

Data File : VW005906.D
Acq On : 08 Oct 2018 19:52
Operator : SY/AP
Sample : J5302-02
Misc : 5.23G/5ML/MSVOA_W/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-TW-2-(16.5-17)

Quant Time: Oct 09 06:12:04 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	284787	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	418633	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	387166	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	205001	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	90516	32.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	65.48%	
35) Dibromofluoromethane	7.88	113	91445	34.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	68.42%	
50) Toluene-d8	10.33	98	317463	30.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	61.74%	
62) 4-Bromofluorobenzene	12.62	95	127446	32.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	65.14%	

Target Compounds

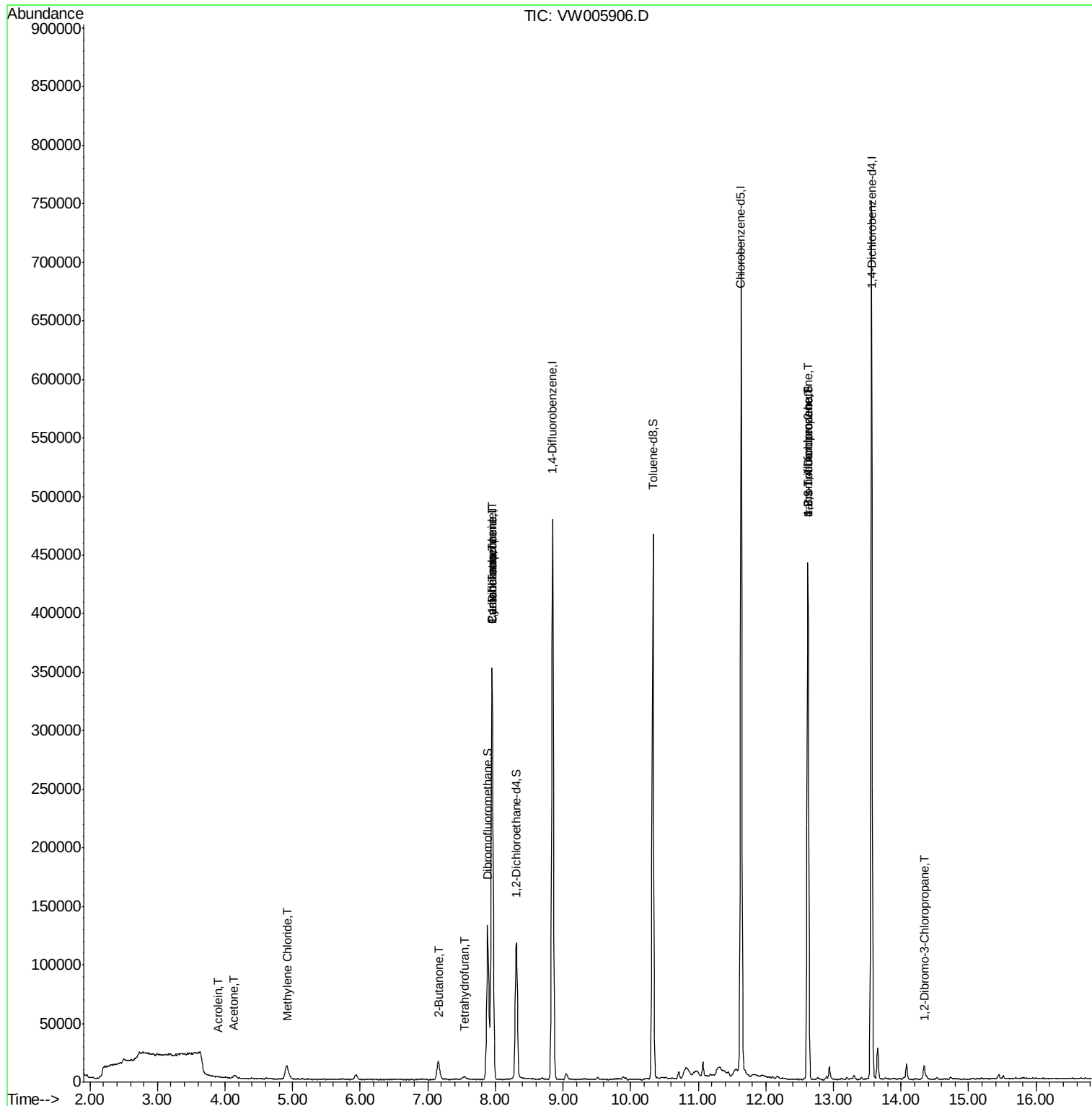
						Qvalue
13) Acrolein	3.90	56	245	1.357	ug/l #	16
16) Acetone	4.14	43	5218	9.449	ug/l	89
20) Methylene Chloride	4.92	84	10583	3.825	ug/l	93
25) 2-Butanone	7.17	43	1091	1.389	ug/l #	86
29) Tetrahydrofuran	7.53	42	1122	2.260	ug/l #	36
31) Cyclohexane	7.95	56	5498	1.136	ug/l #	8
36) 1,1-Dichloropropene	7.95	75	18815	4.690	ug/l #	50
38) Carbon Tetrachloride	7.95	117	25413	5.897	ug/l #	14
76) 1,2,3-Trichloropropane	12.62	75	64741	35.354	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	64741	74.636	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	14.33	75	737	1.612	ug/l #	1

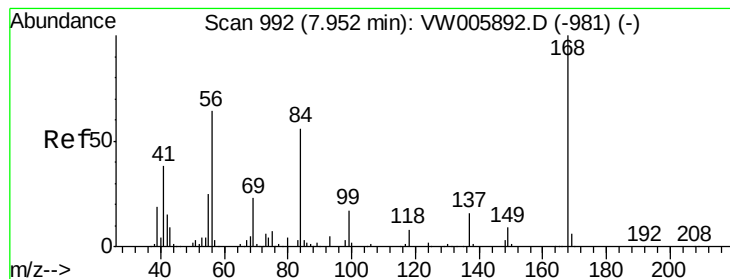
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW005906.D

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Instrument :

MSVOA_W

ClientSampleId :

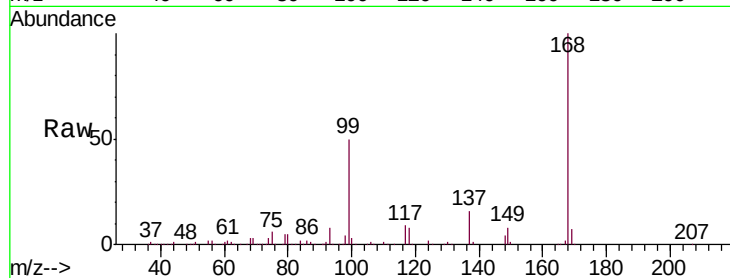
SB-TW-2-(16.5-17)

