

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW101218\
 Data File : VW006023.D
 Acq On : 11 Oct 2018 11:10
 Operator : VA/AP
 Sample : VW1012SBL01
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1012SBL01

Quant Time: Oct 11 15:46:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100818S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 09 02:14:04 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	245637	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	354424	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	318096	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	171258	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	108062	45.32	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.64%	
35) Dibromofluoromethane	7.88	113	110251	48.72	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.44%	
50) Toluene-d8	10.32	98	421466	48.41	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.82%	
62) 4-Bromofluorobenzene	12.62	95	152105	45.92	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.84%	

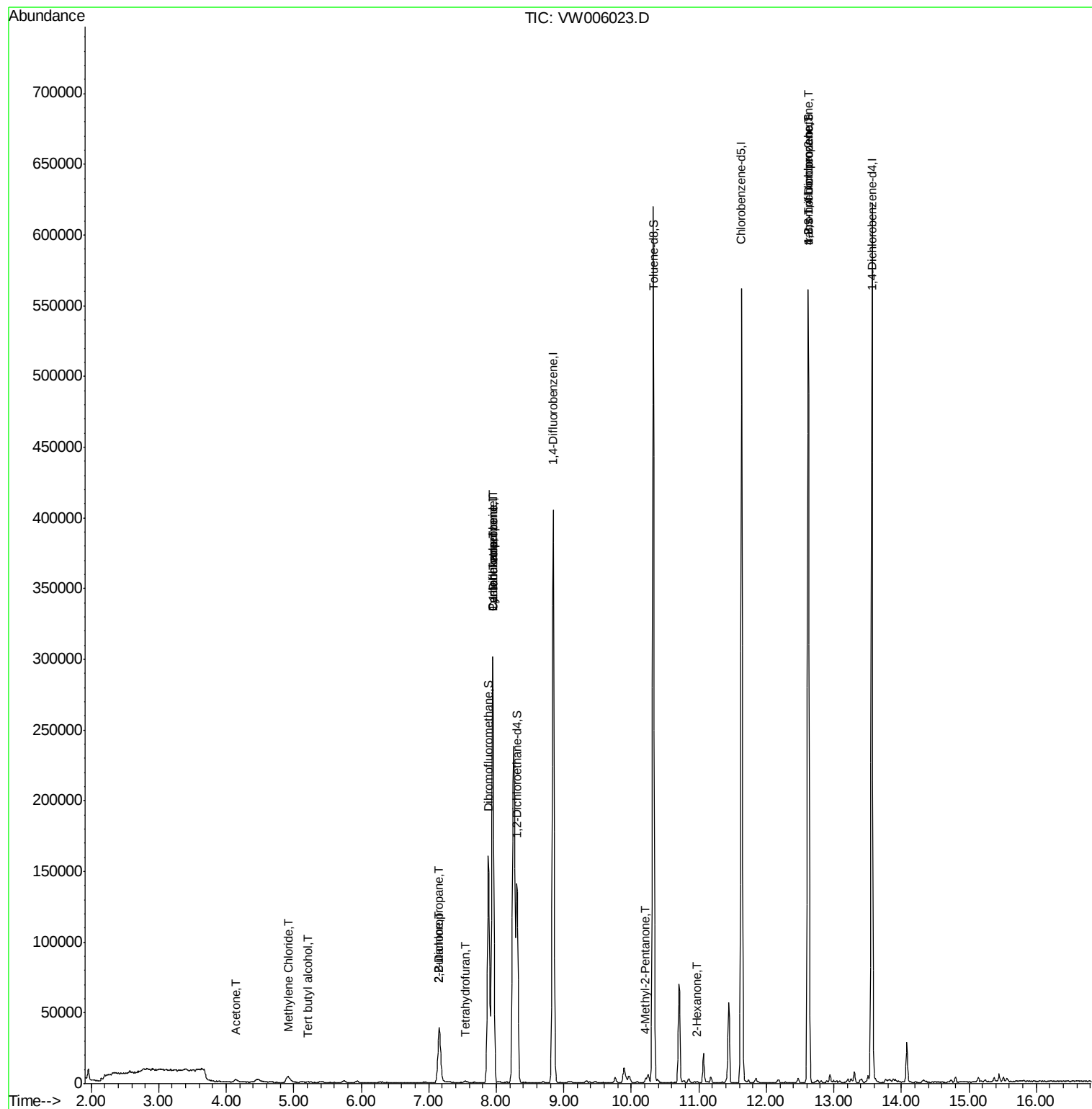
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.21	59	416	2.38	ug/l #	74
16) Acetone	4.14	43	4739	9.95	ug/l	97
20) Methylene Chloride	4.92	84	3650	1.53	ug/l #	84
25) 2-Butanone	7.16	43	2799	4.13	ug/l #	77
26) 2,2-Dichloropropane	7.15	77	3086	1.04	ug/l #	52
29) Tetrahydrofuran	7.54	42	707	1.65	ug/l #	82
31) Cyclohexane	7.95	56	4817	1.15	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	16340	4.81	ug/l #	49
38) Carbon Tetrachloride	7.95	117	22578	6.19	ug/l #	15
51) 4-Methyl-2-Pentanone	10.21	43	2885	1.97	ug/l	95
59) 2-Hexanone	10.97	43	1067	1.02	ug/l	83
76) 1,2,3-Trichloropropane	12.62	75	78459	51.29	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	78459	108.27	ug/l #	11

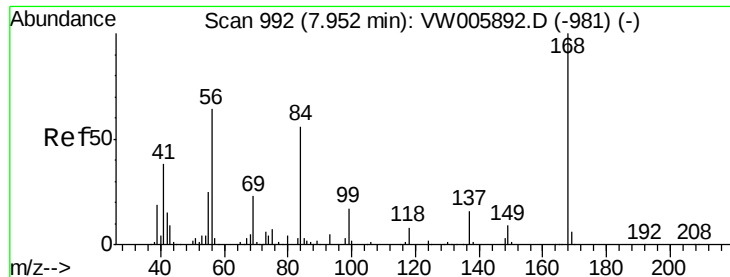
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Oct 09 02:14:04 2018
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW006023.D

Acq: 11 Oct 2018 11:10

Instrument :

MSVOA_W

ClientSampleId :

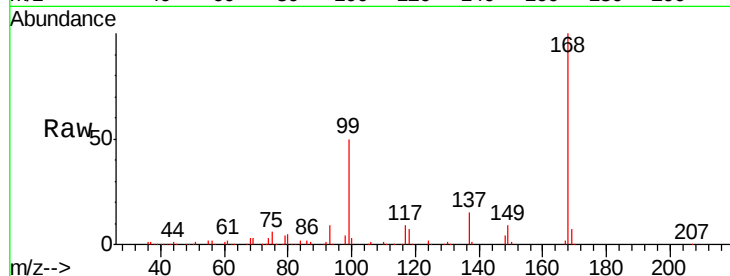
VW1012SBL01

Tgt Ion:168 Resp: 245637

Ion Ratio Lower Upper

168 100

99 50.5 40.9 61.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

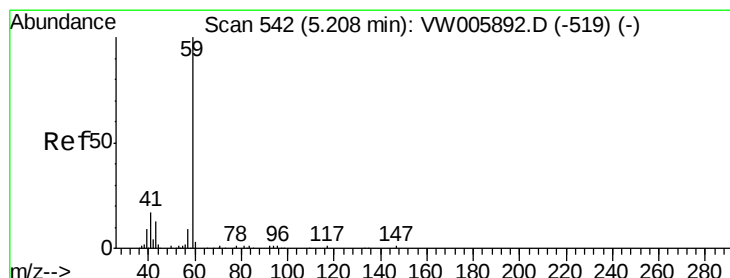
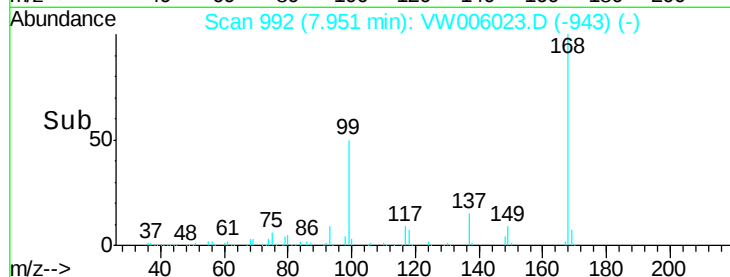
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: 2.38 ug/l

