

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW122118\
 Data File : VW007730.D
 Acq On : 20 Dec 2018 06:49
 Operator : SY/AP
 Sample : J6379-06RE
 Misc : 5.20G/5ML/MSVOA_W/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS004-0006-01RE

Quant Time: Dec 20 07:54:53 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	54531	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	89375	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	60229	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	15842	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	33506	56.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.12%	
35) Dibromofluoromethane	7.88	113	28620	52.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.98%	
50) Toluene-d8	10.32	98	79816	38.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	77.66%	
62) 4-Bromofluorobenzene	12.62	95	20267	25.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	51.04%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.18	59	93	2.307	ug/l #	73
16) Acetone	4.13	43	437	3.905	ug/l #	48
20) Methylene Chloride	4.92	84	2790	Below Cal		91
31) Cyclohexane	7.95	56	1056	1.187	ug/l #	44
36) 1,1-Dichloropropene	7.95	75	4184	4.850	ug/l #	51
38) Carbon Tetrachloride	7.95	117	5922	5.829	ug/l #	15
40) Benzene	8.32	78	2384	1.036	ug/l	92
52) Toluene	10.39	92	1666	1.079	ug/l	97
76) 1,2,3-Trichloropropane	12.62	75	10471	85.517	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	10471	179.506	ug/l #	9

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW007730.D

Acq: 20 Dec 2018 06:49

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MSVOA_W

ClientSampleId :

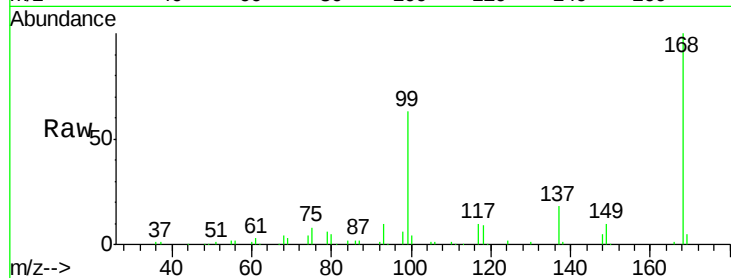
P001-SS004-0006-01RE

Tgt Ion:168 Resp: 54531

Ion Ratio Lower Upper

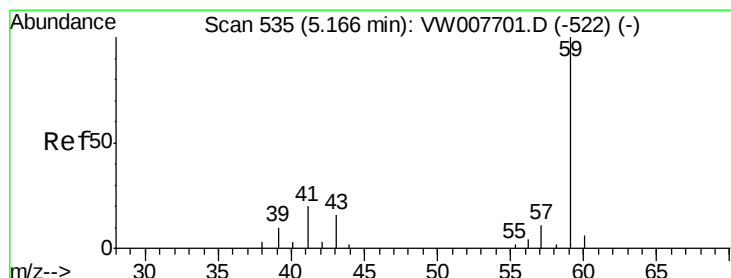
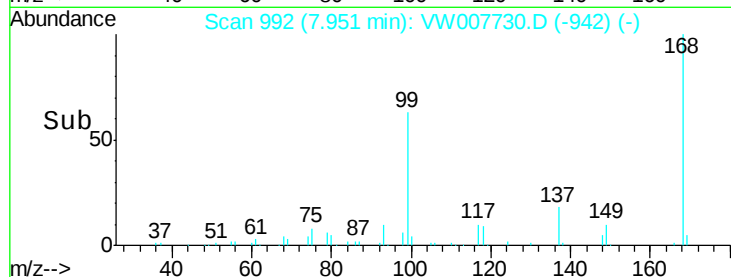
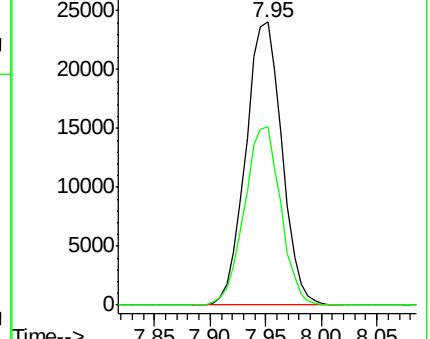
168 100

99 63.1 54.0 81.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 2.307 ug/l

RT: 5.18 min Scan# 537

Delta R.T. 0.01 min

Lab File: VW007730.D

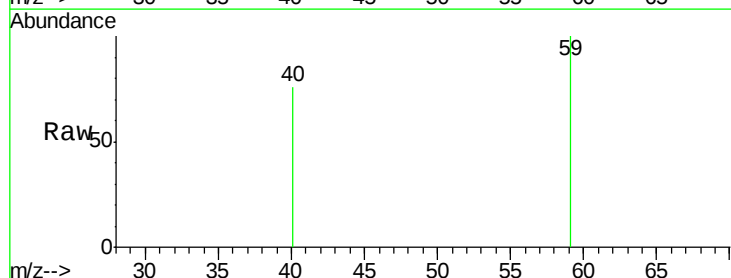
Acq: 20 Dec 2018 06:49

Tgt Ion: 59 Resp: 93

Ion Ratio Lower Upper

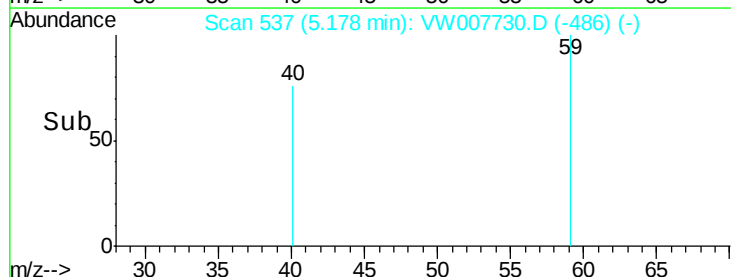
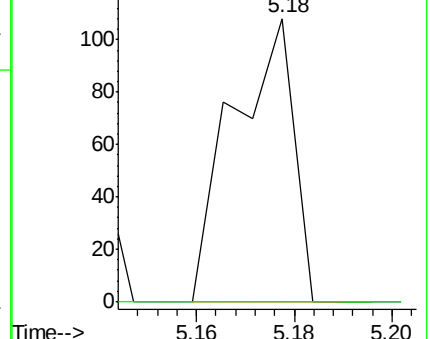
59 100