Tgt Ion:168 Resp: 284787

Ion Ratio Lower Upper

168 100

99 50.0 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

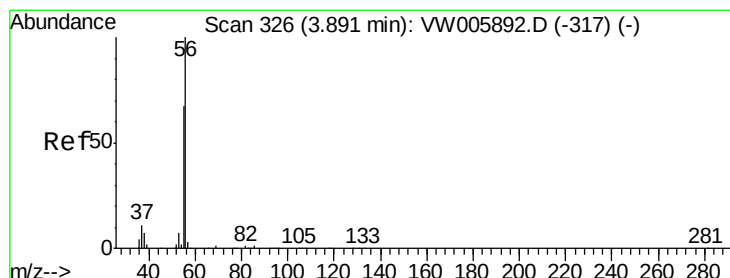
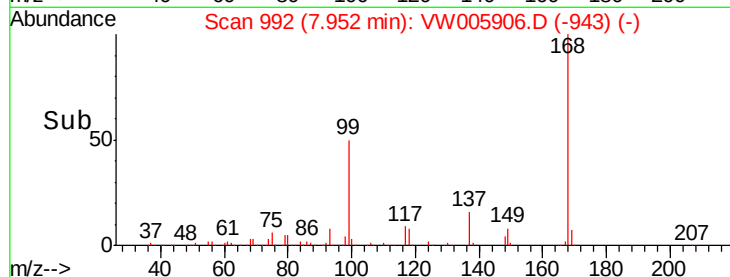
150000

100000

50000

0

Time-->



#13

Acrolein

Concen: 1.357 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW005906.D

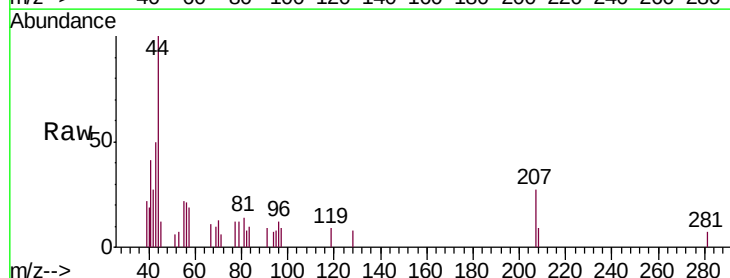
Acq: 08 Oct 2018 19:52

Tgt Ion: 56 Resp: 245

Ion Ratio Lower Upper

56 100

55 0.0 54.6 82.0#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW

400

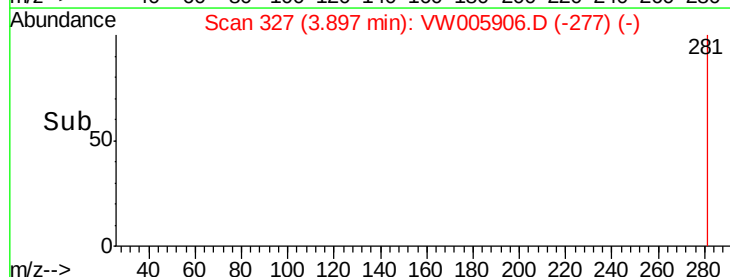
300

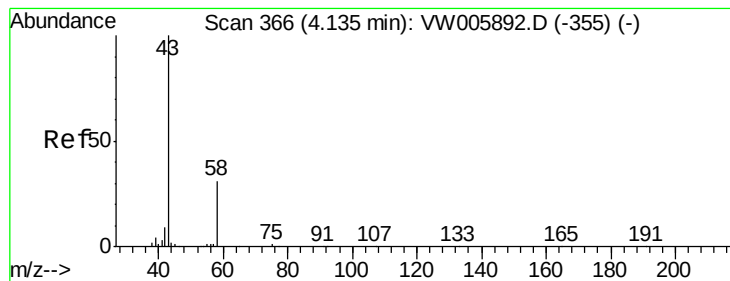
200

100

0

Time-->





#16

Acetone

Concen: 9.449 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.00 min

Lab File: VW005906.D

Acq: 08 Oct 2018 19:52

Instrument :

MSVOA_W

ClientSampleId :

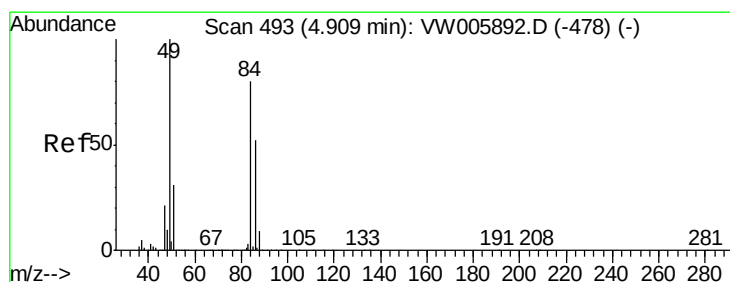
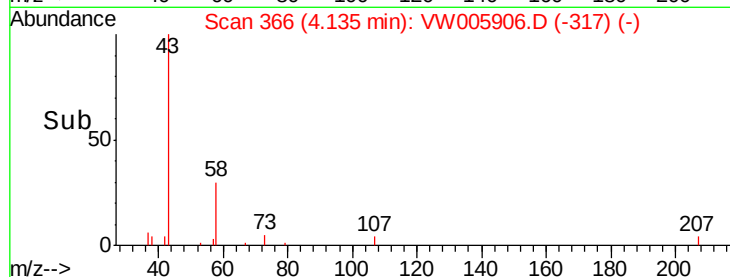
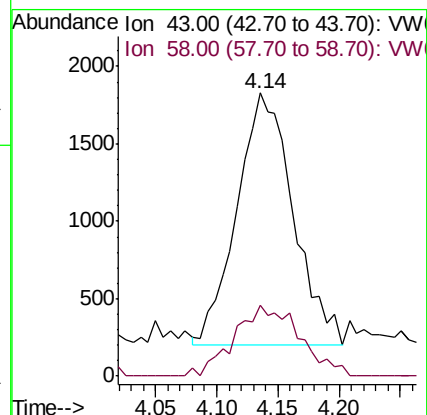
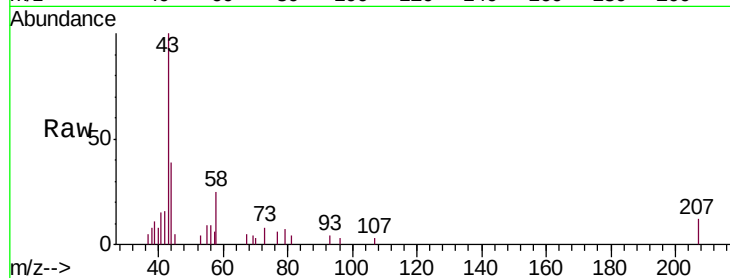
SB-TW-2-(16.5-17)

