampleId :

KY001SB102-121118-(7-9)

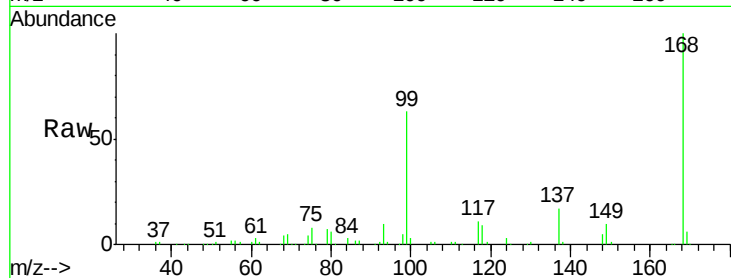
Tgt Ion: 56 Resp: 2136

Ion Ratio Lower Upper

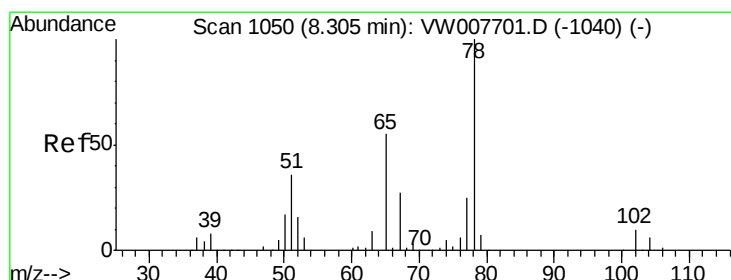
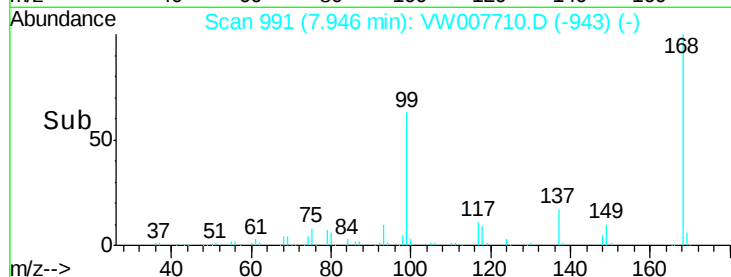
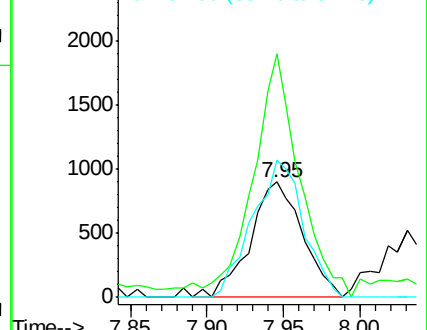
56 100

69 197.8 29.7 44.5#

84 119.3 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: 40.908 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW007710.D

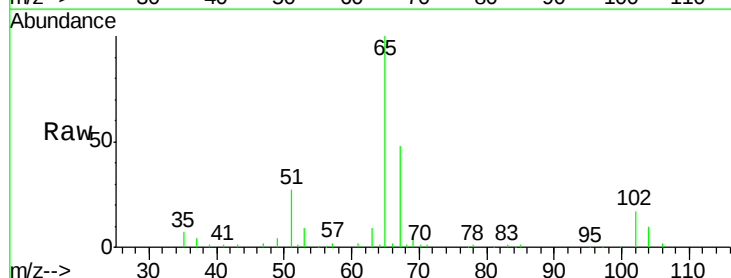
Acq: 19 Dec 2018 20:02

Tgt Ion: 65 Resp: 41736

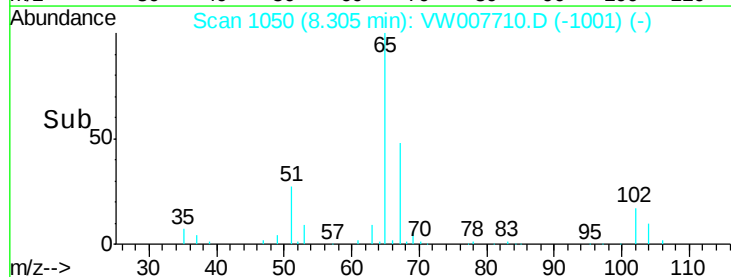
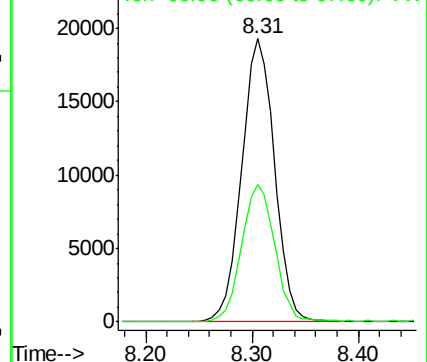
Ion Ratio Lower Upper