RT: 5.21 min Scan# 543

Delta R.T. 0.01 min

Lab File: VW006023.D

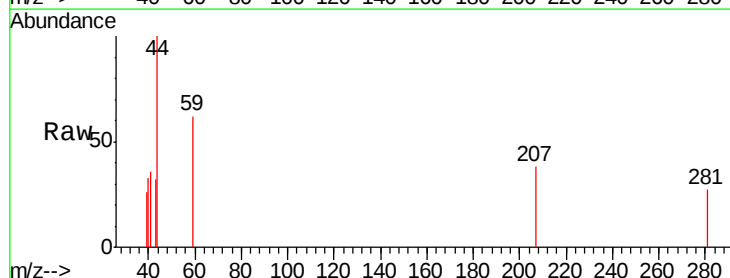
Acq: 11 Oct 2018 11:10

Tgt Ion: 59 Resp: 416

Ion Ratio Lower Upper

59 100

57 0.0 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

250

200

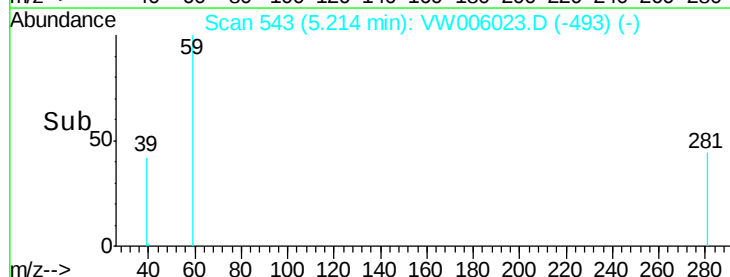
150

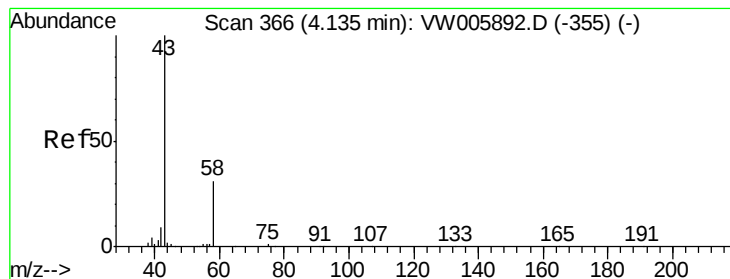
100

50

0

Time--> 5.15 5.20





#16

Acetone

Concen: 9.95 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.01 min

Lab File: VW006023.D

Acq: 11 Oct 2018 11:10

Instrument :

MSVOA_W

ClientSampleId :

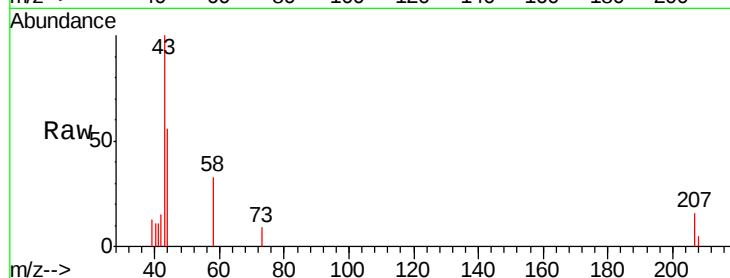
VW1012SBL01

Tgt Ion: 43 Resp: 4739

Ion Ratio Lower Upper

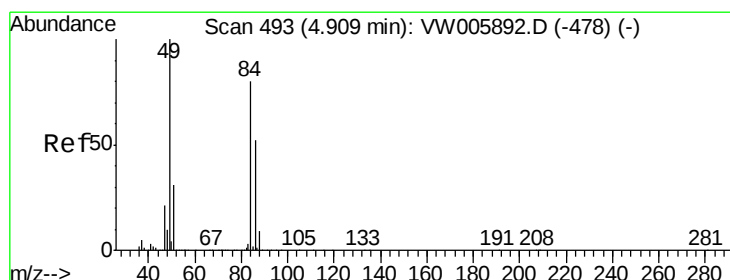
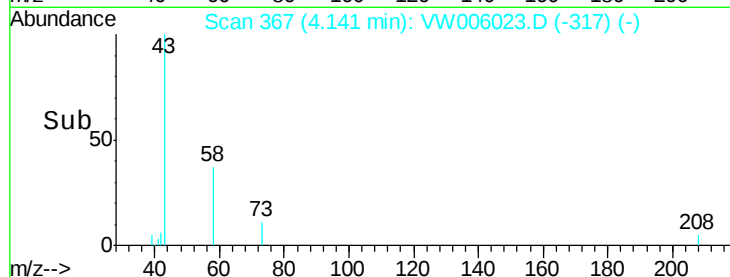
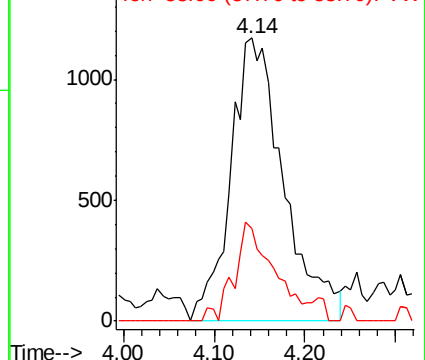
43 100

58 32.7 24.7 37.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#20

Methylene Chloride

Concen: 1.53 ug/l

RT: 4.92 min Scan# 494

Delta R.T. 0.01 min

Lab File: VW006023.D

Acq: 11 Oct 2018 11:10

Tgt Ion: 84 Resp: 3650

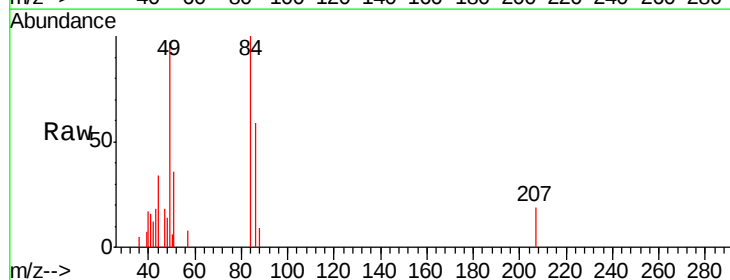
Ion Ratio Lower Upper

84 100

49 97.2 99.9 149.9#

51 35.9 31.1 46.7

86 58.7 51.8 77.6

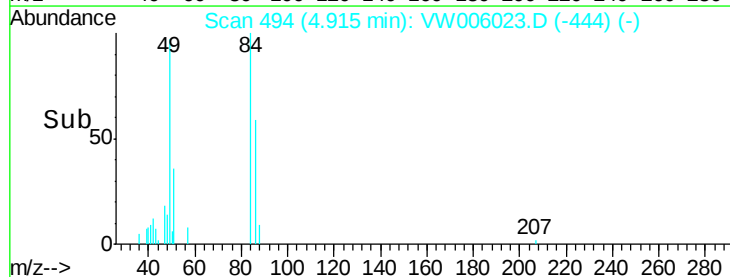
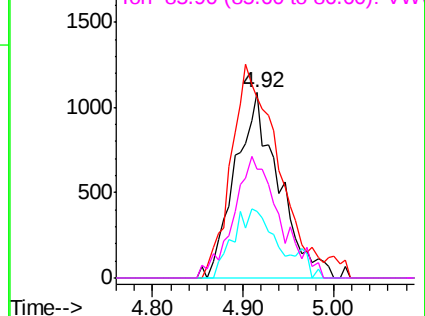