Tgt Ion: 43 Resp: 5218

Ion Ratio Lower Upper

43 100

58 24.9 24.7 37.1



#20

Methylene Chloride

Concen: 3.825 ug/l

RT: 4.92 min Scan# 495

Delta R.T. 0.01 min

Lab File: VW005906.D

Acq: 08 Oct 2018 19:52

Tgt Ion: 84 Resp: 10583

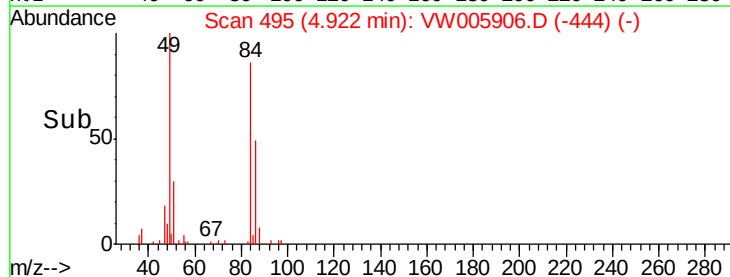
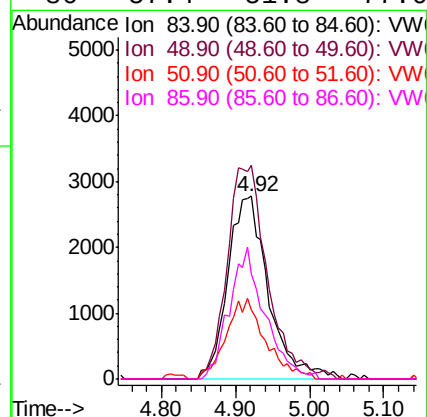
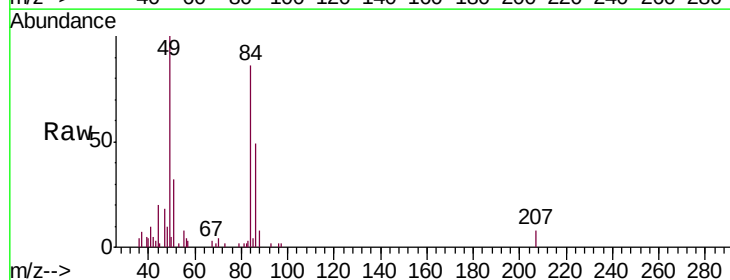
Ion Ratio Lower Upper

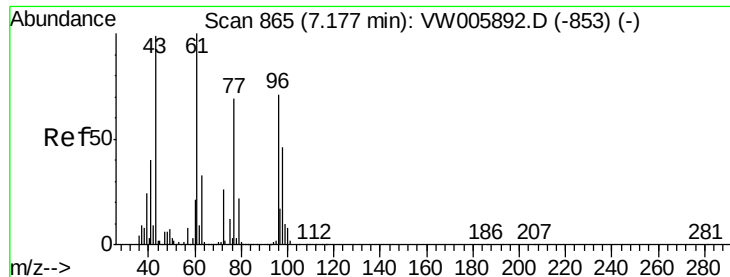
84 100

49 116.7 99.9 149.9

51 37.9 31.1 46.7

86 57.4 51.8 77.6





#25

2-Butanone

Concen: 1.389 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW005906.D

Acq: 08 Oct 2018 19:52

Instrument :

MSVOA_W

ClientSampleId :

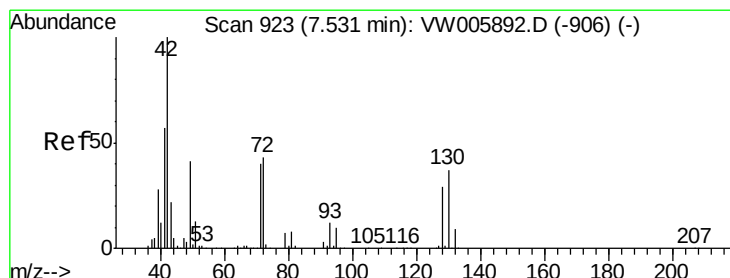
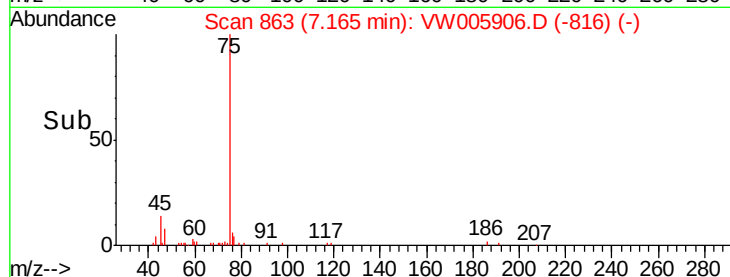
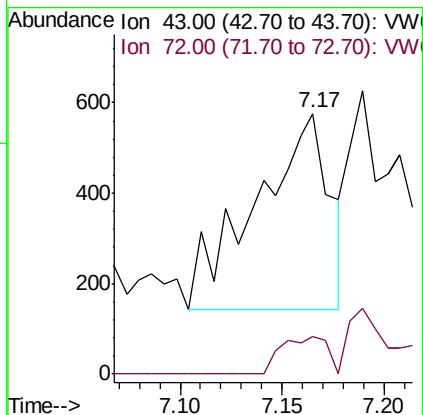
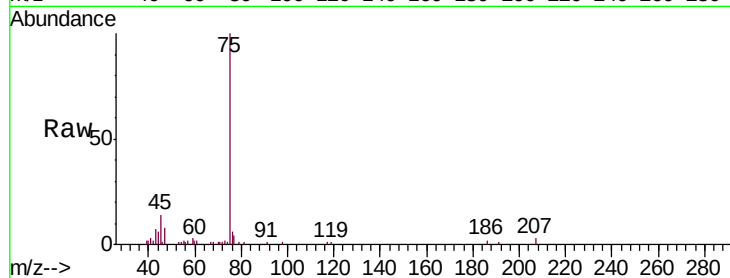
SB-TW-2-(16.5-17)

Tgt Ion: 43 Resp: 1091

Ion Ratio Lower Upper

43 100

72 19.2 21.0 31.4#



#29

Tetrahydrofuran

Concen: 2.260 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.00 min

Lab File: VW005906.D

Acq: 08 Oct 2018 19:52

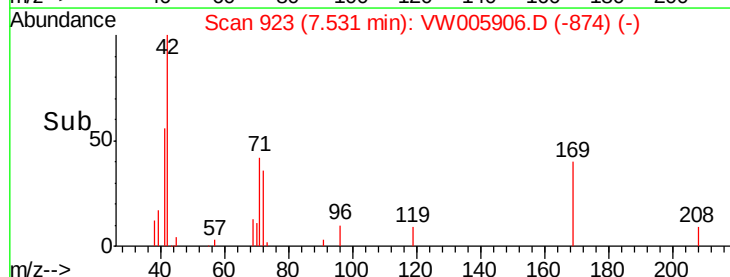
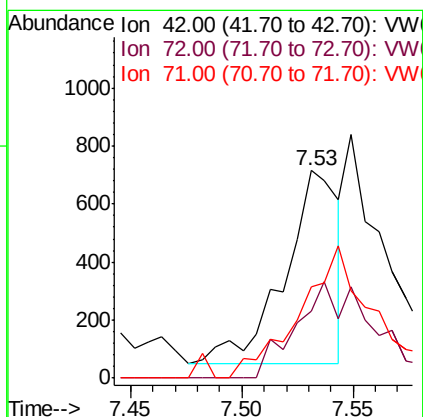
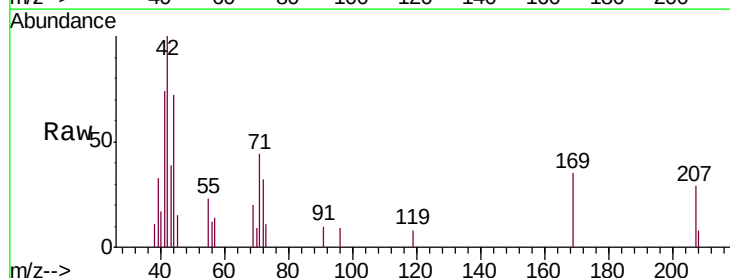
Tgt Ion: 42 Resp: 1122