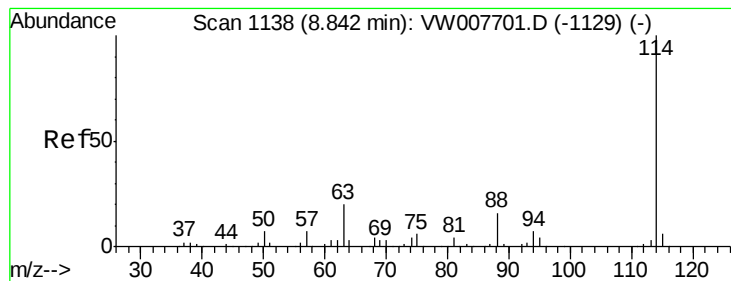
65 100

67 49.5 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: VW007710.D

Acq: 19 Dec 2018 20:02

Instrument :

MSVOA_W

ClientSampleId :

KY001SB102-121118-(7-9)

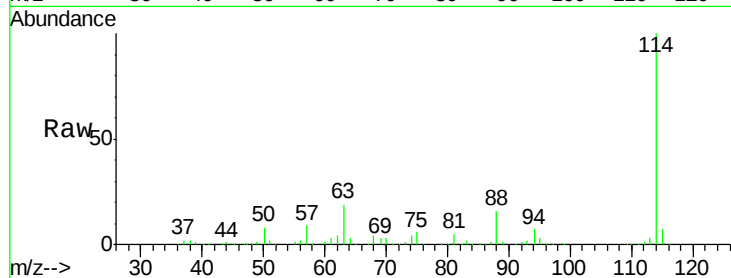
Tgt Ion:114 Resp: 152680

Ion Ratio Lower Upper

114 100

63 19.0 0.0 40.0

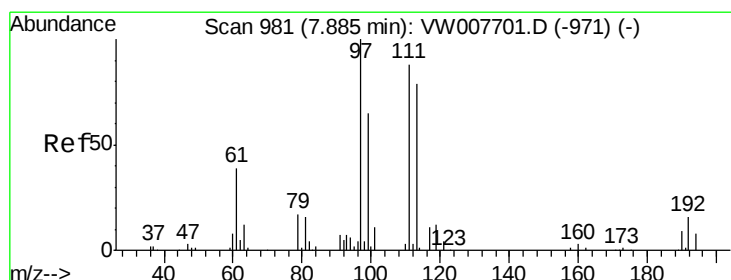
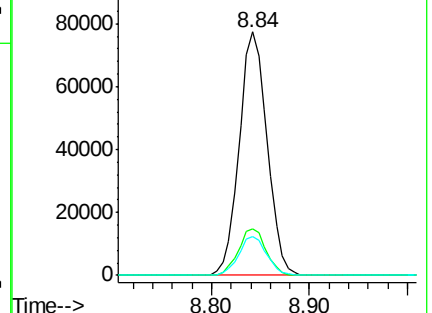
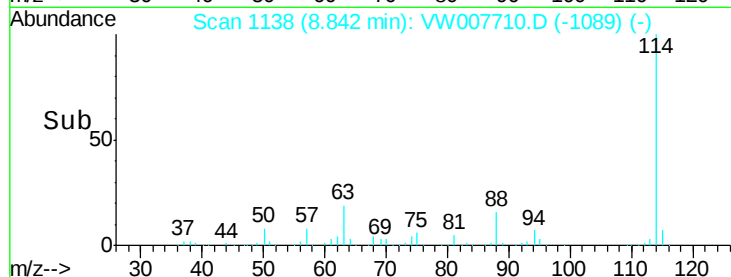
88 15.9 0.0 32.6



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: 41.235 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW007710.D

Acq: 19 Dec 2018 20:02

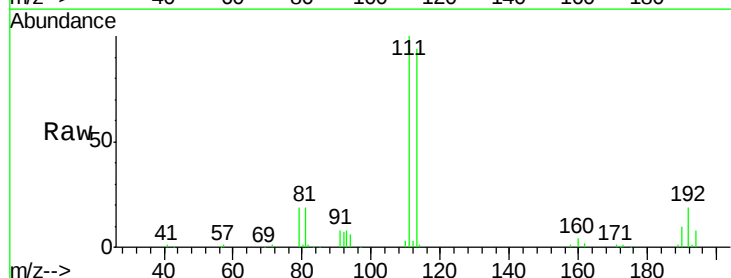
Tgt Ion:113 Resp: 38407

Ion Ratio Lower Upper

113 100

111 102.4 82.6 124.0

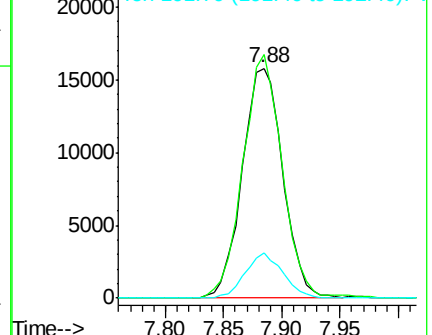
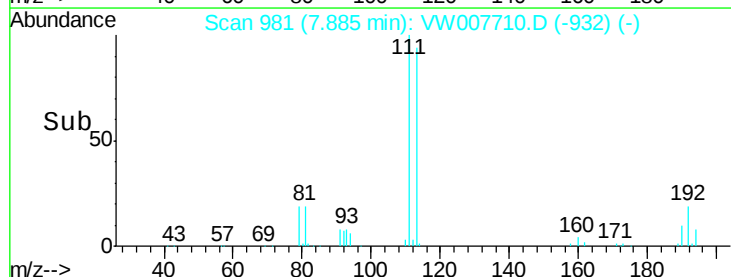
192 18.2 15.5 23.3