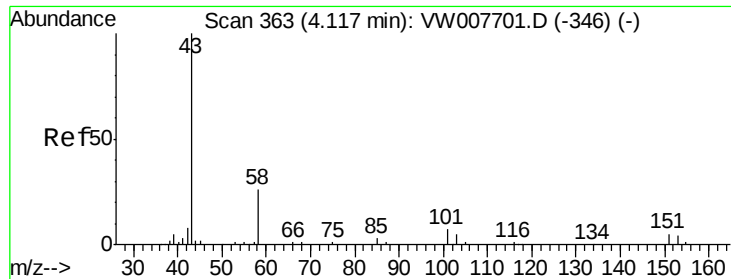
57 0.0 7.8 11.8#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 3.905 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW007730.D

Acq: 20 Dec 2018 06:49

Instrument :

MSVOA_W

ClientSampleId :

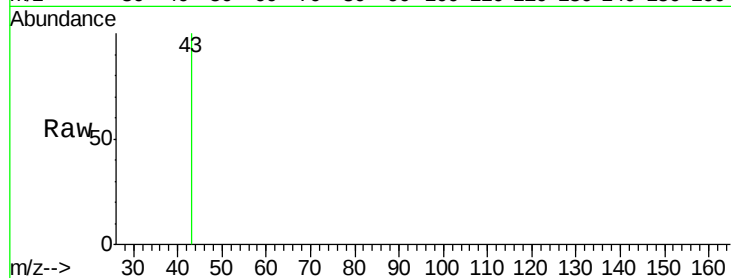
P001-SS004-0006-01RE

Tgt Ion: 43 Resp: 437

Ion Ratio Lower Upper

43 100

58 0.0 21.2 31.8#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.13

200

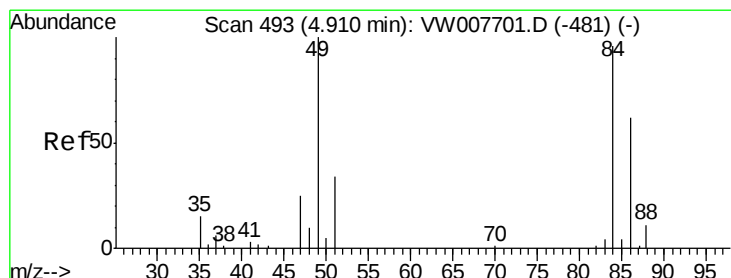
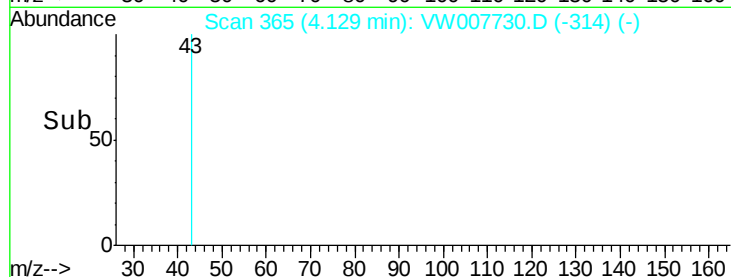
150

100

50

0

Time--> 4.05 4.10 4.15



#20

Methylene Chloride

Concen: Below Cal

RT: 4.92 min Scan# 494

Delta R.T. 0.01 min

Lab File: VW007730.D

Acq: 20 Dec 2018 06:49

Tgt Ion: 84 Resp: 2790

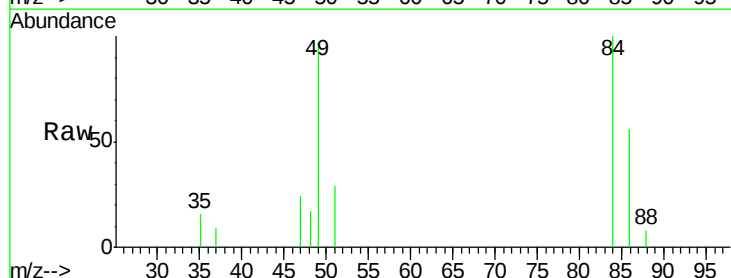
Ion Ratio Lower Upper

84 100

49 97.2 83.7 125.5

51 29.2 28.2 42.2

86 55.8 52.2 78.2



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

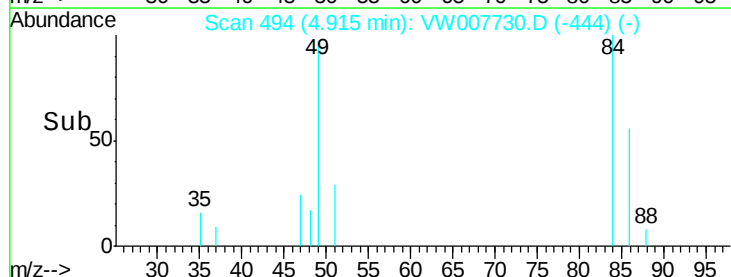
1500

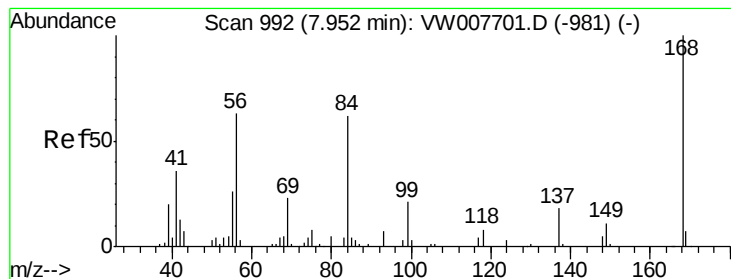
1000

500

0

Time--> 4.80 4.85 4.90 4.95 5.00





#31

Cyclohexane

Concen: 1.187 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW007730.D

Acq: 20 Dec 2018 06:49

Instrument :