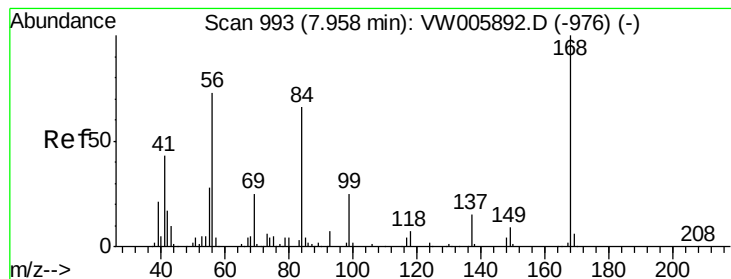
Ion Ratio Lower Upper

42 100

72 71.4 34.6 51.8#

71 93.9 32.6 49.0#





#31

Cyclohexane

Concen: 1.136 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW005906.D

Acq: 08 Oct 2018 19:52

Instrument :

MSVOA_W

ClientSampleId :

SB-TW-2-(16.5-17)

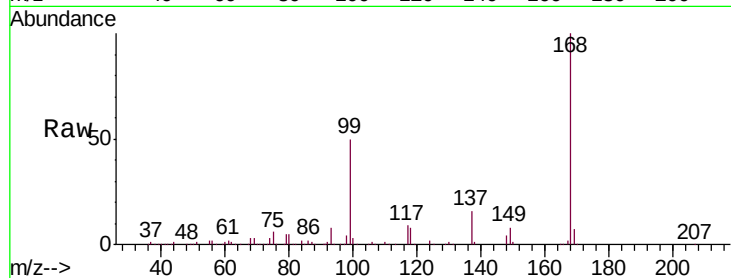
Tgt Ion: 56 Resp: 5498

Ion Ratio Lower Upper

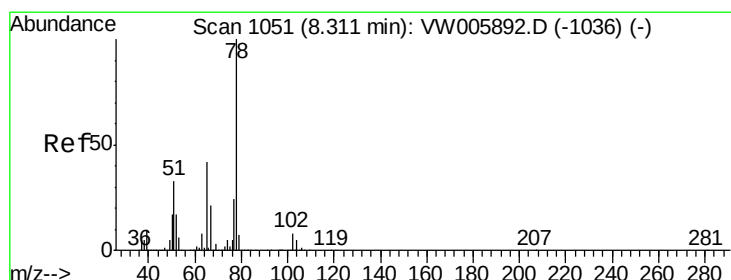
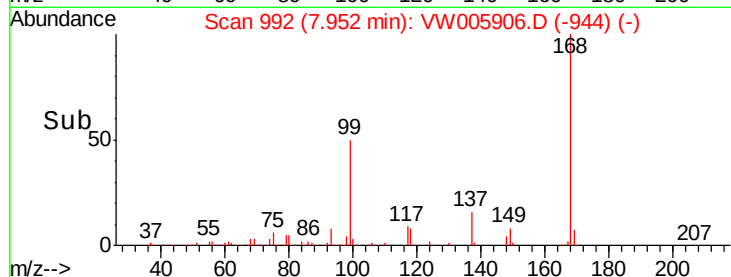
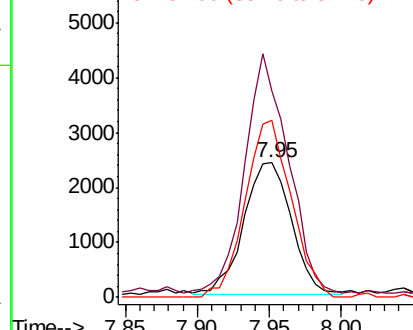
56 100

69 154.6 27.9 41.9#

84 135.5 72.3 108.5#



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: 32.741 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VW005906.D

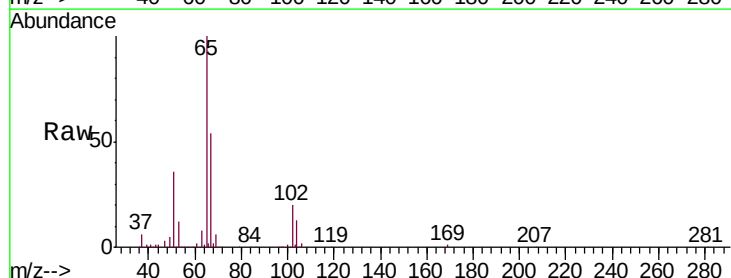
Acq: 08 Oct 2018 19:52

Tgt Ion: 65 Resp: 90516

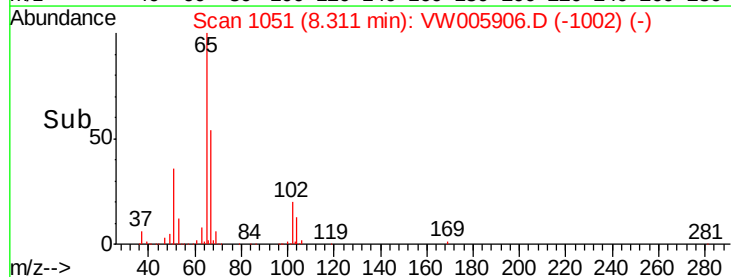
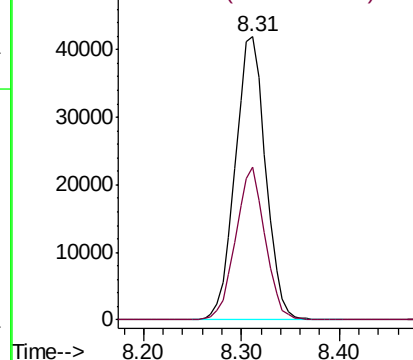
Ion Ratio Lower Upper

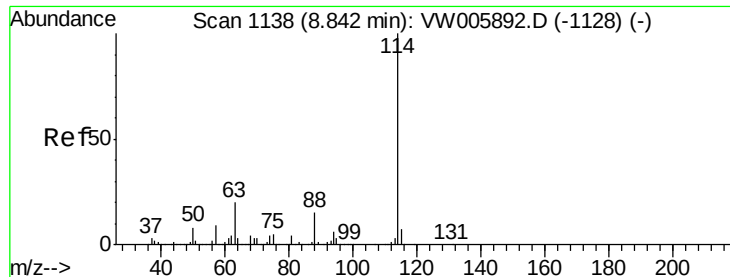
65 100

67 52.3 0.0 104.6



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

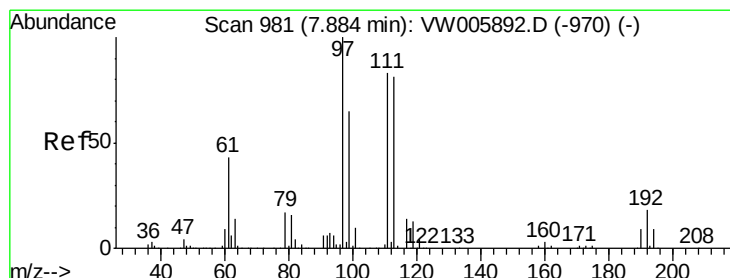
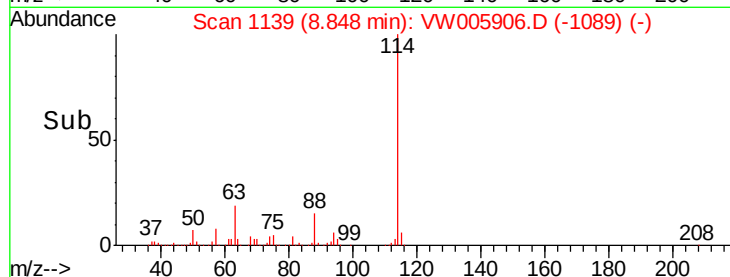
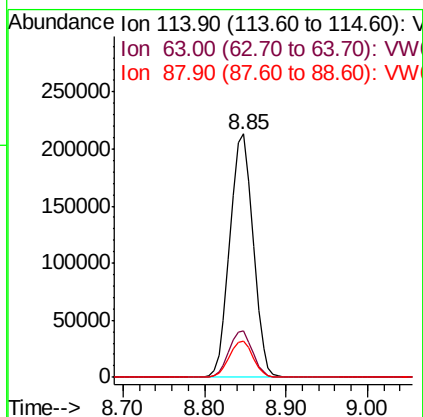
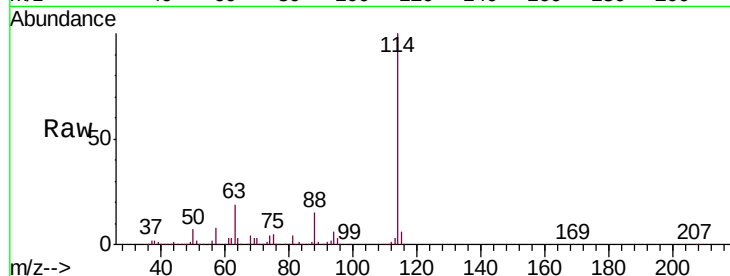