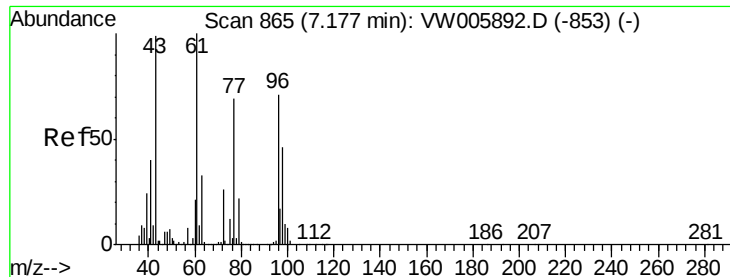
Abundance Ion 83.90 (83.60 to 84.60): VW

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





#25

2-Butanone

Concen: 4.13 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.02 min

Lab File: VW006023.D

Acq: 11 Oct 2018 11:10

Instrument :

MSVOA_W

ClientSampleId :

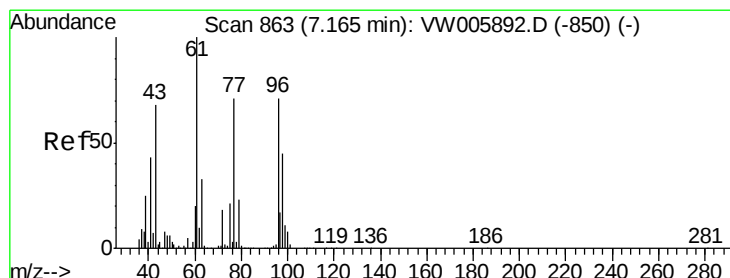
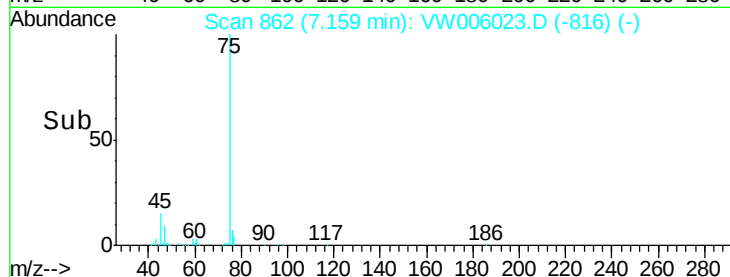
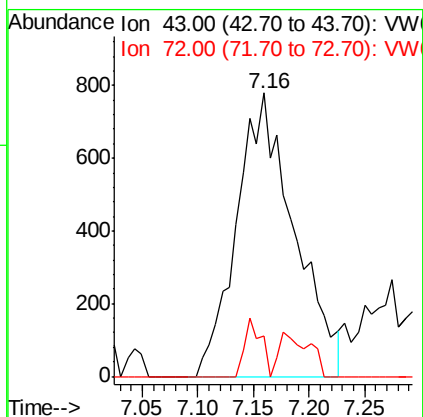
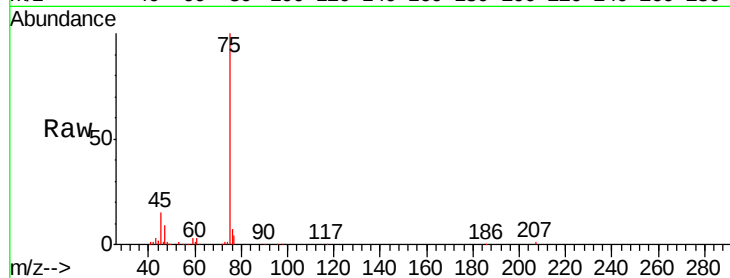
VW1012SBL01

Tgt Ion: 43 Resp: 2799

Ion Ratio Lower Upper

43 100

72 14.2 21.0 31.4#



#26

2,2-Dichloropropane

Concen: 1.04 ug/l

RT: 7.15 min Scan# 861

Delta R.T. -0.01 min

Lab File: VW006023.D

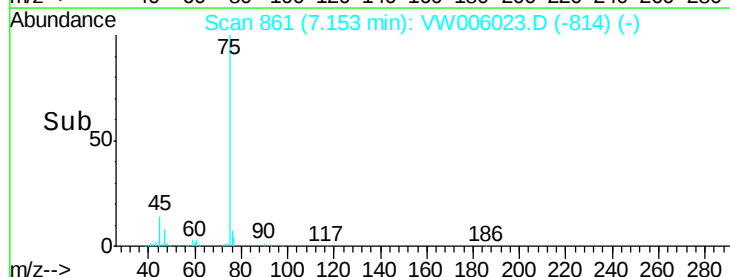
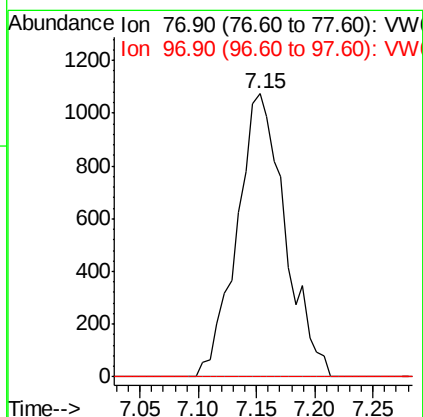
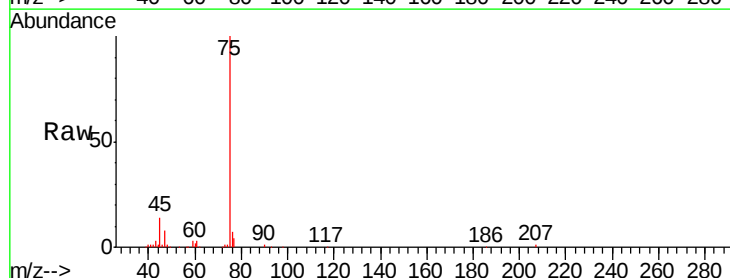
Acq: 11 Oct 2018 11:10