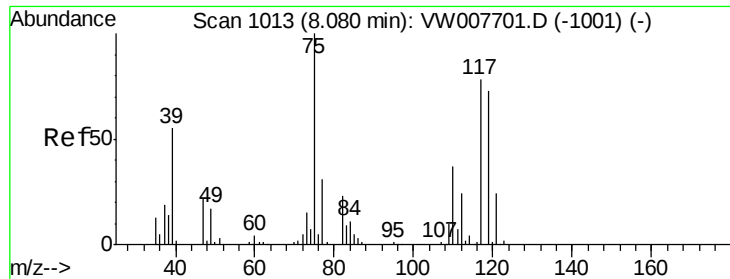


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.783 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW007710.D

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KY001SB102-121118-(7-9)

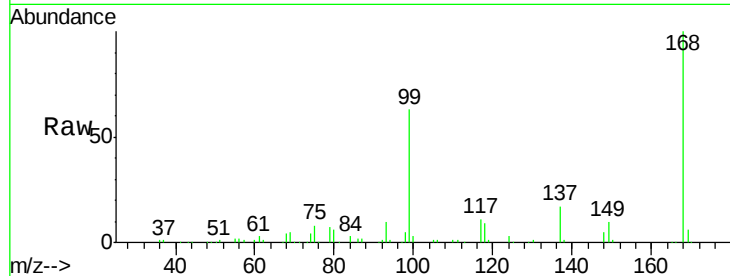
Tgt Ion: 75 Resp: 7048

Ion Ratio Lower Upper

75 100

110 10.8 18.6 55.8#

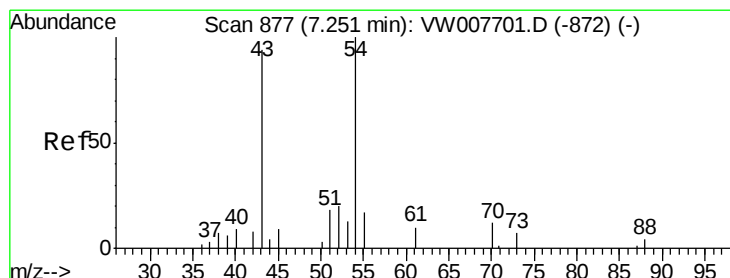
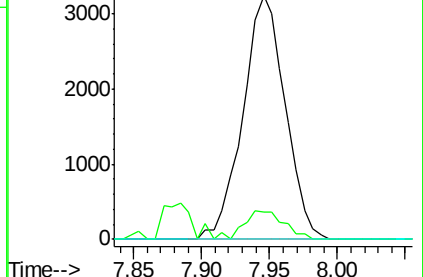
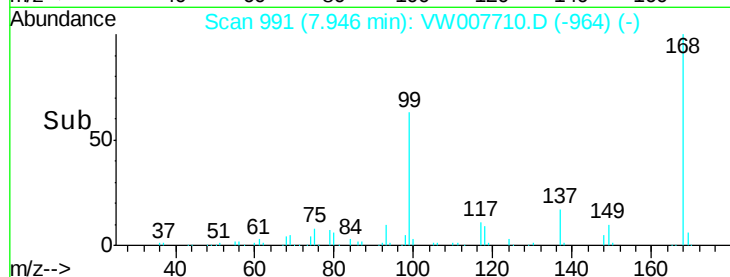
77 0.0 25.0 37.4#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): VW

Ion 76.90 (76.60 to 77.60): VW



#37

Ethyl Acetate

Concen: 3.089 ug/l

RT: 7.18 min Scan# 865

Delta R.T. -0.07 min

Lab File: VW007710.D

Acq: 19 Dec 2018 20:02

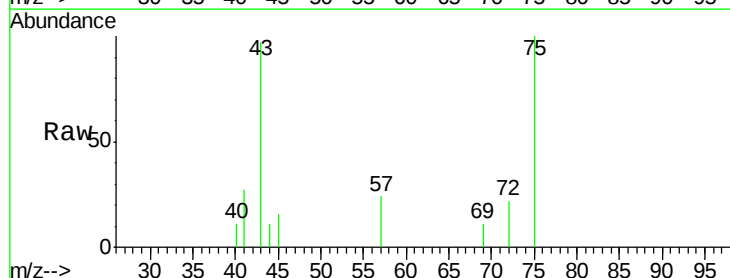
Tgt Ion: 43 Resp: 1571

Ion Ratio Lower Upper

43 100

61 0.0 11.2 16.8#

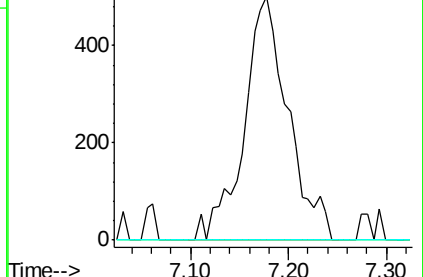
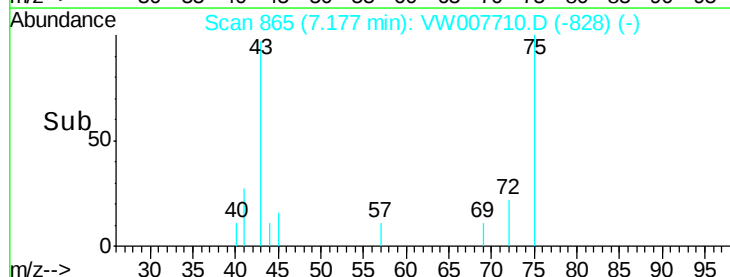
70 0.0 9.3 13.9#