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.01 min
 Lab File: VW005906.D
 Acq: 08 Oct 2018 19:52

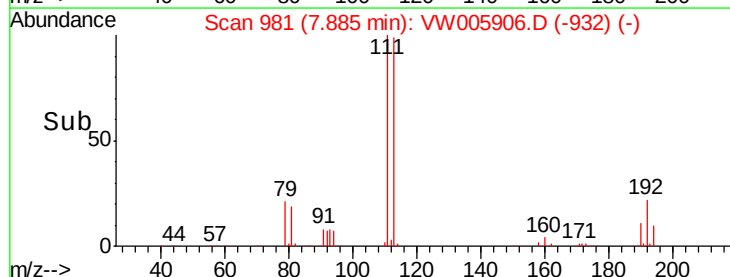
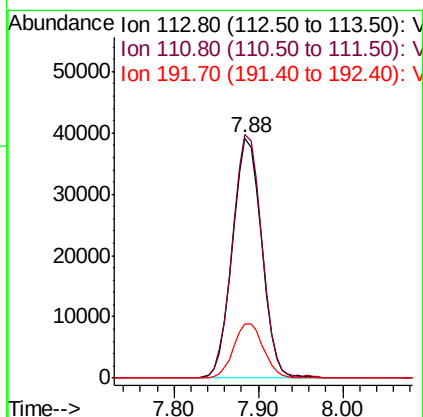
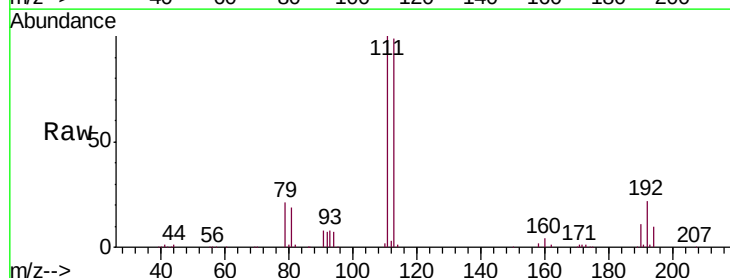
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-TW-2-(16.5-17)

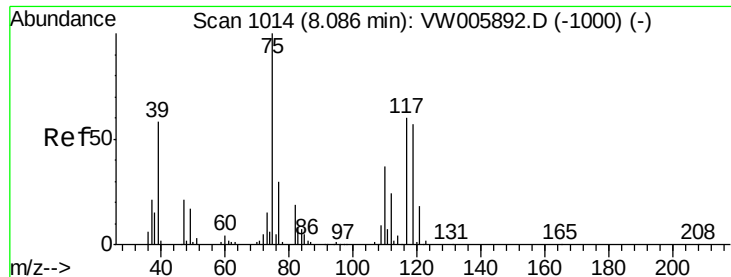
Tgt Ion:114 Resp: 418633
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 39.2
 88 15.1 0.0 30.8



#35
 Dibromofluoromethane
 Concen: 34.213 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW005906.D
 Acq: 08 Oct 2018 19:52

Tgt Ion:113 Resp: 91445
 Ion Ratio Lower Upper
 113 100
 111 102.4 82.0 123.0
 192 23.2 18.3 27.5





#36

1,1-Dichloropropene

Concen: 4.690 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.13 min

Lab File: VW005906.D

Acq: 08 Oct 2018 19:52

Instrument :

MSVOA_W

ClientSampleId :

SB-TW-2-(16.5-17)

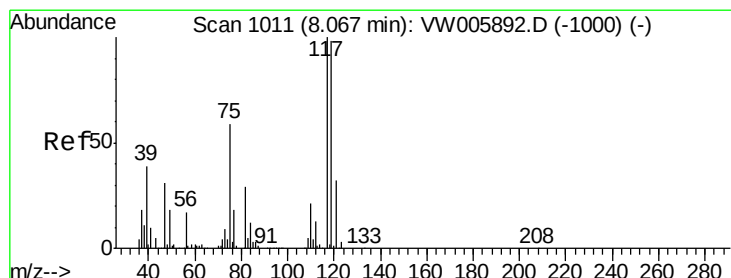
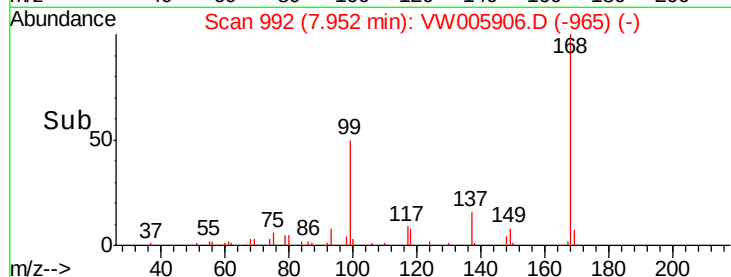
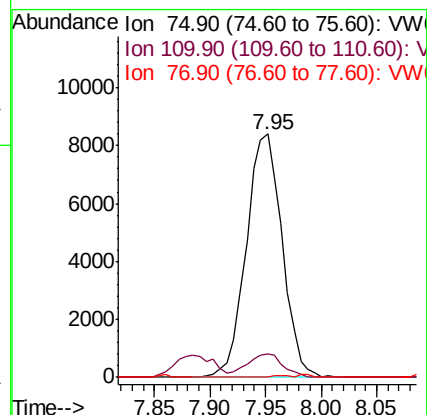
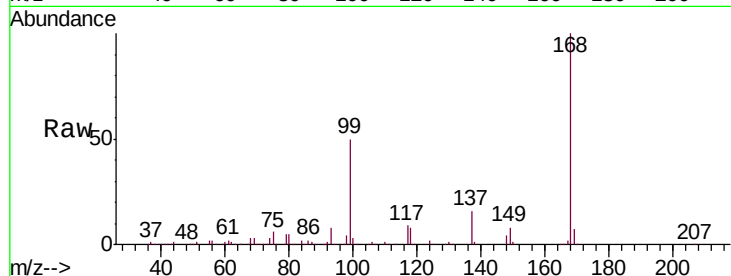
Tgt Ion: 75 Resp: 18815

Ion Ratio Lower Upper

75 100

110 9.7 18.6 56.0#

77 0.4 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 5.897 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW005906.D