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P001-SS004-0006-01RE

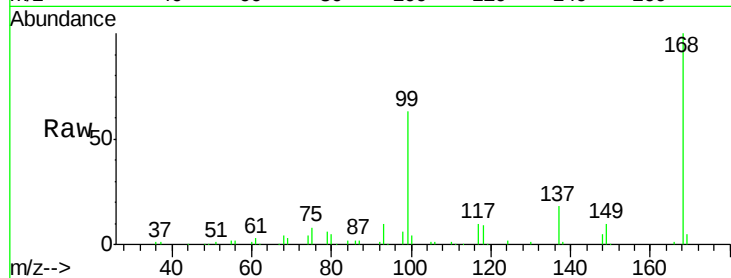
Tgt Ion: 56 Resp: 1056

Ion Ratio Lower Upper

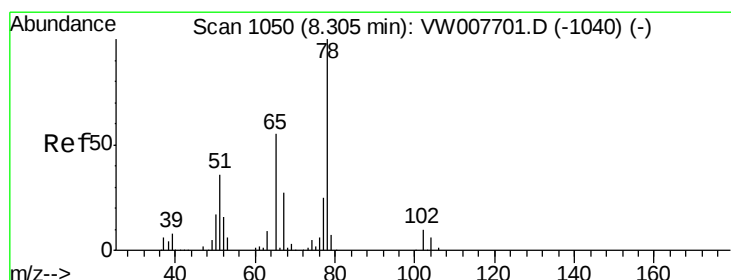
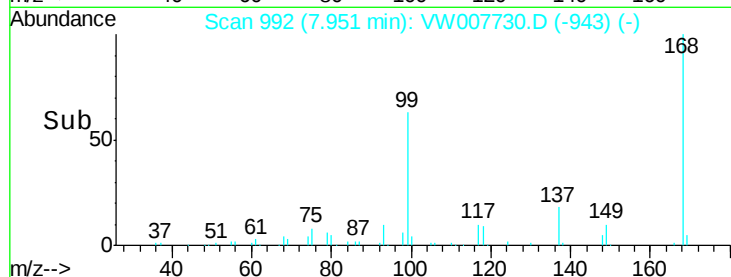
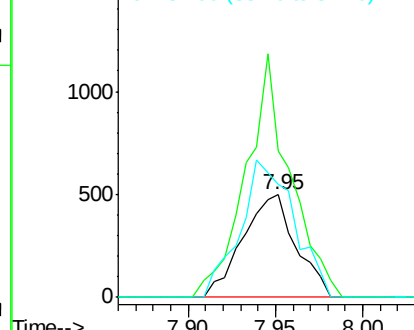
56 100

69 142.5 29.7 44.5#

84 109.6 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: 56.060 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW007730.D

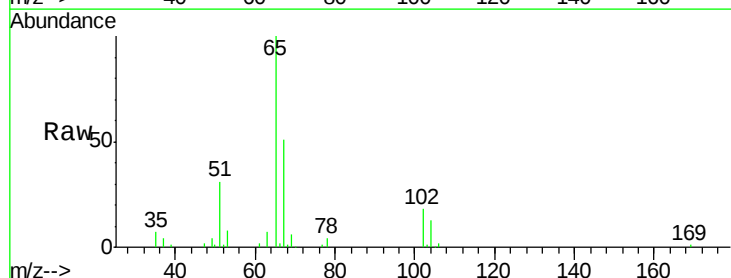
Acq: 20 Dec 2018 06:49

Tgt Ion: 65 Resp: 33506

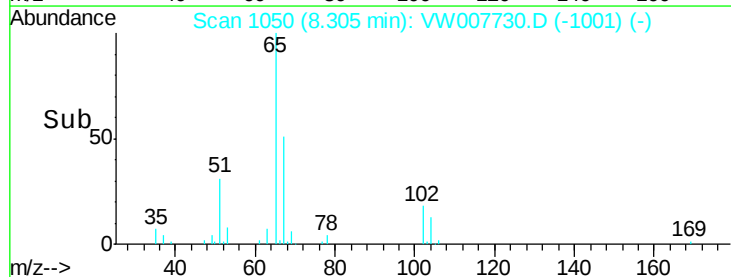
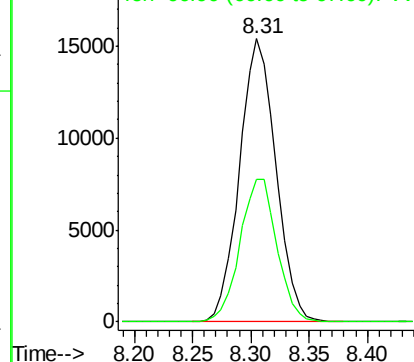
Ion Ratio Lower Upper