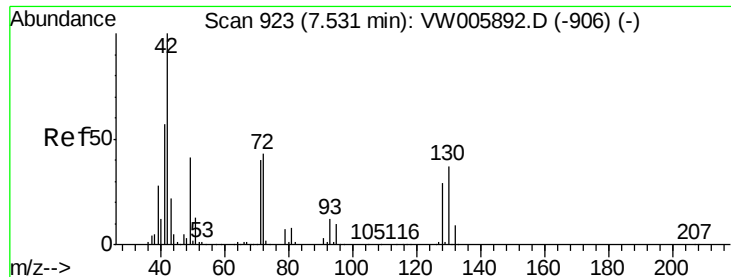
Tgt Ion: 77 Resp: 3086

Ion Ratio Lower Upper

77 100

97 0.0 11.9 35.7#

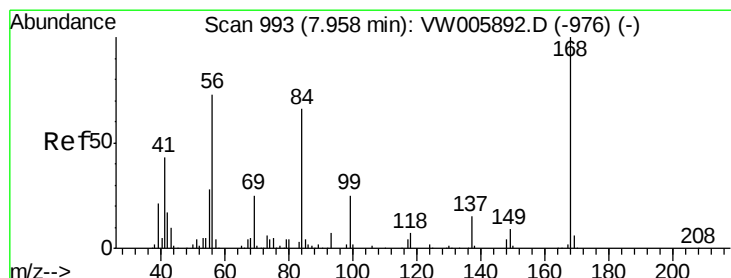
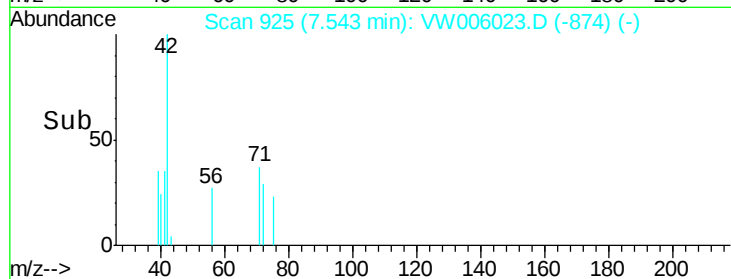
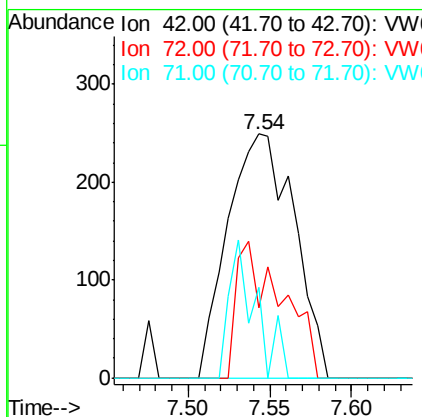
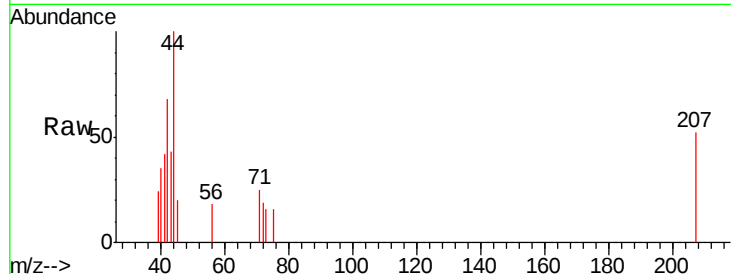




#29
Tetrahydrofuran
Concen: 1.65 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.01 min
Lab File: VW006023.D
Acq: 11 Oct 2018 11:10

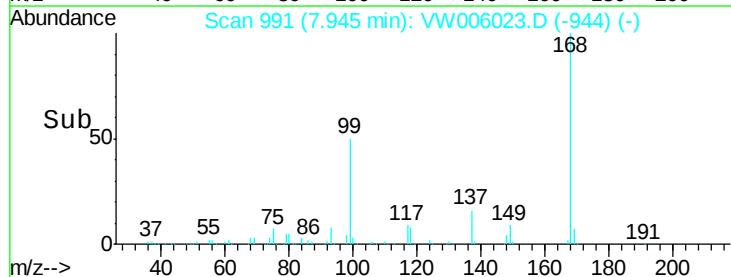
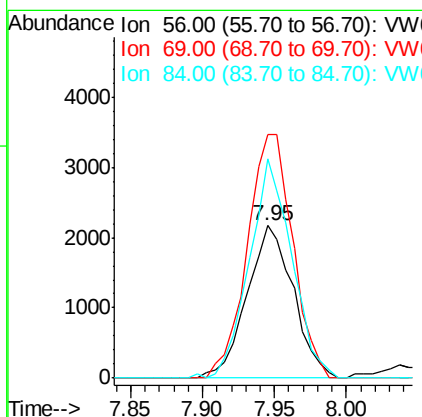
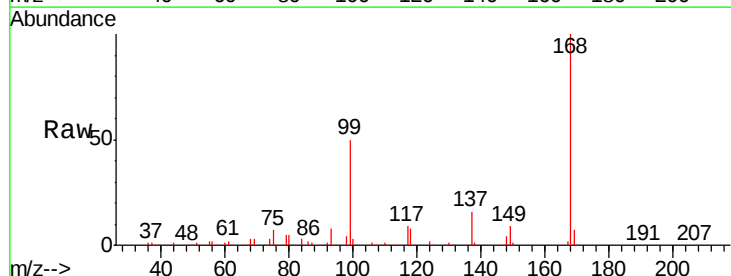
Instrument :
MSVOA_W
ClientSampleId :
VW1012SBL01

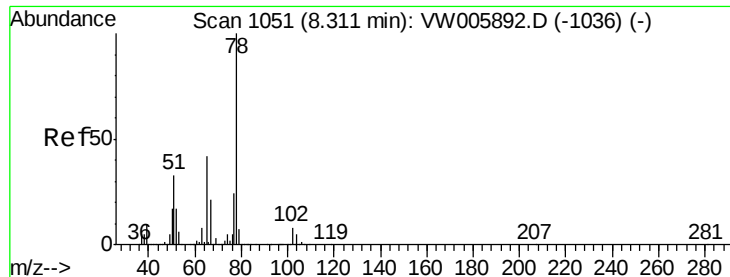
Tgt Ion: 42 Resp: 707
Ion Ratio Lower Upper
42 100
72 38.0 34.6 51.8
71 22.6 32.6 49.0#



#31
Cyclohexane
Concen: 1.15 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW006023.D
Acq: 11 Oct 2018 11:10

Tgt Ion: 56 Resp: 4817
Ion Ratio Lower Upper
56 100
69 160.0 27.9 41.9#
84 144.0 72.3 108.5#

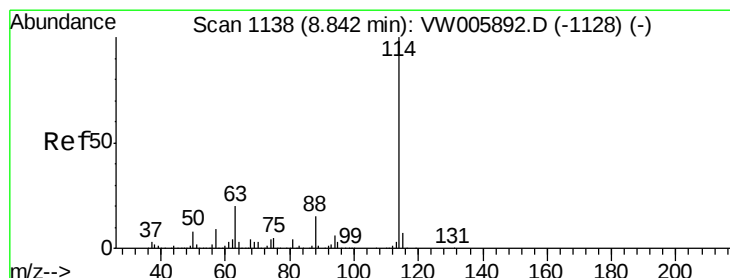
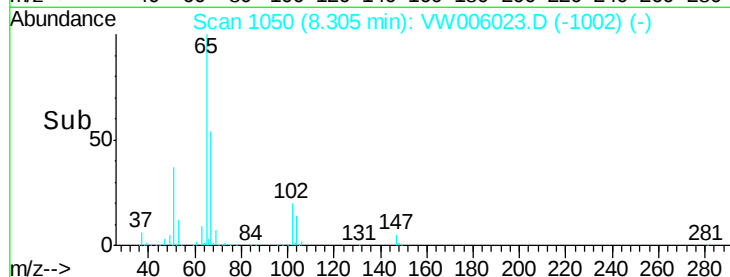
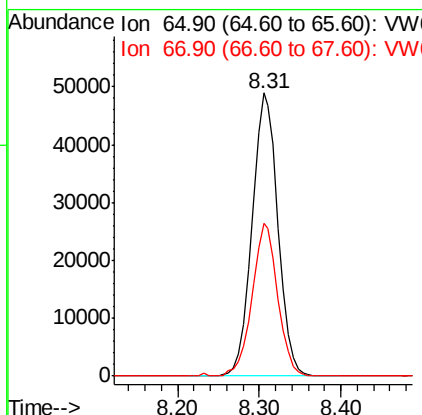
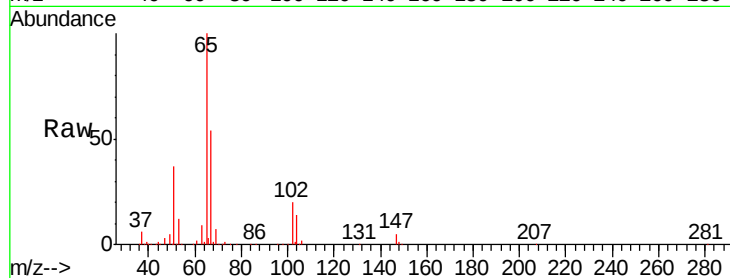




#33
 1,2-Dichloroethane-d4
 Concen: 45.32 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.01 min
 Lab File: VW006023.D
 Acq: 11 Oct 2018 11:10