Acq: 08 Oct 2018 19:52

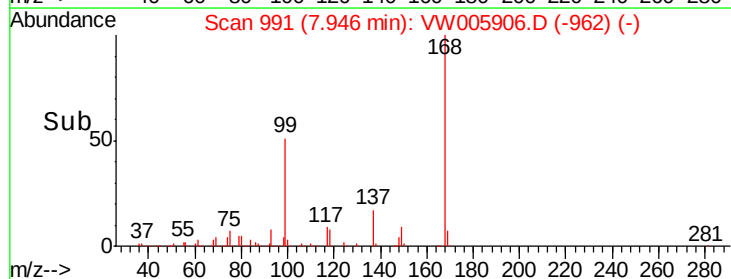
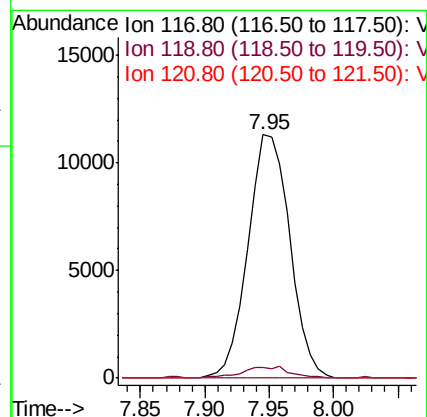
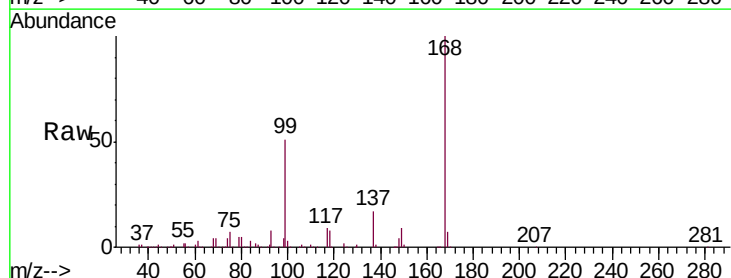
Tgt Ion: 117 Resp: 25413

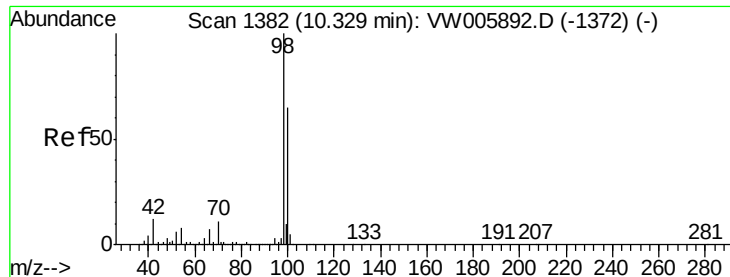
Ion Ratio Lower Upper

117 100

119 4.4 78.6 117.8#

121 0.0 25.3 37.9#





#50

Toluene-d8

Concen: 30.871 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VW005906.D

Acq: 08 Oct 2018 19:52

Instrument :

MSVOA_W

ClientSampleId :

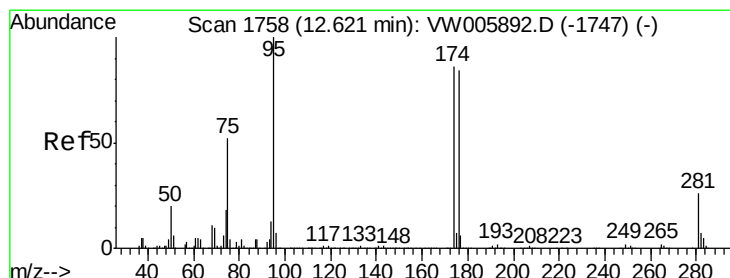
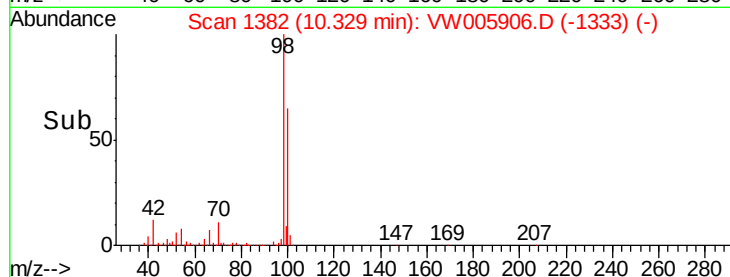
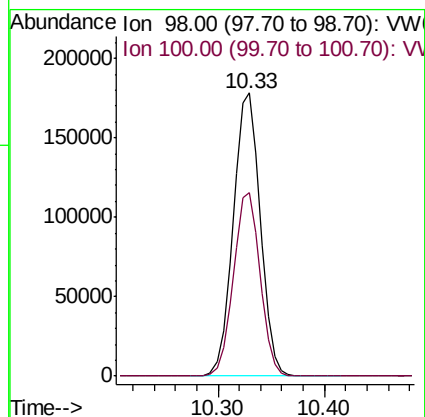
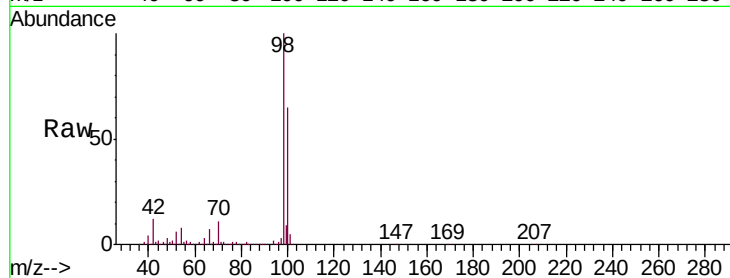
SB-TW-2-(16.5-17)

Tgt Ion: 98 Resp: 317463

Ion Ratio Lower Upper

98 100

100 64.0 51.9 77.9



#62

4-Bromofluorobenzene

Concen: 32.575 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW005906.D

Acq: 08 Oct 2018 19:52

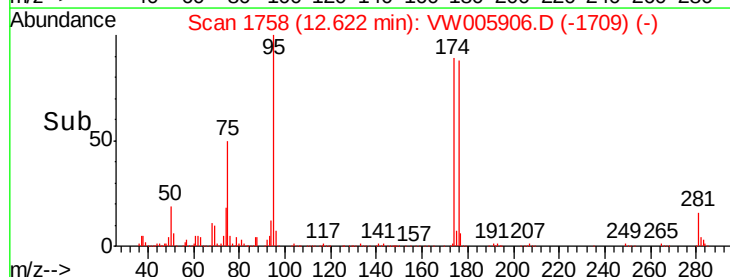
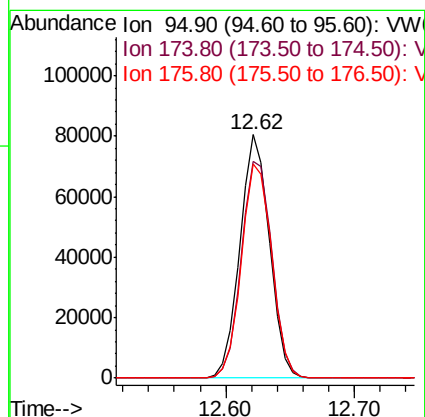
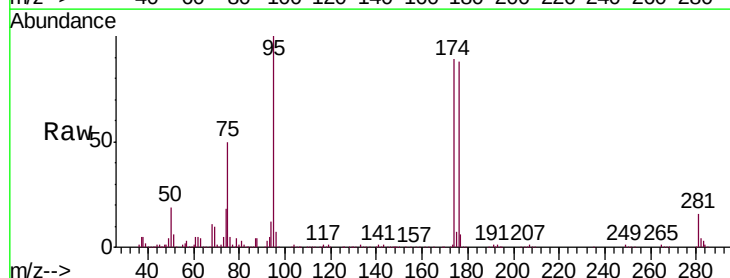
Tgt Ion: 95 Resp: 127446