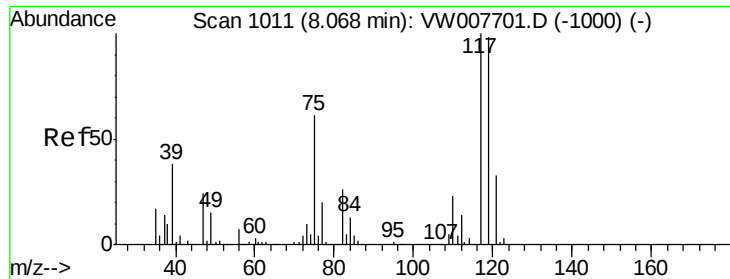


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 70.00 (69.70 to 70.70): VW

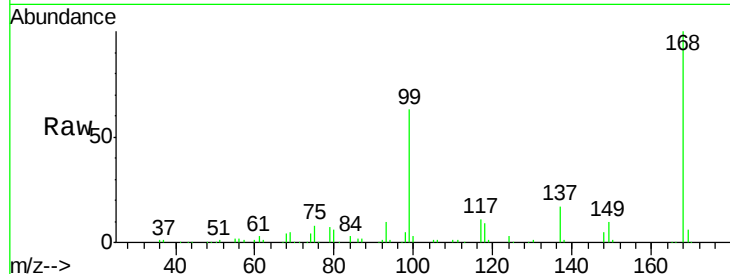




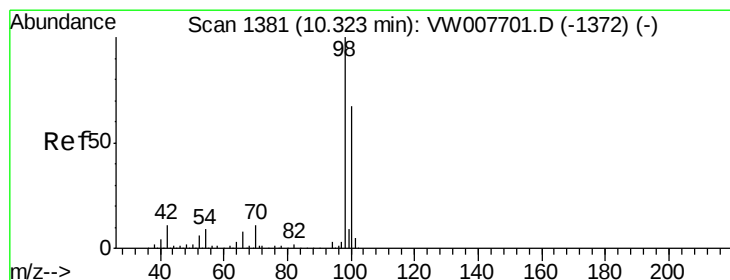
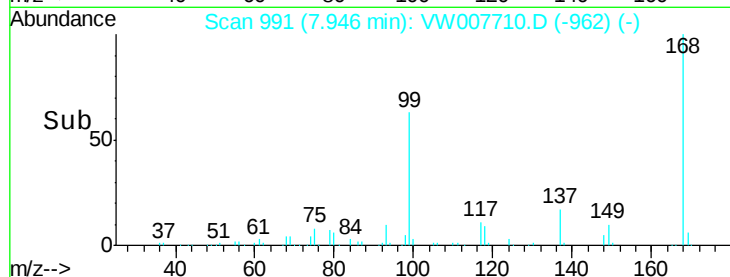
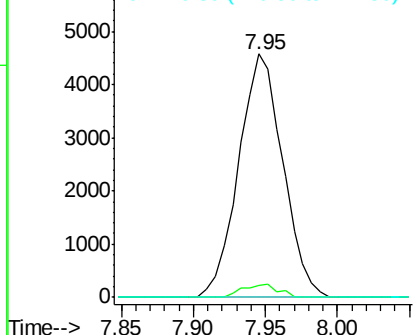
#38
Carbon Tetrachloride
Concen: 5.584 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW007710.D
Acq: 19 Dec 2018 20:02

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Tgt Ion: 117 Resp: 9691
Ion Ratio Lower Upper
117 100
119 4.9 78.2 117.2#
121 0.0 26.1 39.1#