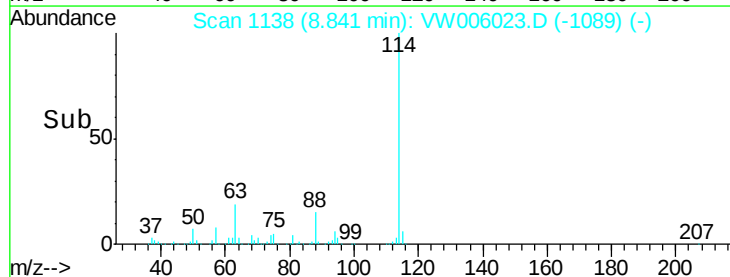
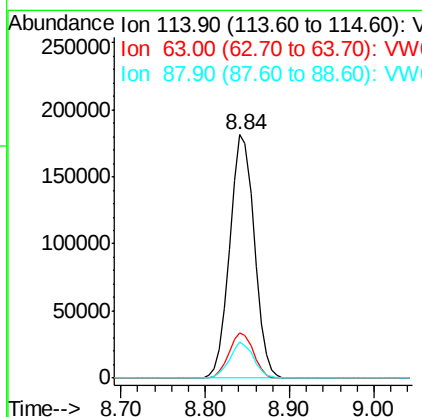
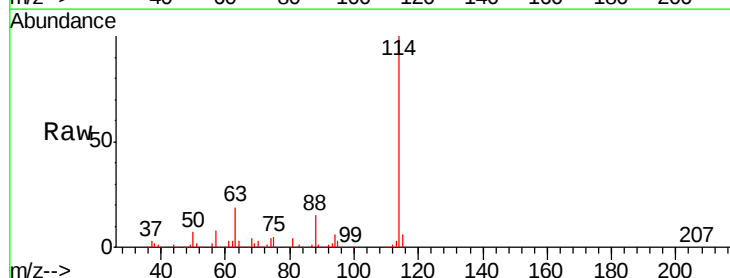
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1012SBL01

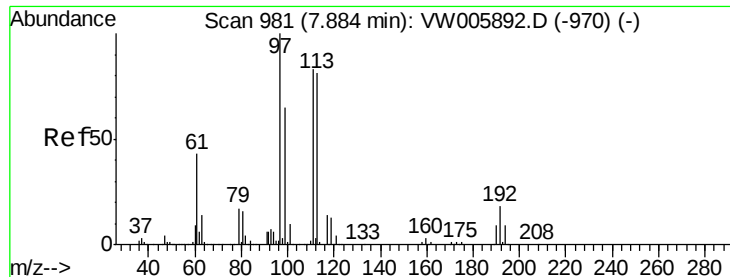
Tgt Ion: 65 Resp: 108062
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW006023.D
 Acq: 11 Oct 2018 11:10

Tgt Ion: 114 Resp: 354424
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 39.2
 88 14.8 0.0 30.8





#35

Dibromofluoromethane

Concen: 48.72 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW006023.D

Acq: 11 Oct 2018 11:10

Instrument :

MSVOA_W

ClientSampleId :

VW1012SBL01

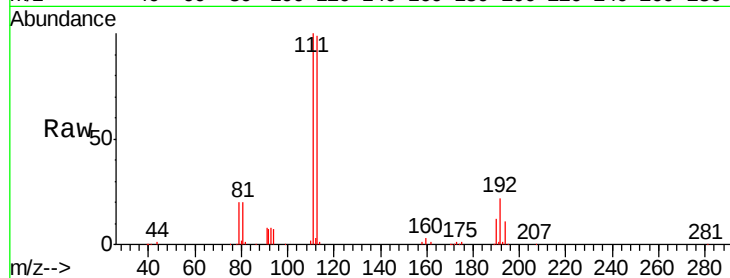
Tgt Ion:113 Resp: 110251

Ion Ratio Lower Upper

113 100

111 102.3 82.0 123.0

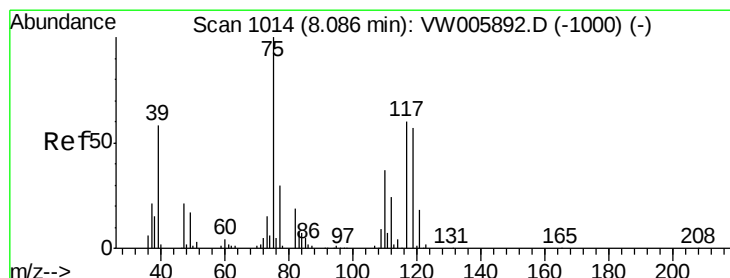
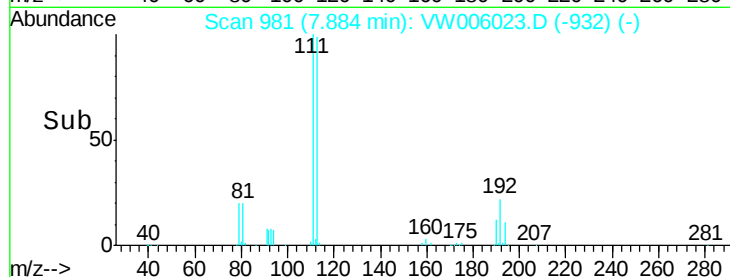
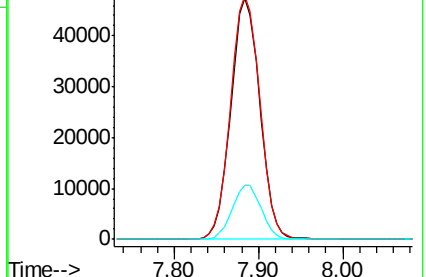
192 22.4 18.3 27.5



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: 4.81 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.14 min

Lab File: VW006023.D

Acq: 11 Oct 2018 11:10

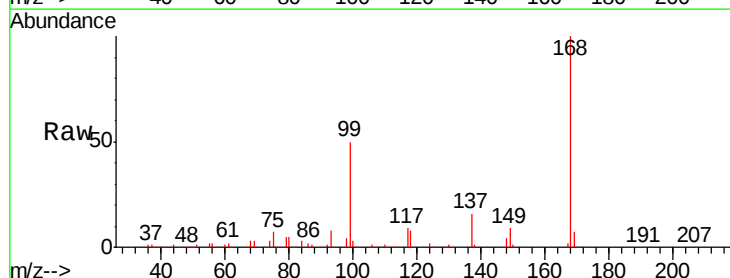
Tgt Ion: 75 Resp: 16340

Ion Ratio Lower Upper

75 100

110 9.8 18.6 56.0#

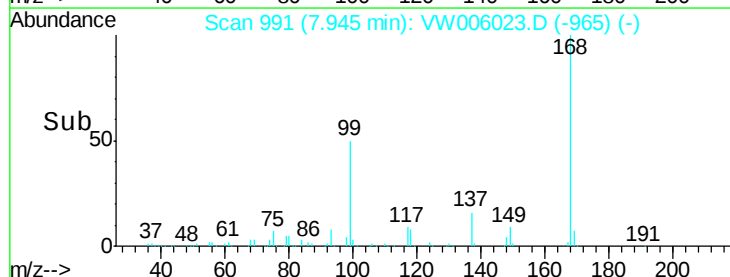
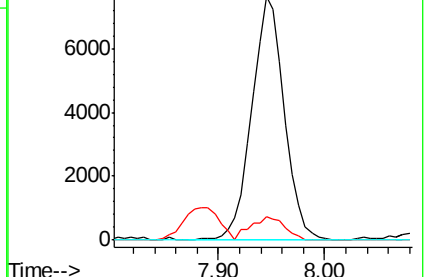
77 0.0 24.7 37.1#

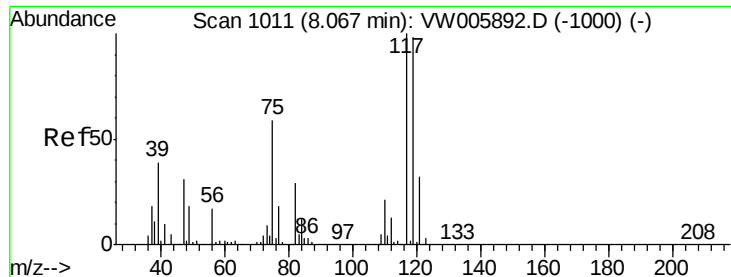


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 6.19 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW006023.D