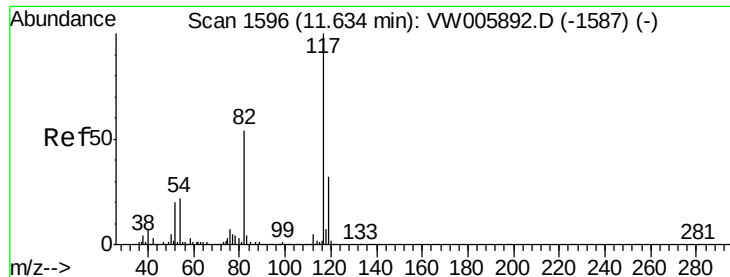
Ion Ratio Lower Upper

95 100

174 92.4 0.0 176.4

176 90.4 0.0 173.0

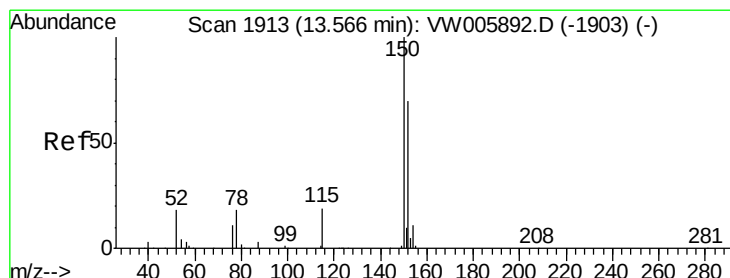
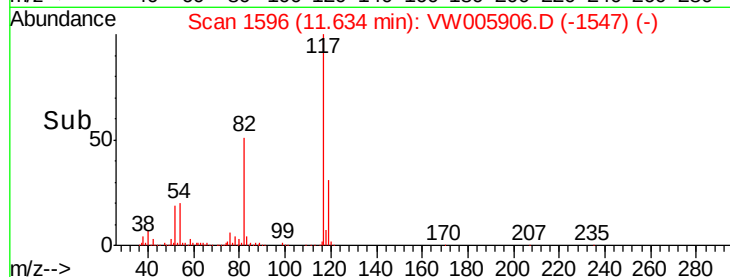
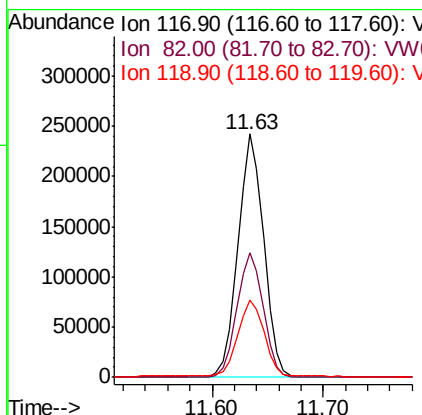
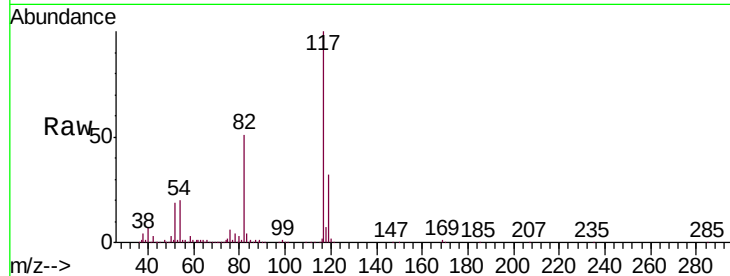




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW005906.D
Acq: 08 Oct 2018 19:52

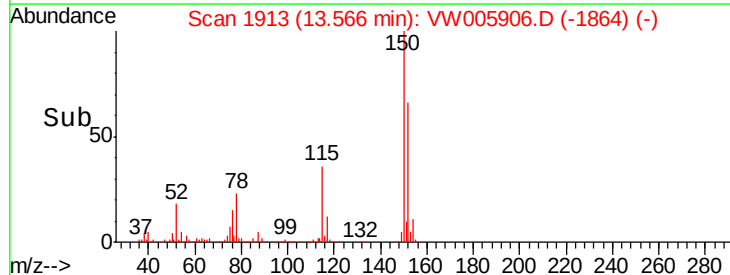
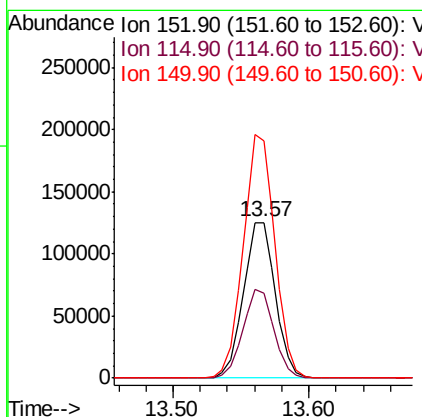
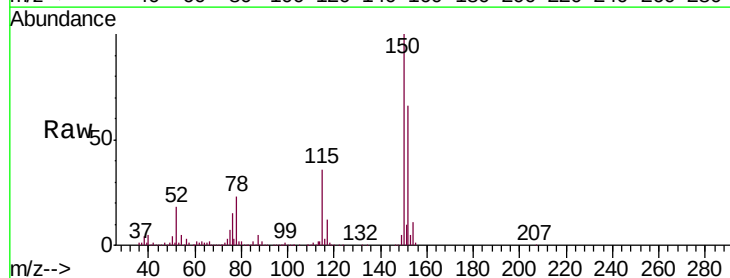
Instrument :
MSVOA_W
ClientSampleId :
SB-TW-2-(16.5-17)

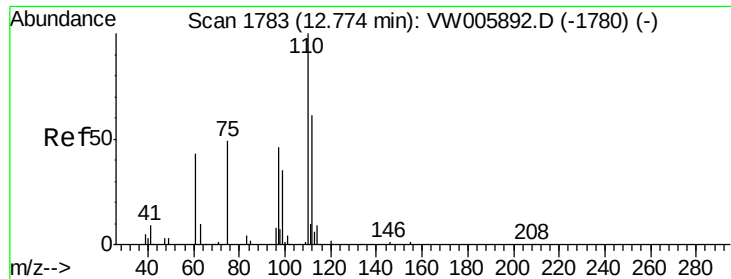
Tgt Ion	Ratio	Lower	Upper
117	100		
82	51.3	43.5	65.3
119	31.3	25.4	38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. 0.00 min
Lab File: VW005906.D
Acq: 08 Oct 2018 19:52

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.4	28.3	85.0
150	154.9	0.0	349.2