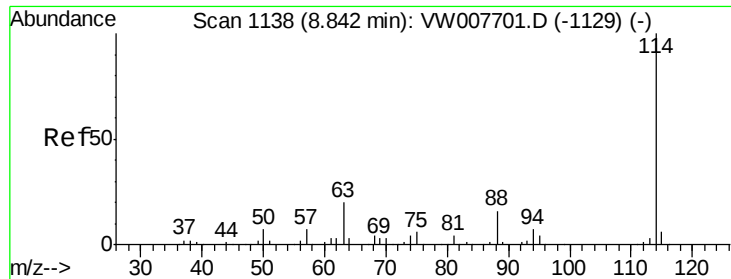
65 100

67 51.2 0.0 100.6



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

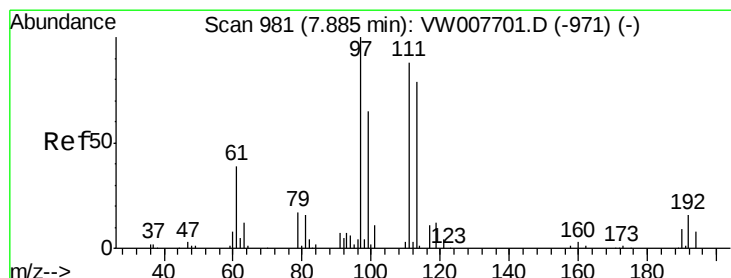
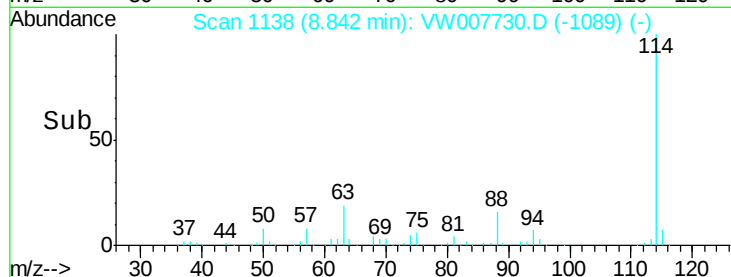
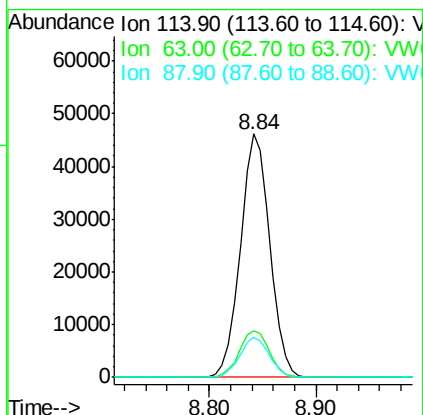
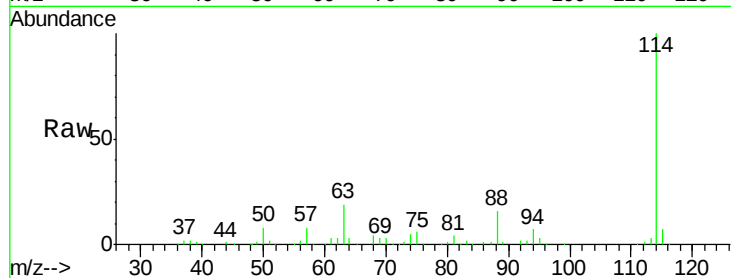




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW007730.D
 Acq: 20 Dec 2018 06:49

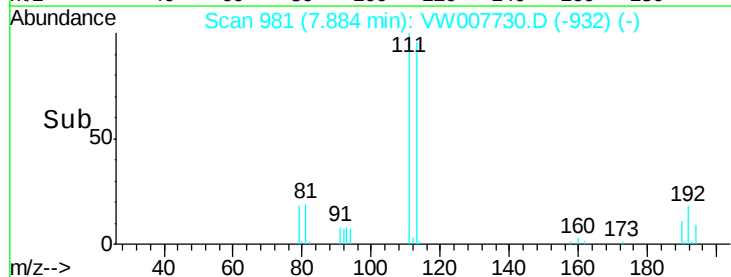
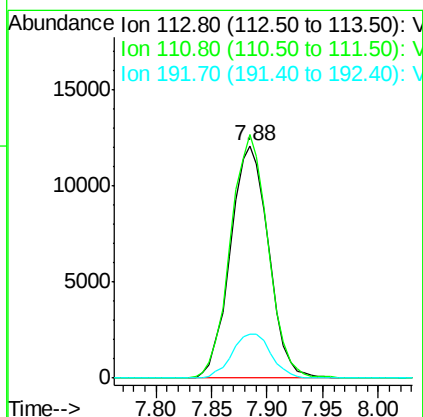
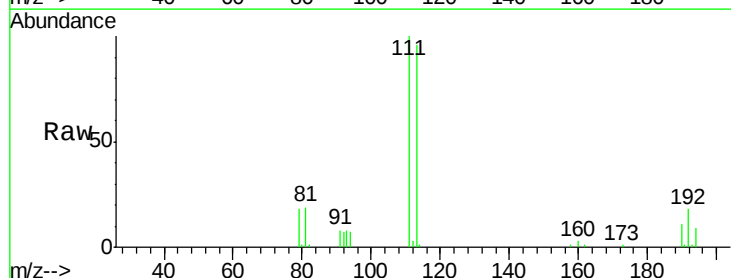
Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS004-0006-01RE

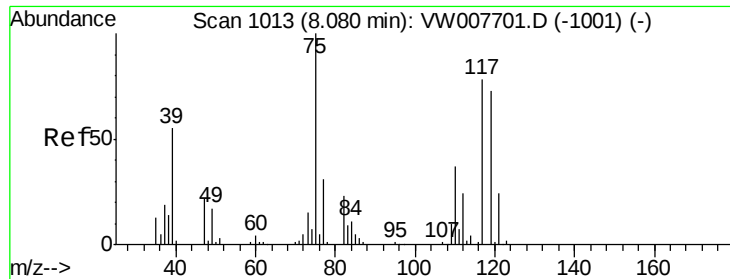
Tgt Ion:114 Resp: 89375
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 40.0
 88 16.3 0.0 32.6



#35
 Dibromofluoromethane
 Concen: 52.491 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW007730.D
 Acq: 20 Dec 2018 06:49

Tgt Ion:113 Resp: 28620
 Ion Ratio Lower Upper
 113 100
 111 103.4 82.6 124.0
 192 19.3 15.5 23.3