Acq: 11 Oct 2018 11:10

Instrument :

MSVOA_W

ClientSampleId :

VW1012SBL01

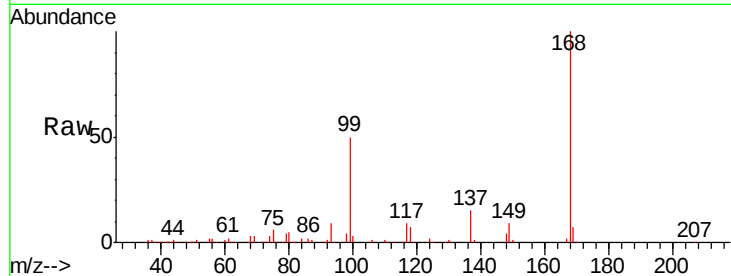
Tgt Ion:117 Resp: 22578

Ion Ratio Lower Upper

117 100

119 5.3 78.6 117.8#

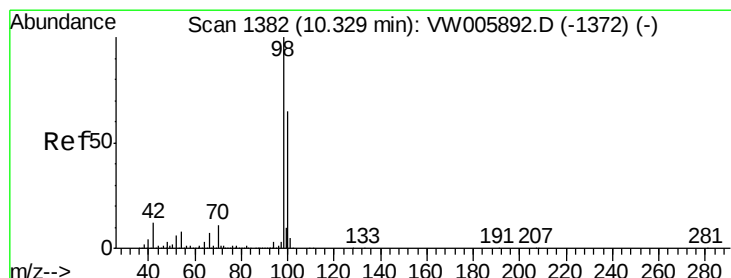
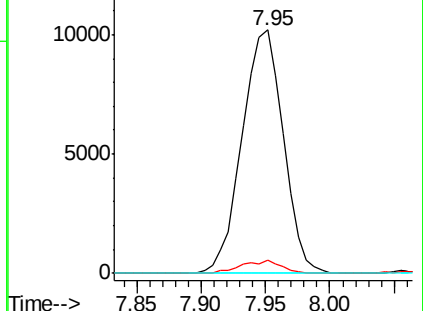
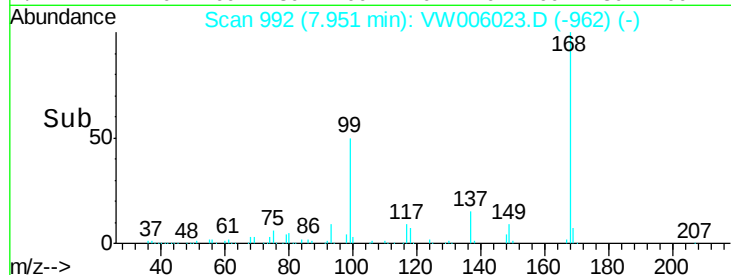
121 0.0 25.3 37.9#



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: 48.41 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.01 min

Lab File: VW006023.D

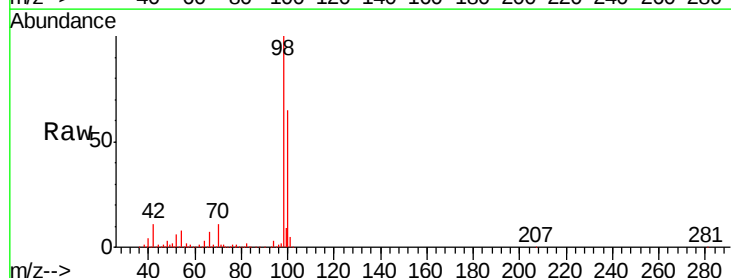
Acq: 11 Oct 2018 11:10

Tgt Ion: 98 Resp: 421466

Ion Ratio Lower Upper

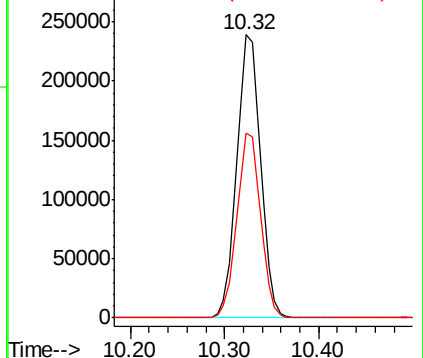
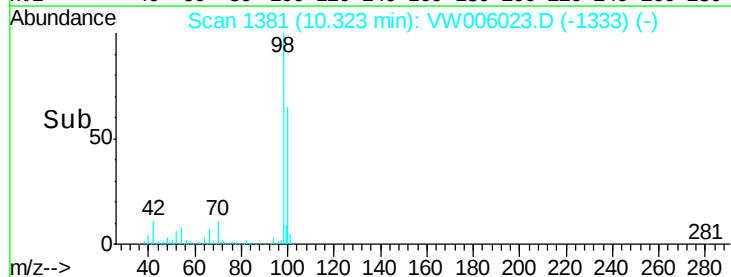
98 100

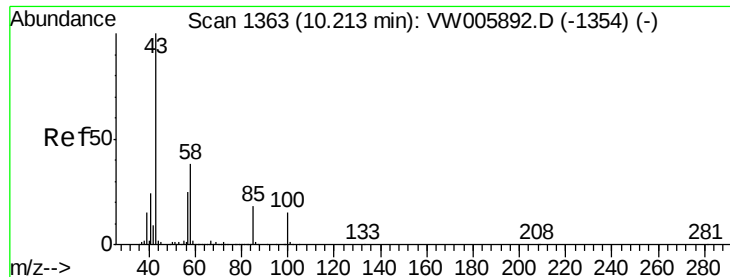
100 65.0 51.9 77.9



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: 1.97 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW006023.D

Acq: 11 Oct 2018 11:10

Instrument :

MSVOA_W

ClientSampleId :

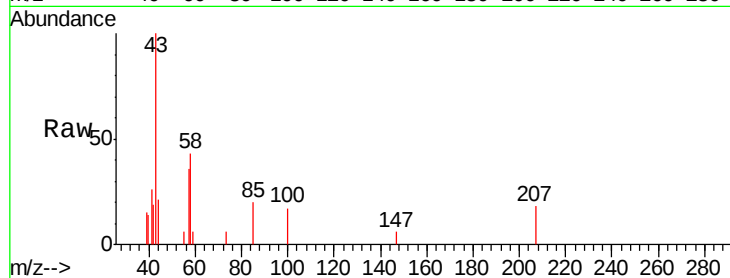
VW1012SBL01

Tgt Ion: 43 Resp: 2885

Ion Ratio Lower Upper

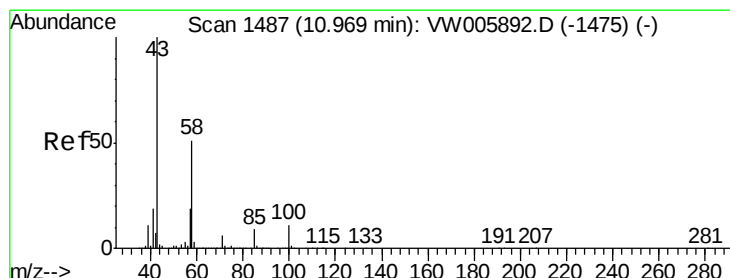
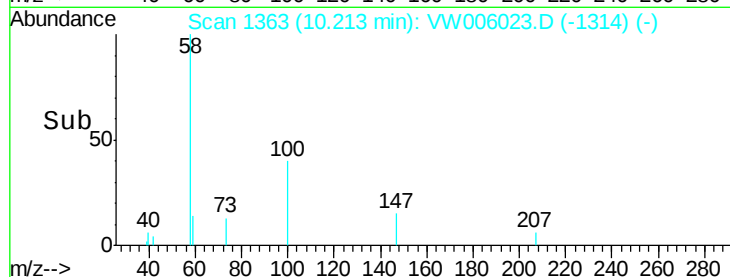
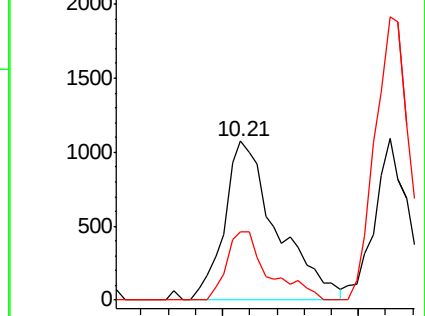
43 100