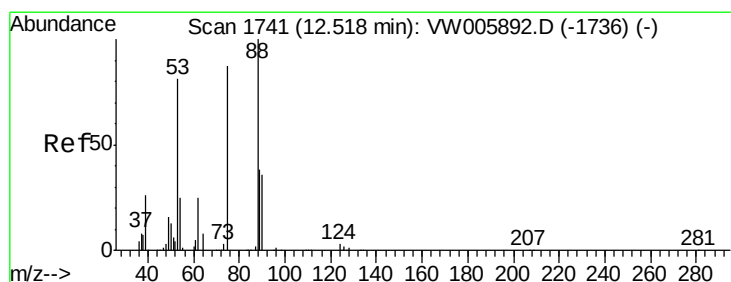
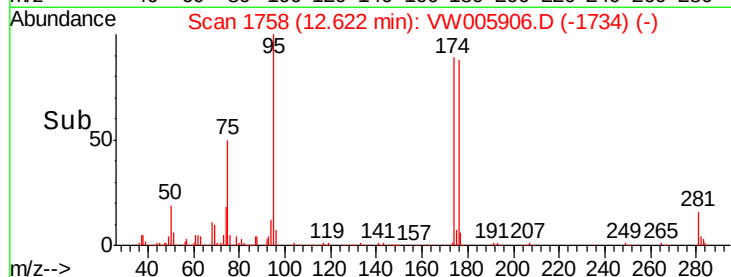
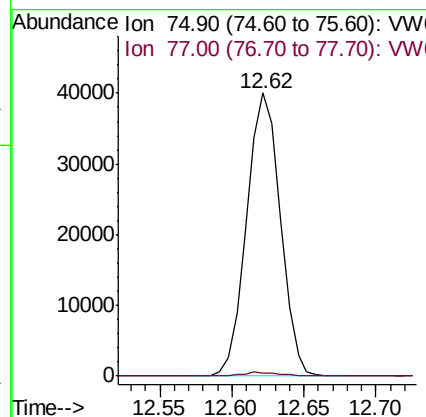
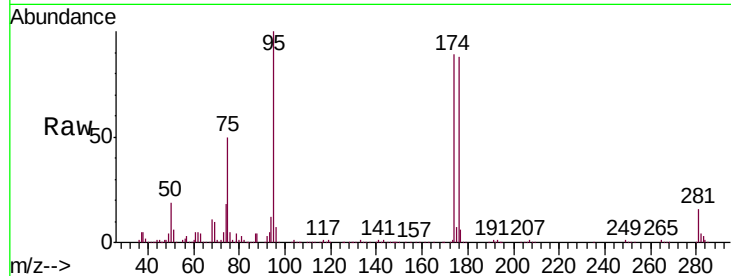




#76
 1,2,3-Trichloropropane
 Concen: 35.354 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.15 min
 Lab File: VW005906.D
 Acq: 08 Oct 2018 19:52

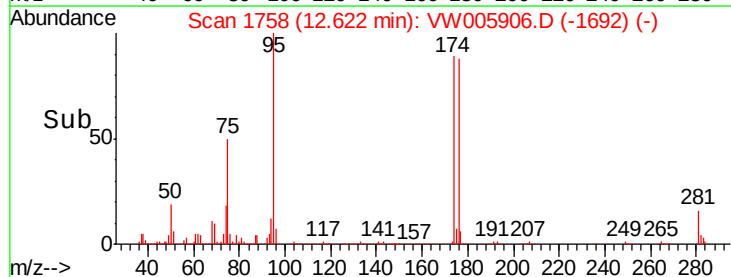
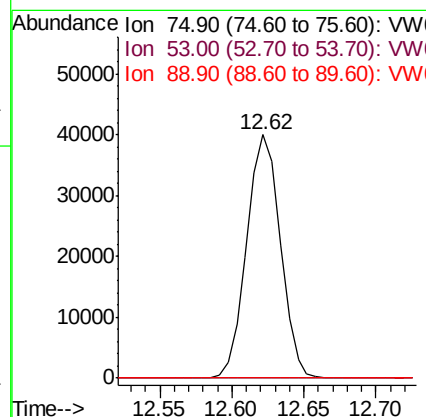
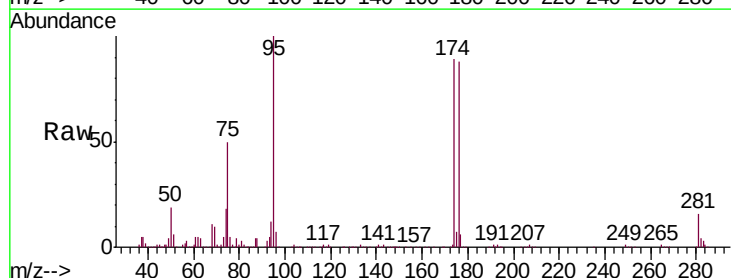
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-TW-2-(16.5-17)

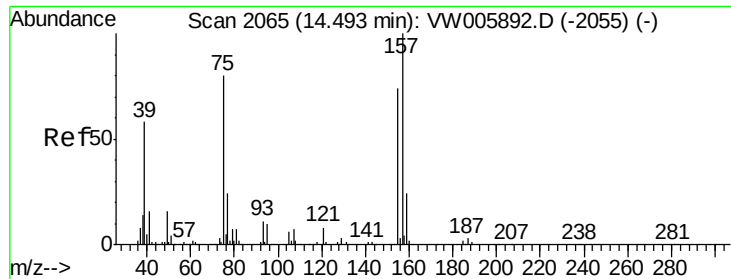
Tgt Ion: 75 Resp: 64741
 Ion Ratio Lower Upper
 75 100
 77 1.6 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 74.636 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.10 min
 Lab File: VW005906.D
 Acq: 08 Oct 2018 19:52

Tgt Ion: 75 Resp: 64741
 Ion Ratio Lower Upper
 75 100
 53 0.0 76.5 114.7#
 89 0.1 37.6 56.4#





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.612 ug/l

RT: 14.33 min Scan# 2039

Delta R.T. -0.16 min

Lab File: VW005906.D

Acq: 08 Oct 2018 19:52

Instrument :

MSVOA_W

ClientSampleId :

SB-TW-2-(16.5-17)

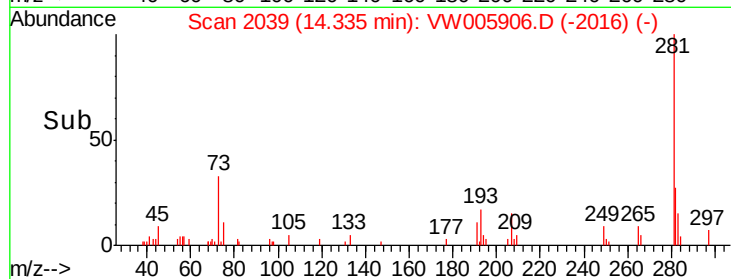
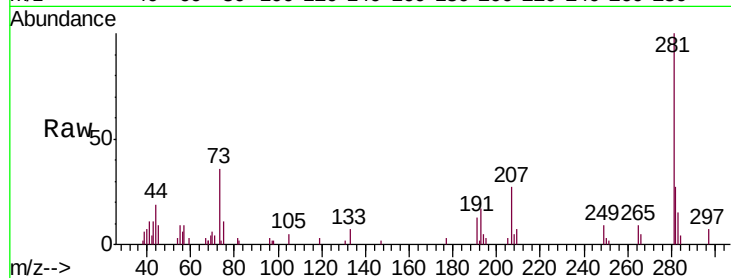
Tgt Ion: 75 Resp: 737

Ion Ratio Lower Upper

75 100

155 0.0 44.8 134.3#

157 0.0 58.9 176.6#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