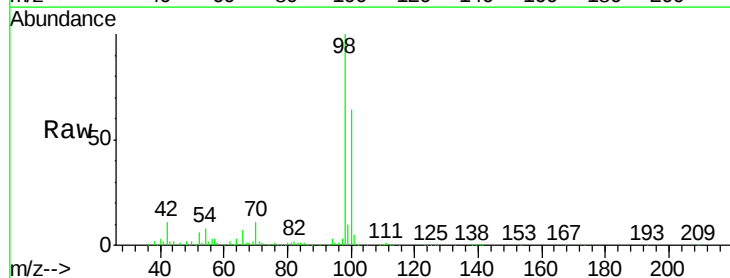


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

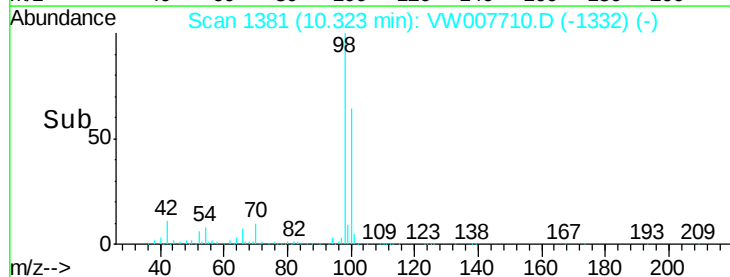
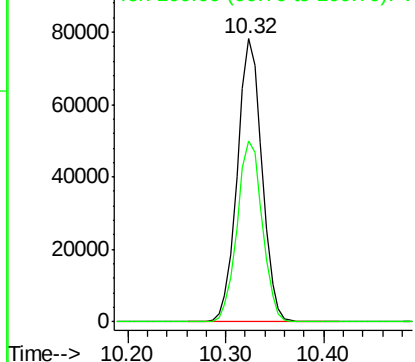


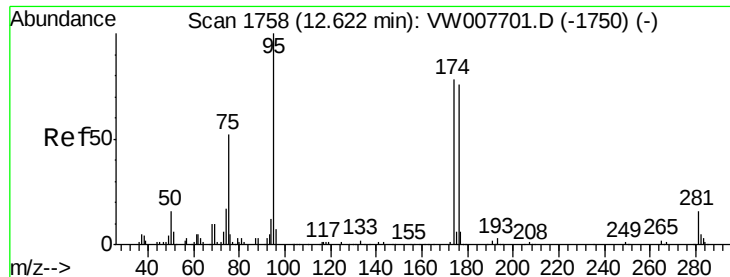
#50
Toluene-d8
Concen: 38.716 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW007710.D
Acq: 19 Dec 2018 20:02

Tgt Ion: 98 Resp: 135945
Ion Ratio Lower Upper
98 100
100 65.4 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW





#62

4-Bromofluorobenzene

Concen: 41.869 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW007710.D

Acq: 19 Dec 2018 20:02

Instrument :

MSVOA_W

ClientSampleId :

KY001SB102-121118-(7-9)

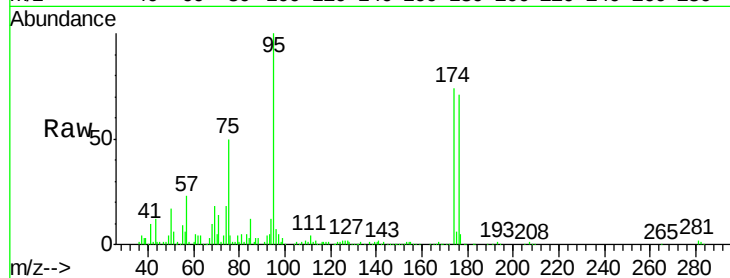
Tgt Ion: 95 Resp: 56795

Ion Ratio Lower Upper

95 100

174 73.0 0.0 152.2

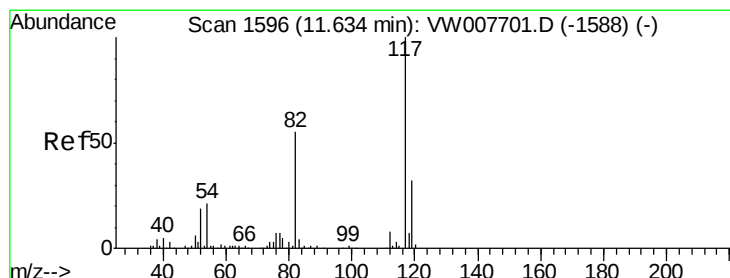
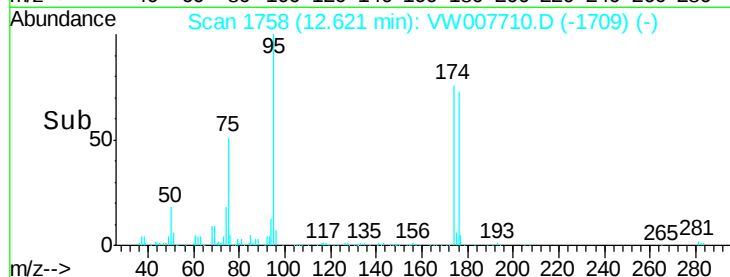
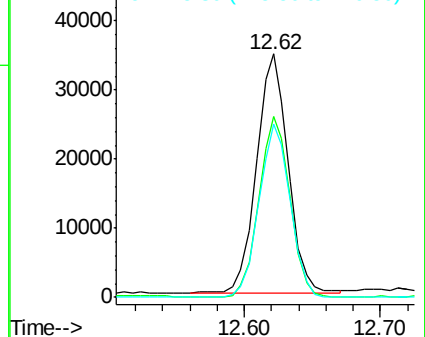
176 70.7 0.0 146.8