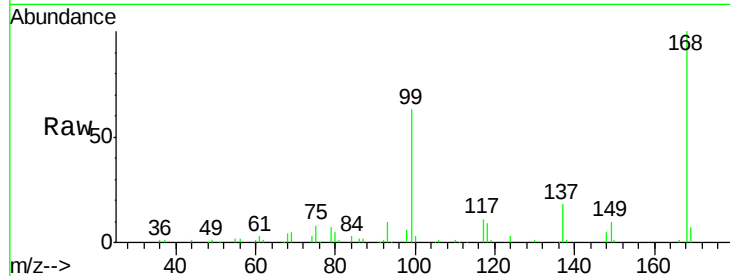




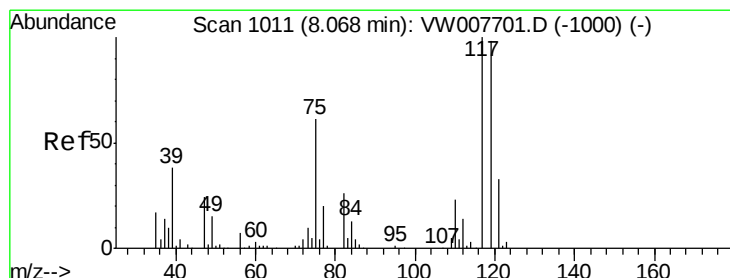
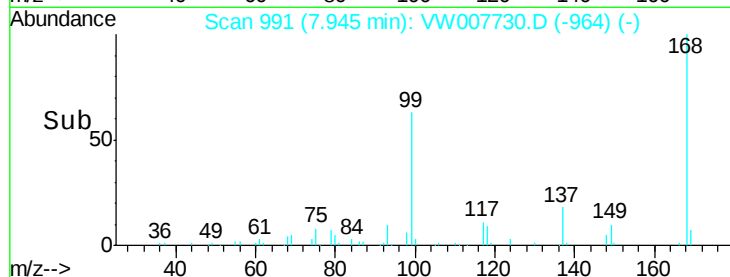
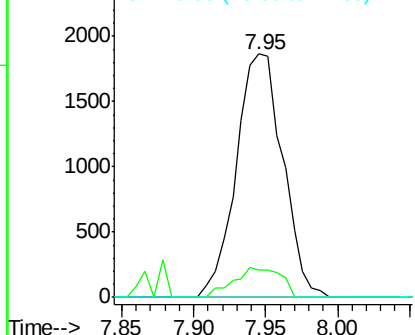
#36
 1,1-Dichloropropene
 Concen: 4.850 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW007730.D
 Acq: 20 Dec 2018 06:49

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS004-0006-01RE

Tgt Ion: 75 Resp: 4184
 Ion Ratio Lower Upper
 75 100
 110 12.2 18.6 55.8#
 77 0.0 25.0 37.4#

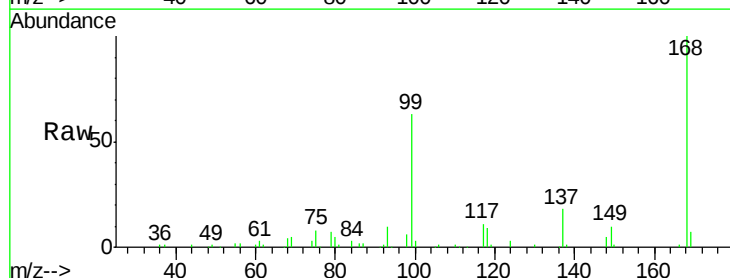


Abundance Ion 74.90 (74.60 to 75.60): VW
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VW

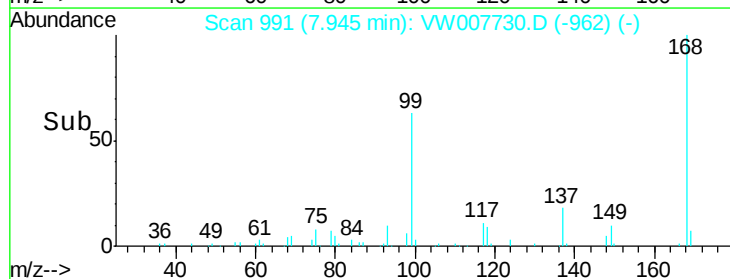
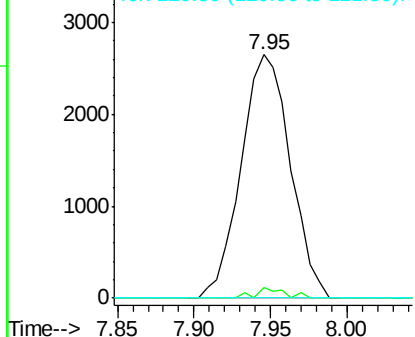


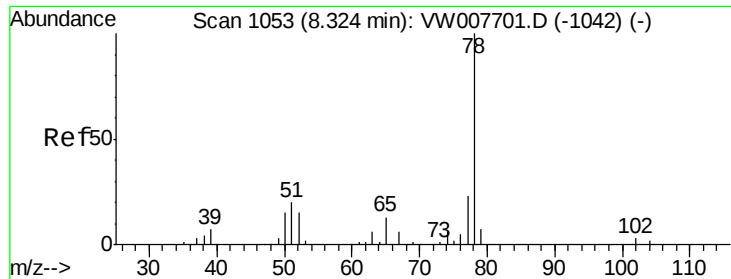
#38
 Carbon Tetrachloride
 Concen: 5.829 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW007730.D
 Acq: 20 Dec 2018 06:49

Tgt Ion: 117 Resp: 5922
 Ion Ratio Lower Upper
 117 100
 119 4.5 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





#40

Benzene

Concen: 1.036 ug/l

RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VW007730.D

Acq: 20 Dec 2018 06:49

Instrument :

MSVOA_W

ClientSampleId :

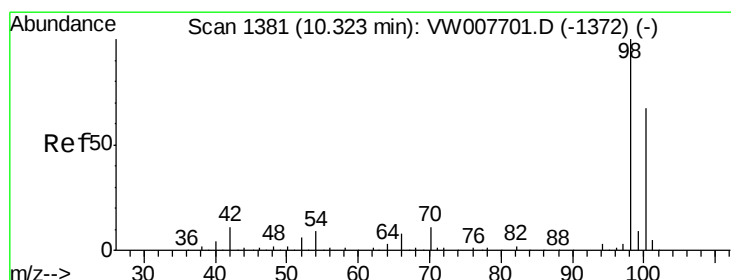
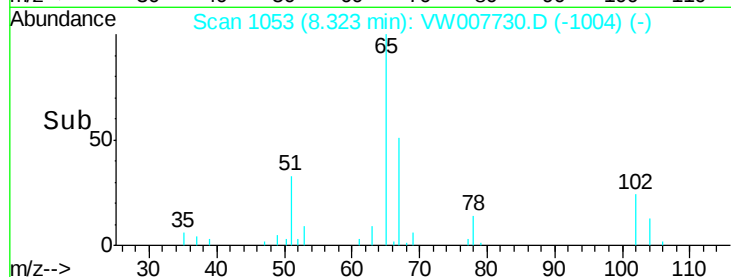
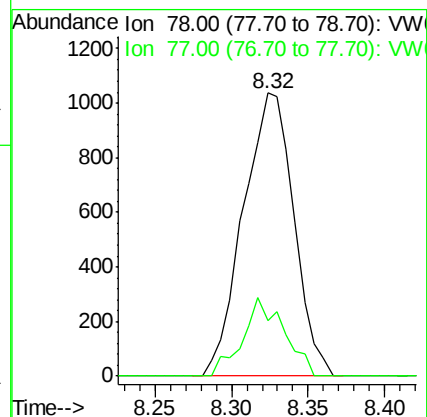
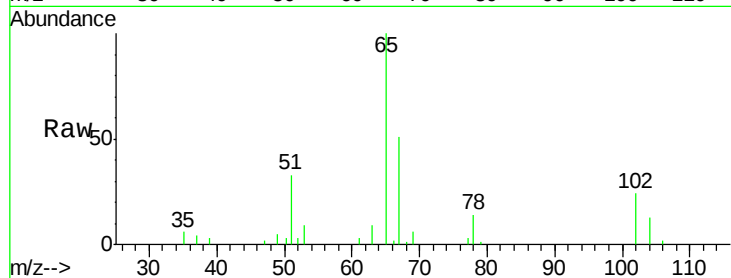
P001-SS004-0006-01RE