58 34.6 30.2 45.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#59

2-Hexanone

Concen: 1.02 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW006023.D

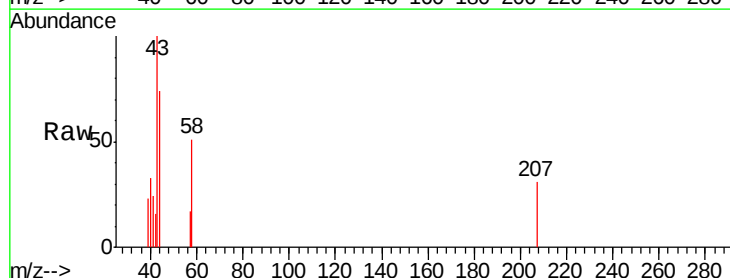
Acq: 11 Oct 2018 11:10

Tgt Ion: 43 Resp: 1067

Ion Ratio Lower Upper

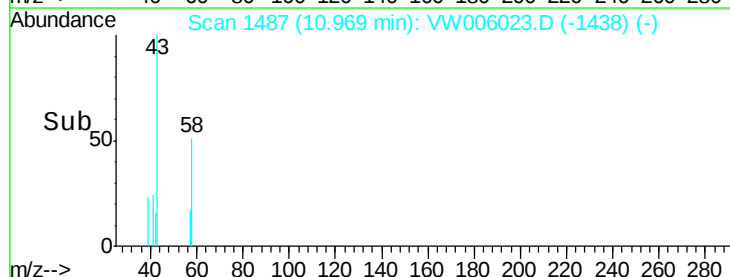
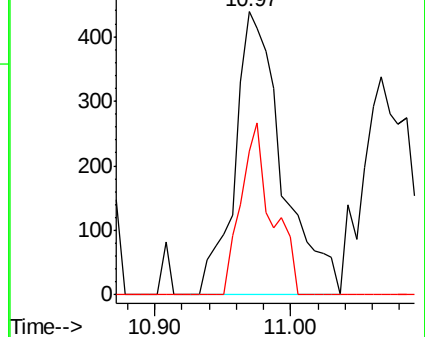
43 100

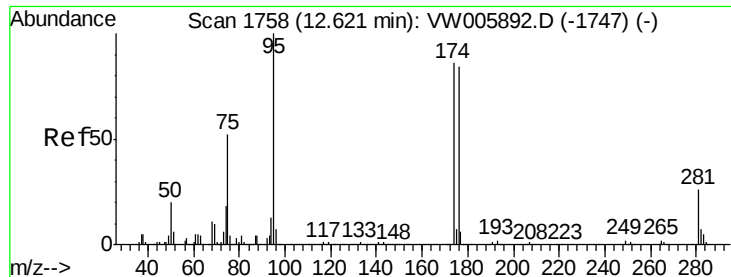
58 39.8 25.7 77.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

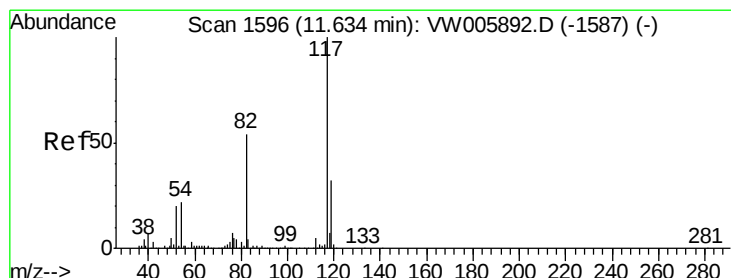
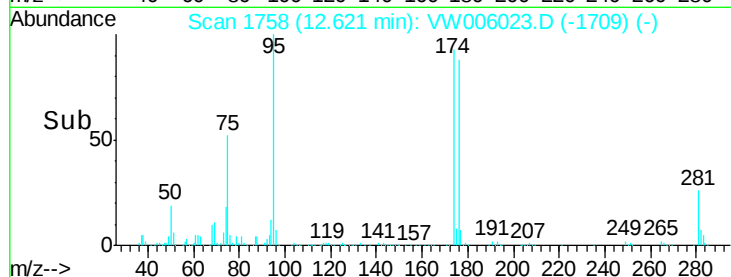
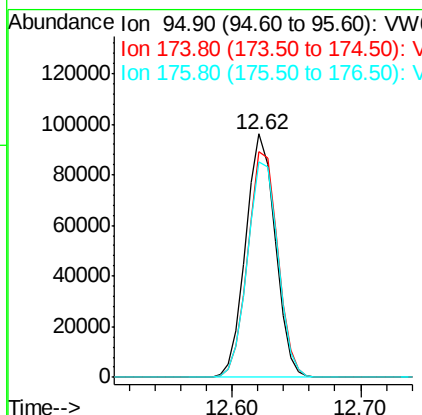
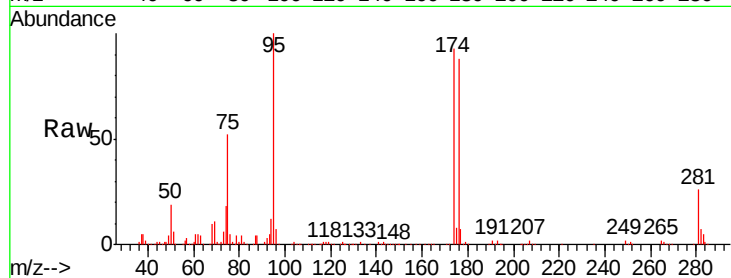




#62
4-Bromofluorobenzene
Concen: 45.92 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW006023.D
Acq: 11 Oct 2018 11:10

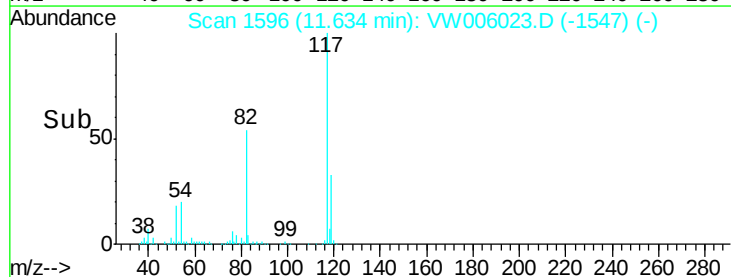
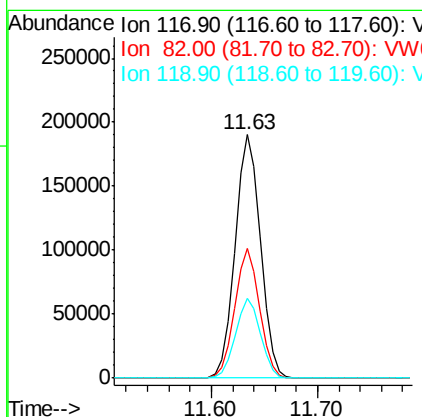
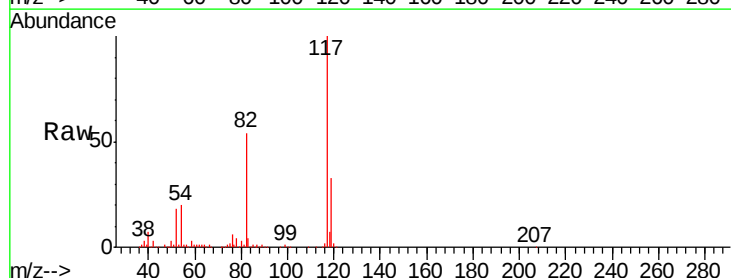
Instrument :
MSVOA_W
ClientSampleId :
VW1012SBL01