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VW007710.D

Acq: 19 Dec 2018 20:02

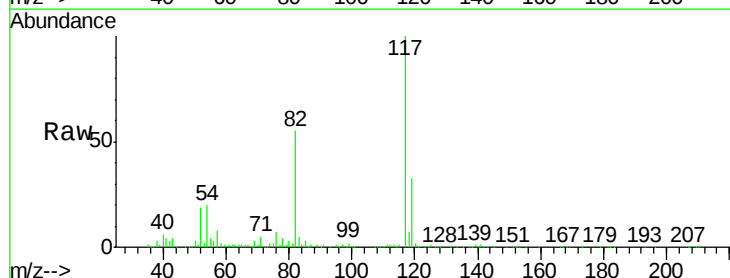
Tgt Ion: 117 Resp: 137006

Ion Ratio Lower Upper

117 100

82 54.9 44.3 66.5

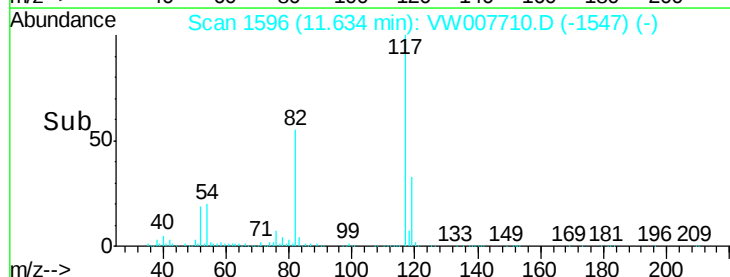
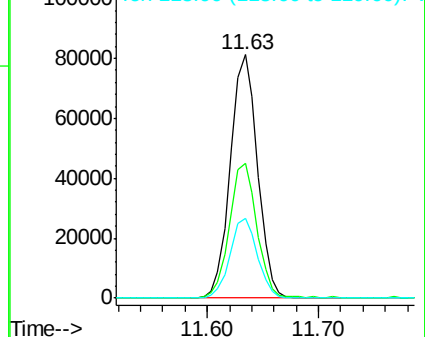
119 32.6 25.7 38.5

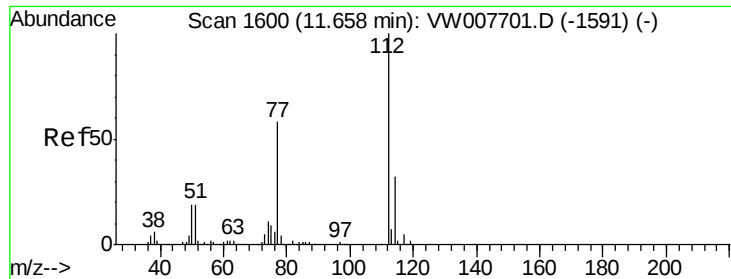


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW

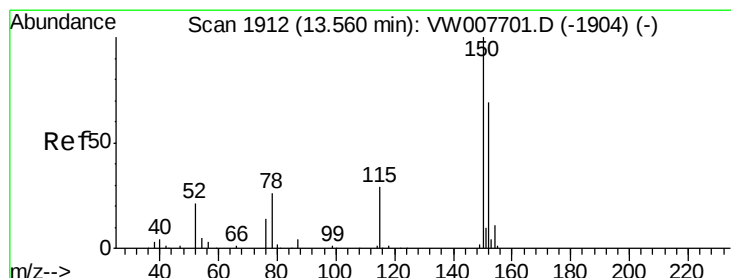
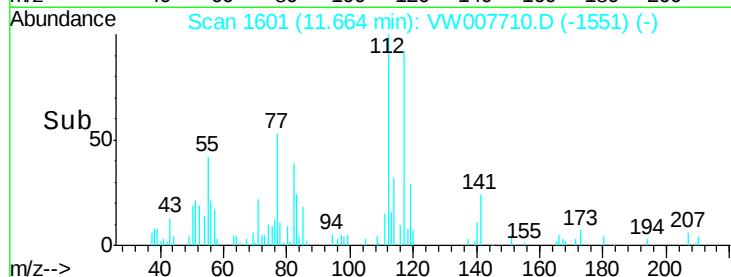
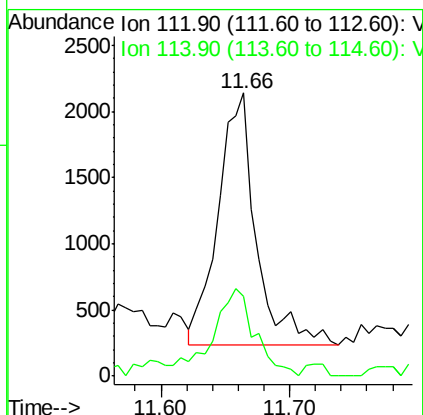
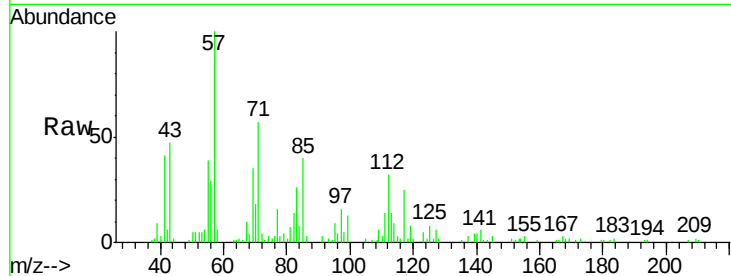