Tgt Ion: 78 Resp: 2384

Ion Ratio Lower Upper

78 100

77 19.7 18.7 28.1



#50

Toluene-d8

Concen: 38.831 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW007730.D

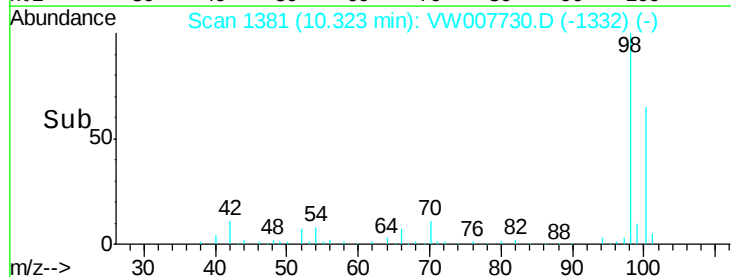
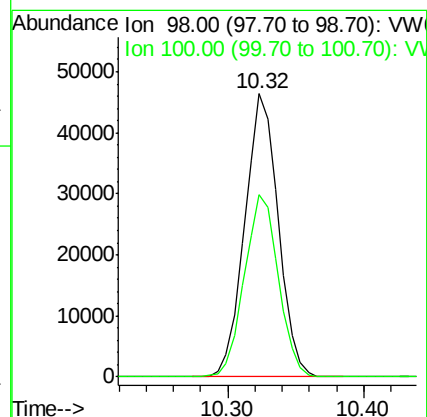
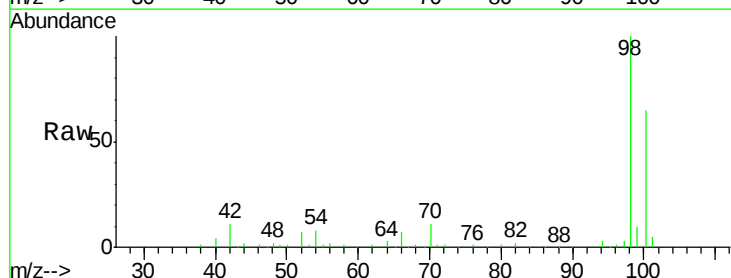
Acq: 20 Dec 2018 06:49

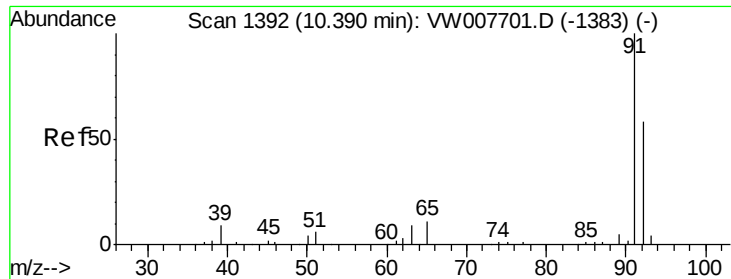
Tgt Ion: 98 Resp: 79816

Ion Ratio Lower Upper

98 100

100 65.4 52.2 78.2





#52

Toluene

Concen: 1.079 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW007730.D

Acq: 20 Dec 2018 06:49

Instrument :

MSVOA_W

ClientSampleId :

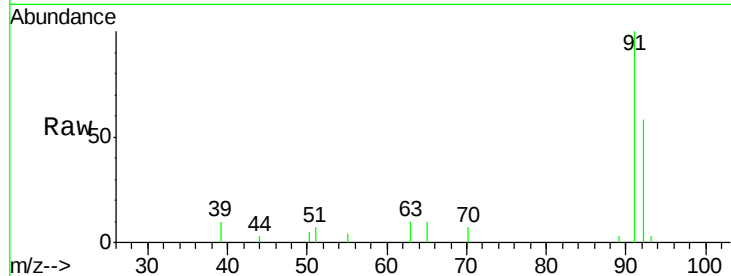
P001-SS004-0006-01RE

Tgt Ion: 92 Resp: 1666

Ion Ratio Lower Upper

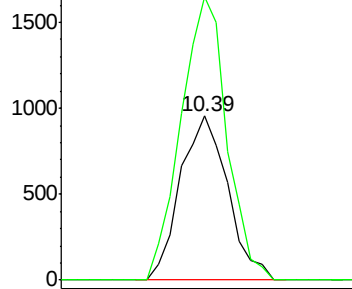
92 100

91 166.4 137.0 205.4

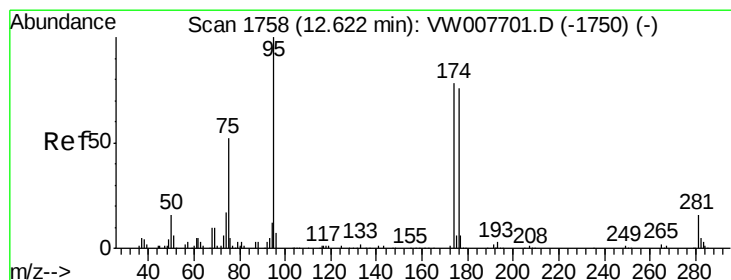
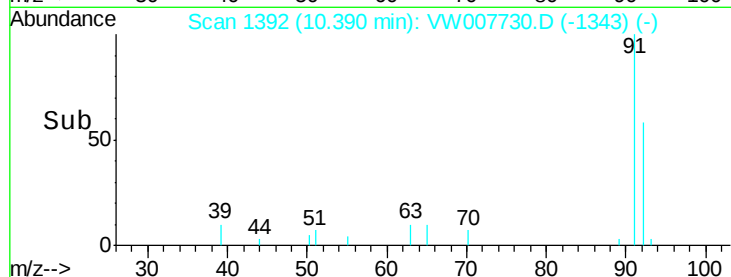


Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW



Time-->



#62

4-Bromofluorobenzene

Concen: 25.523 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW007730.D

Acq: 20 Dec 2018 06:49

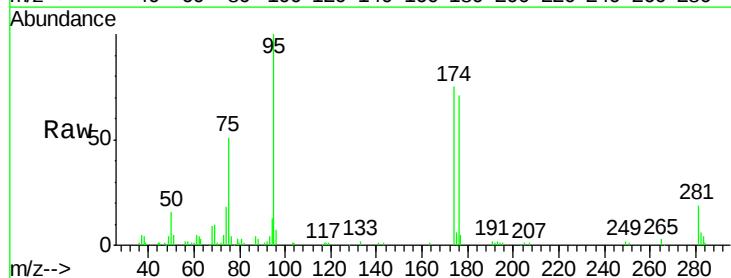
Tgt Ion: 95 Resp: 20267

Ion Ratio Lower Upper

95 100

174 78.0 0.0 152.2

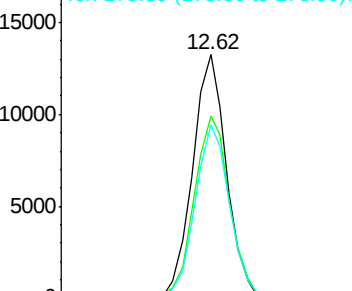
176 72.8 0.0 146.8



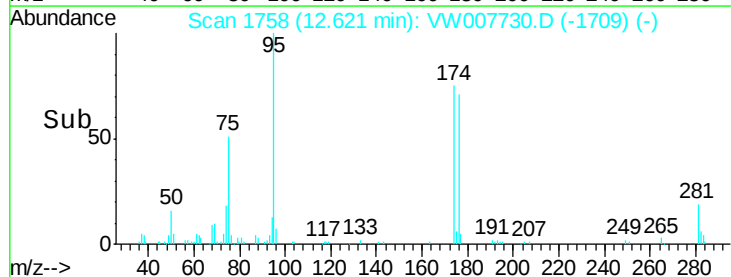
Abundance Ion 94.90 (94.60 to 95.60): VW

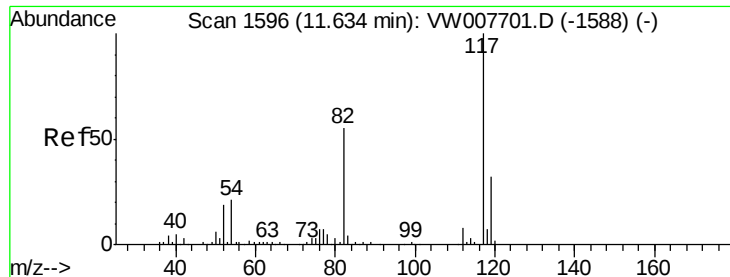
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time-->

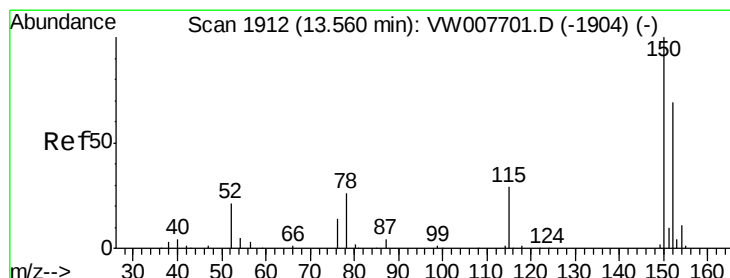
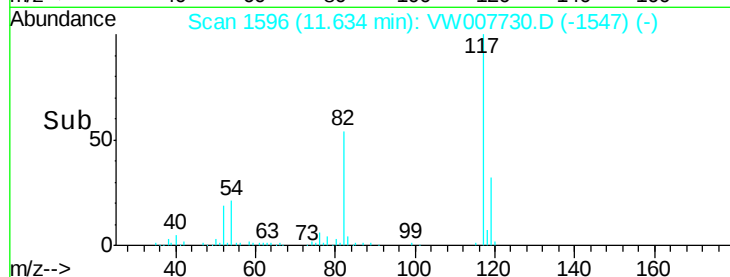
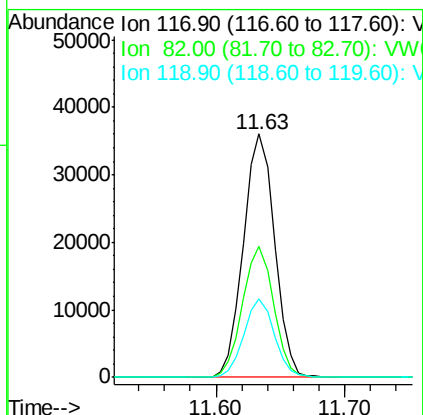
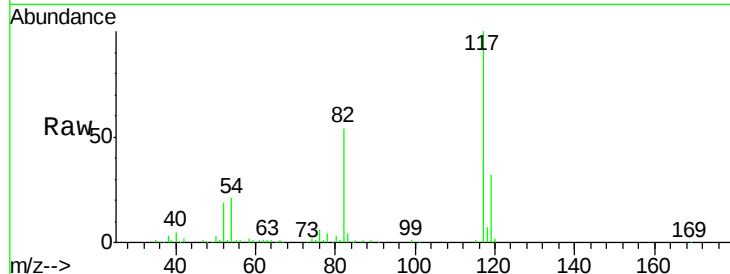




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007730.D
Acq: 20 Dec 2018 06:49