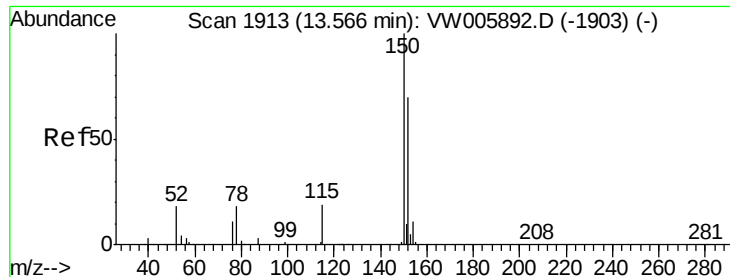
Tgt Ion: 95 Resp: 152105
Ion Ratio Lower Upper
95 100
174 93.7 0.0 176.4
176 91.4 0.0 173.0



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW006023.D
Acq: 11 Oct 2018 11:10

Tgt Ion: 117 Resp: 318096
Ion Ratio Lower Upper
117 100
82 53.5 43.5 65.3
119 32.7 25.4 38.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. -0.00 min

Lab File: VW006023.D

Acq: 11 Oct 2018 11:10

Instrument :

MSVOA_W

ClientSampleId :

VW1012SBL01

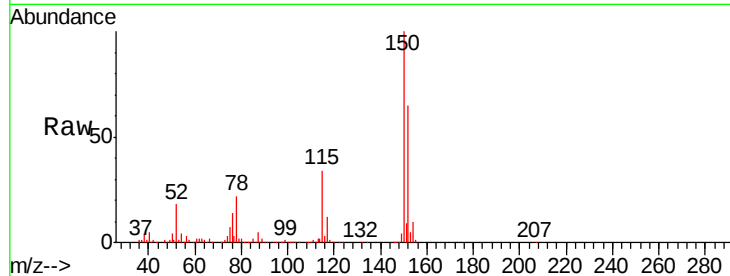
Tgt Ion: 152 Resp: 171258

Ion Ratio Lower Upper

152 100

115 55.0 28.3 85.0

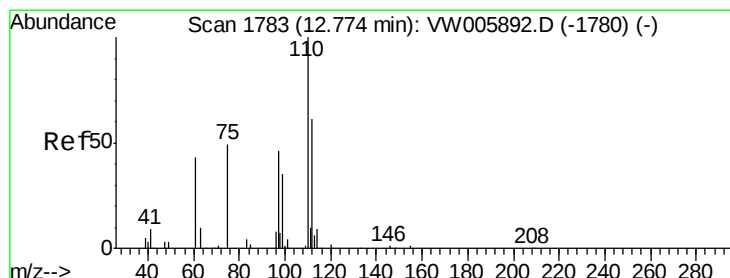
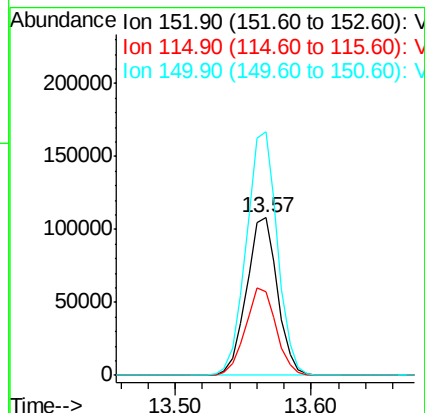
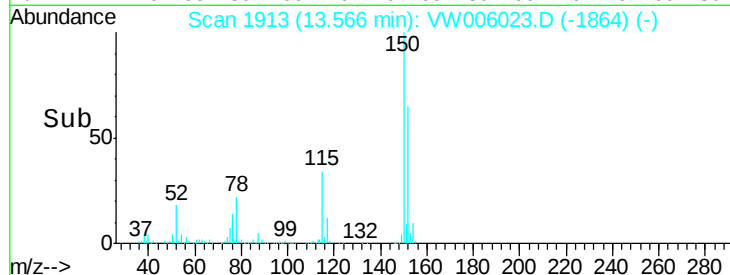
150 155.8 0.0 349.2



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: 51.29 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW006023.D

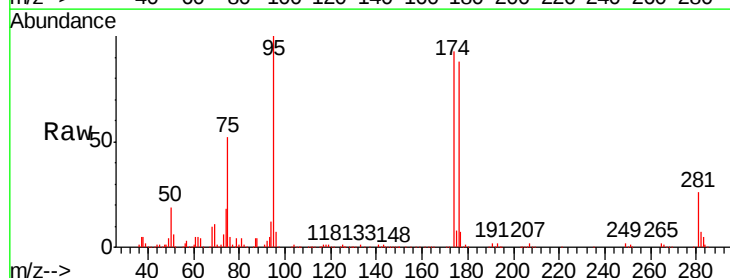
Acq: 11 Oct 2018 11:10

Tgt Ion: 75 Resp: 78459

Ion Ratio Lower Upper

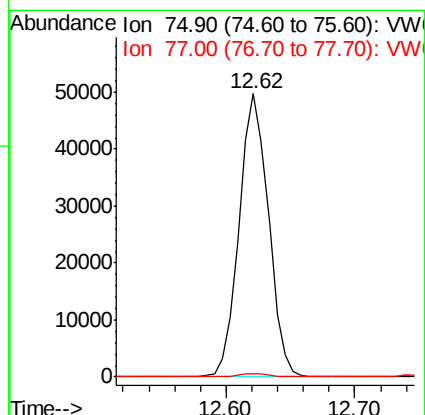
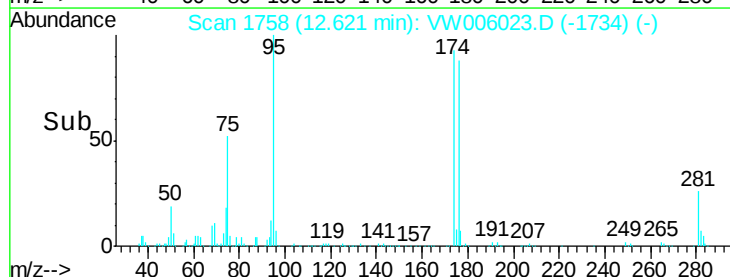
75 100

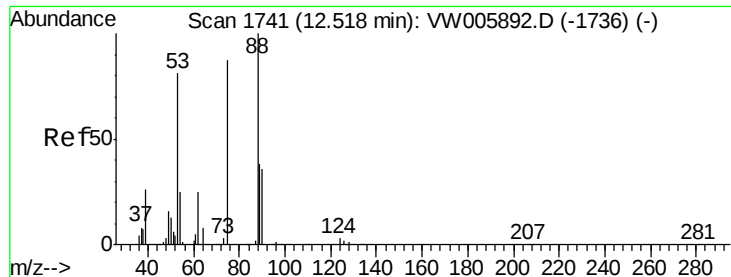
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

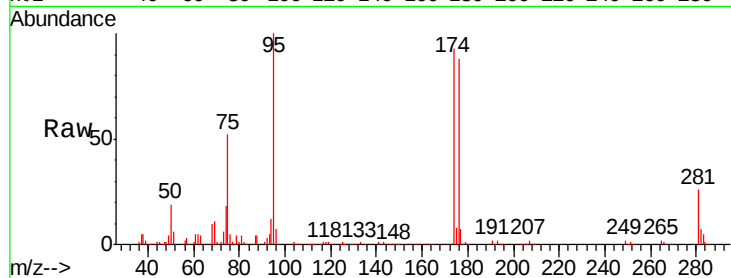




#81
 trans-1,4-Dichloro-2-butene
 Concen: 108.27 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.10 min
 Lab File: VW006023.D
 Acq: 11 Oct 2018 11:10

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1012SBL01

Tgt Ion: 75 Resp: 78459
 Ion Ratio Lower Upper
 75 100
 53 0.0 76.5 114.7#
 89 0.2 37.6 56.4#



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