#65
Chlorobenzene
Concen: 1.324 ug/l
RT: 11.66 min Scan# 1601
Delta R.T. 0.01 min
Lab File: VW007710.D
Acq: 19 Dec 2018 20:02

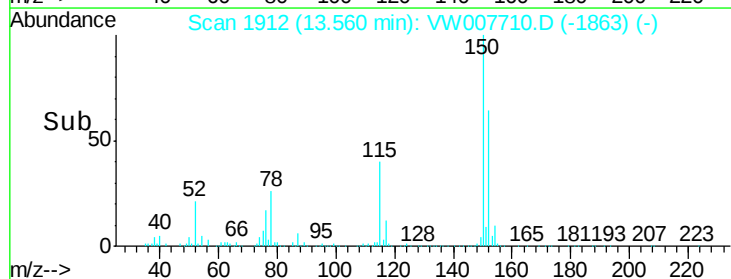
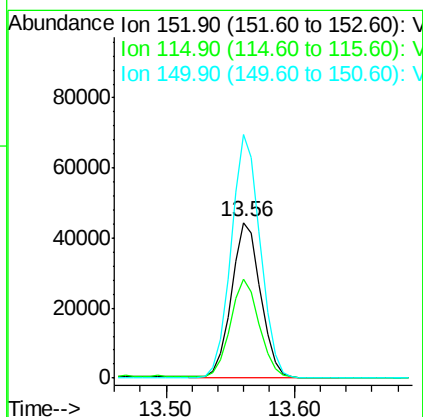
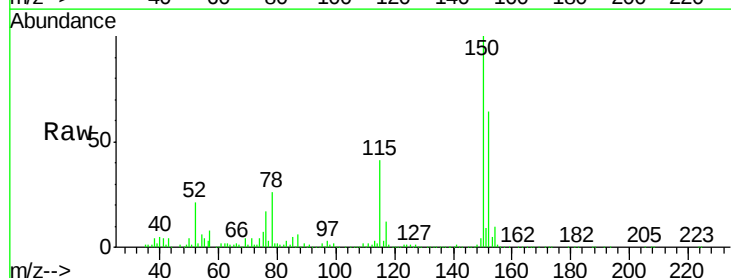
Instrument :
MSVOA_W
ClientSampleId :
KY001SB102-121118-(7-9)

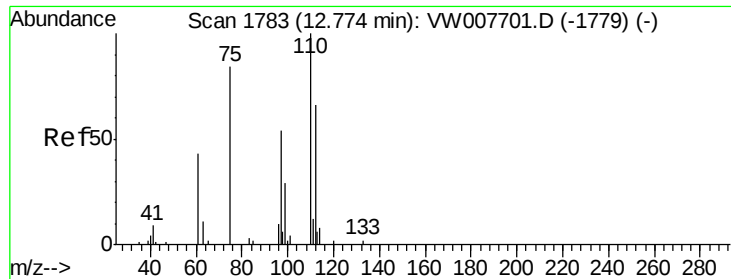
Tgt Ion:112 Resp: 3925
Ion Ratio Lower Upper
112 100
114 31.7 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW007710.D
Acq: 19 Dec 2018 20:02

Tgt Ion:152 Resp: 69976
Ion Ratio Lower Upper
152 100
115 62.6 31.8 95.4
150 156.5 0.0 350.8





#76

1,2,3-Trichloropropane

Concen: 53.089 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW007710.D

Acq: 19 Dec 2018 20:02

Instrument :

MSVOA_W

ClientSampleId :

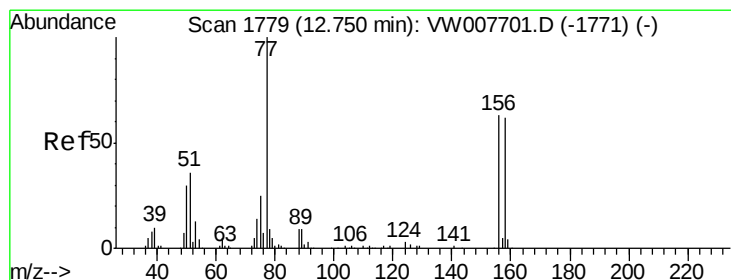
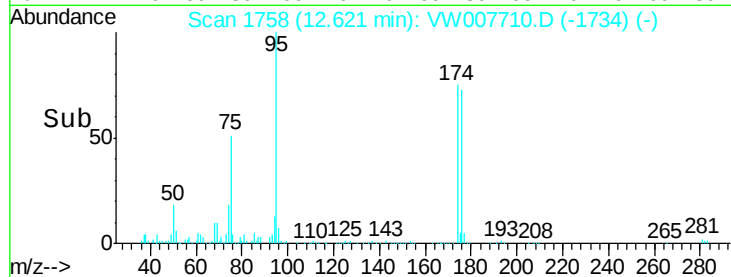
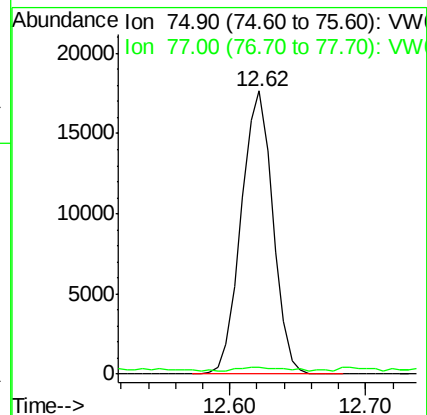
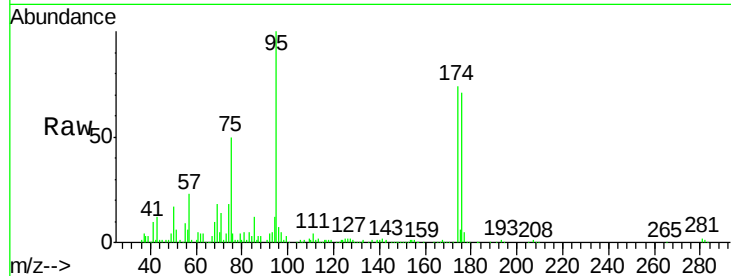
KY001SB102-121118-(7-9)