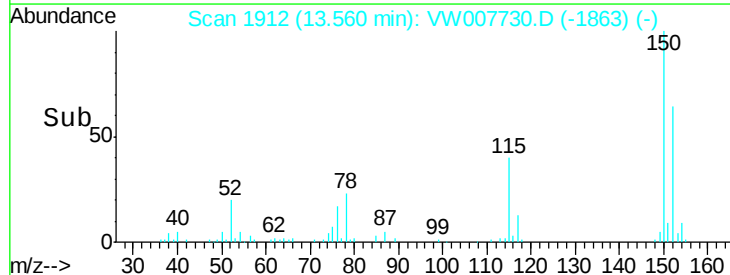
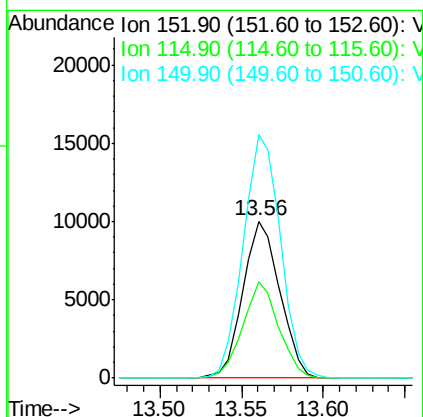
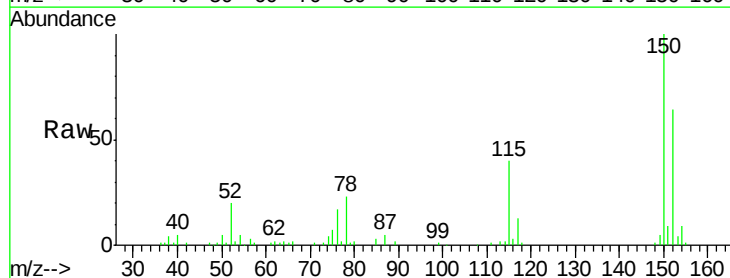
Instrument :
MSVOA_W
ClientSampleId :
P001-SS004-0006-01RE

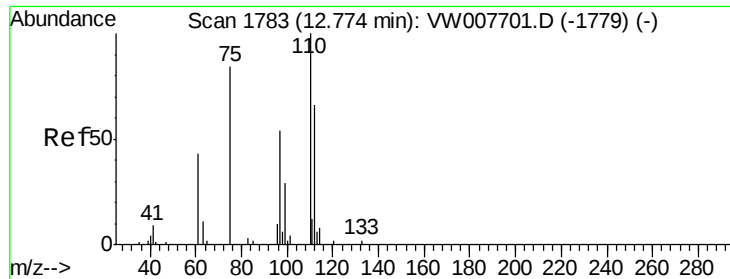
Tgt Ion:117 Resp: 60229
Ion Ratio Lower Upper
117 100
82 54.0 44.3 66.5
119 31.9 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW007730.D
Acq: 20 Dec 2018 06:49

Tgt Ion:152 Resp: 15842
Ion Ratio Lower Upper
152 100
115 59.8 31.8 95.4
150 156.5 0.0 350.8





#76

1,2,3-Trichloropropane

Concen: 85.517 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW007730.D

Acq: 20 Dec 2018 06:49

Instrument :

MSVOA_W

ClientSampleId :

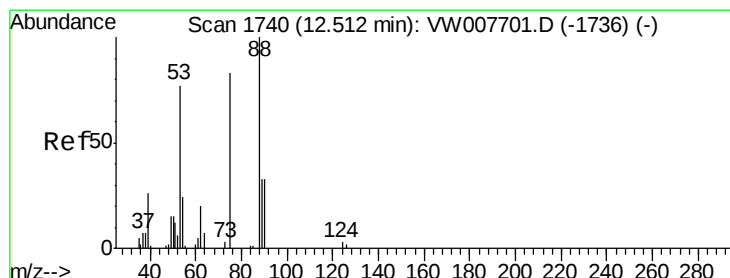
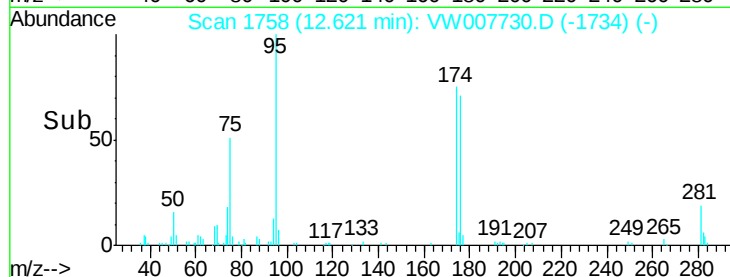
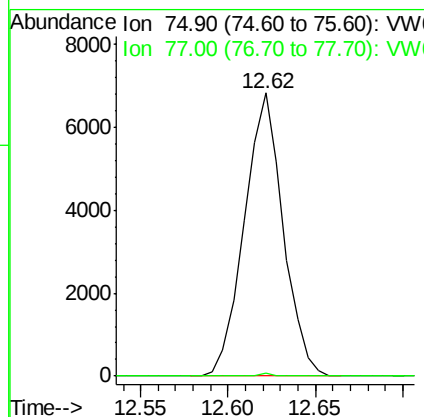
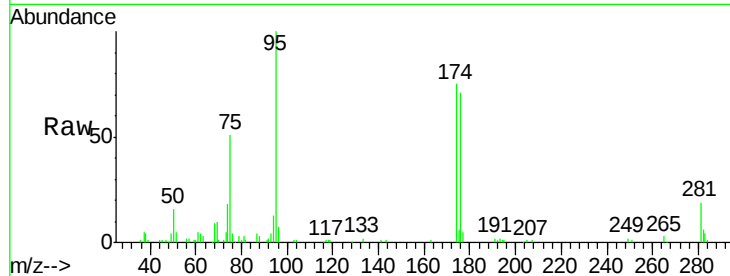
P001-SS004-0006-01RE

Tgt Ion: 75 Resp: 10471

Ion Ratio Lower Upper

75 100

77 0.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 179.506 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW007730.D

Acq: 20 Dec 2018 06:49

Tgt Ion: 75 Resp: 10471

Ion Ratio Lower Upper

75 100

53 0.0 80.2 120.2#

89 0.0 39.2 58.8#