Tgt Ion: 75 Resp: 28713

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



#77

Bromobenzene

Concen: 19.594 ug/l

RT: 12.94 min Scan# 1810

Delta R.T. 0.19 min

Lab File: VW007710.D

Acq: 19 Dec 2018 20:02

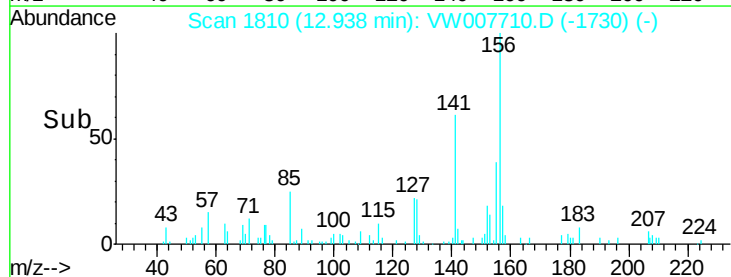
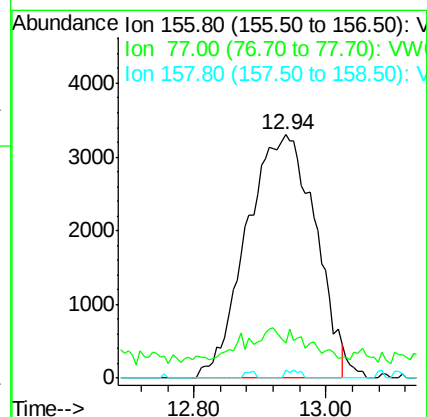
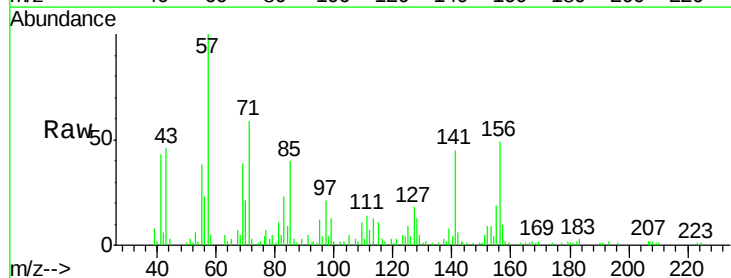
Tgt Ion: 156 Resp: 23752

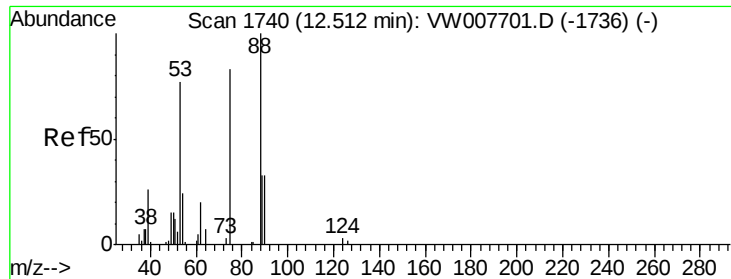
Ion Ratio Lower Upper

156 100

77 0.0 87.4 262.1#

158 0.7 48.4 145.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 111.437 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW007710.D

Acq: 19 Dec 2018 20:02

Instrument :

MSVOA_W

ClientSampleId :

KY001SB102-121118-(7-9)

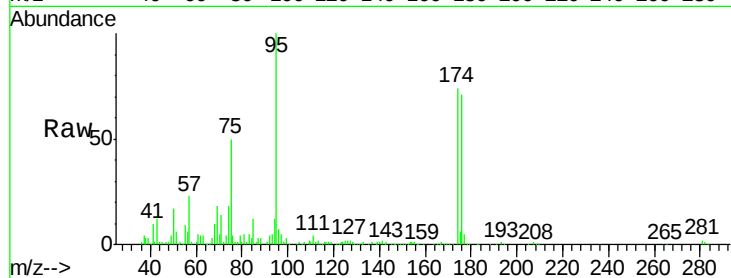
Tgt Ion: 75 Resp: 28713

Ion Ratio Lower Upper

75 100

53 0.0 80.2 120.2#

89 0.0 39.2 58.8#



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

