

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW070518\
 Data File : VW003728.D
 Acq On : 05 Jul 2018 18:18
 Operator : SY/AP
 Sample : J3845-07
 Misc : 5.00G/7ML/MSVOA W/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 06 02:36:57 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070218S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 03 08:55:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	54615	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	89270	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	87994	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	37925	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	39799	61.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	122.24%	
35) Dibromofluoromethane	7.88	113	33027	56.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.46%	
50) Toluene-d8	10.33	98	88512	38.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	77.46%	
62) 4-Bromofluorobenzene	12.62	95	29131	35.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	70.96%	

Target Compounds

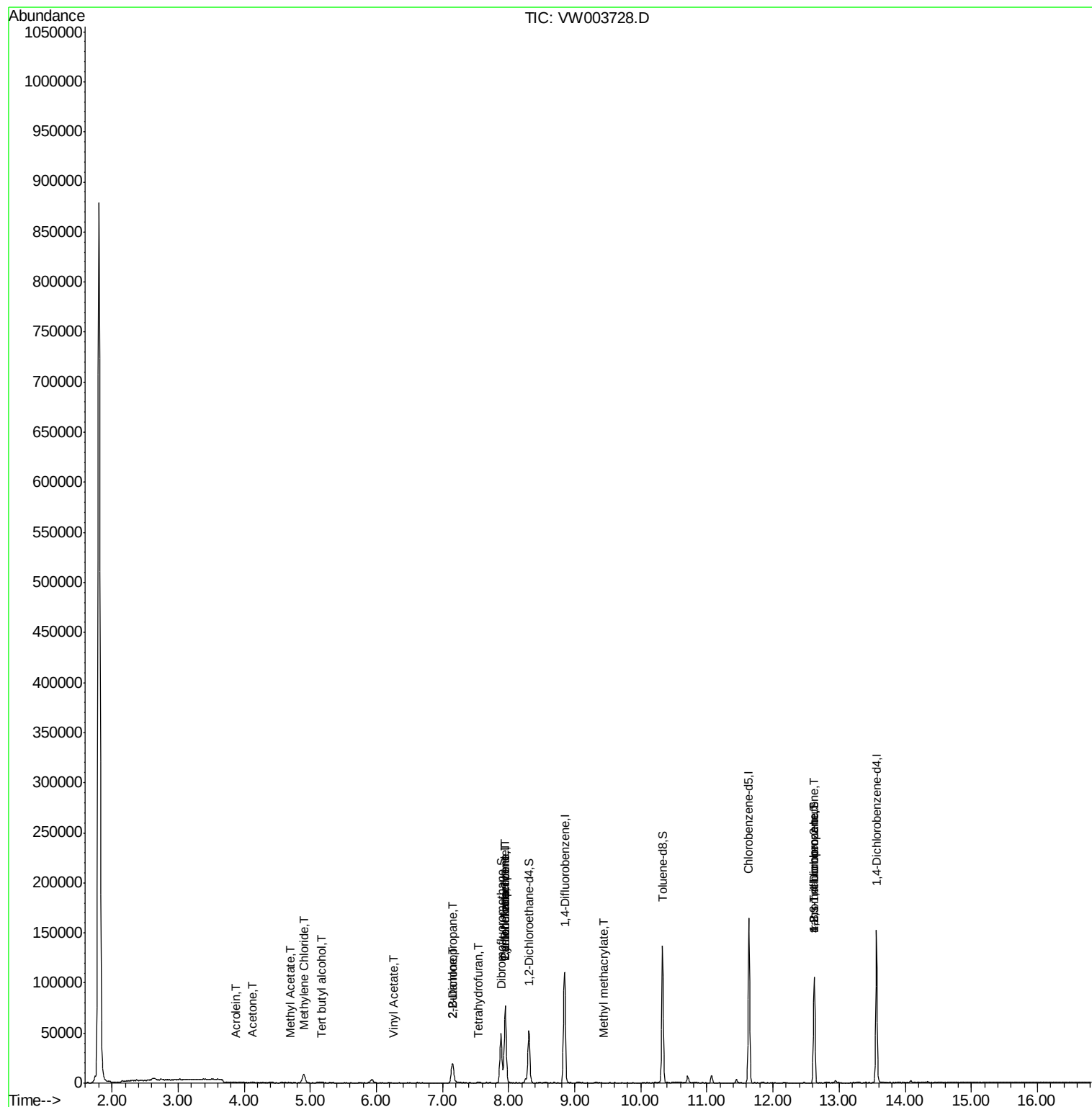
						Qvalue
11) Tert butyl alcohol	5.17	59	90	2.209	ug/l #	71
13) Acrolein	3.87	56	21	1.062	ug/l #	16
16) Acetone	4.13	43	1611	10.365	ug/l	90
18) Methyl Acetate	4.69	43	108	1.042	ug/l #	53
20) Methylene Chloride	4.90	84	5782	6.830	ug/l	88
23) Vinyl Acetate	6.26	43	19	13.878	ug/l #	74
25) 2-Butanone	7.16	43	1507	7.572	ug/l #	50
26) 2,2-Dichloropropane	7.15	77	1372	2.047	ug/l #	52
29) Tetrahydrofuran	7.54	42	413	3.462	ug/l #	36
31) Cyclohexane	7.95	56	1566	1.573	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	4707	5.253	ug/l #	51
38) Carbon Tetrachloride	7.95	117	5654	6.632	ug/l #	17
48) Methyl methacrylate	9.44	41	20	3.407	ug/l #	13
76) 1,2,3-Trichloropropane	12.62	75	15820	46.393	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	15820	98.304	ug/l #	9

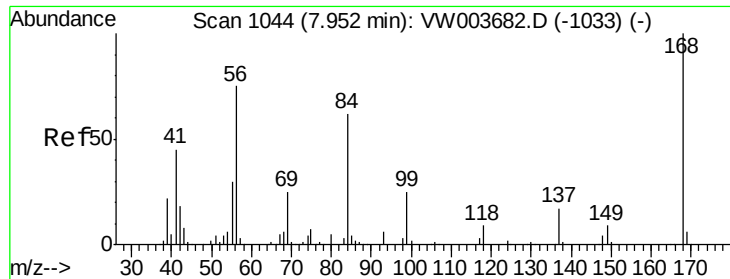
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW003728.D

Acq: 05 Jul 2018 18:18

Instrument :

MSVOA_W

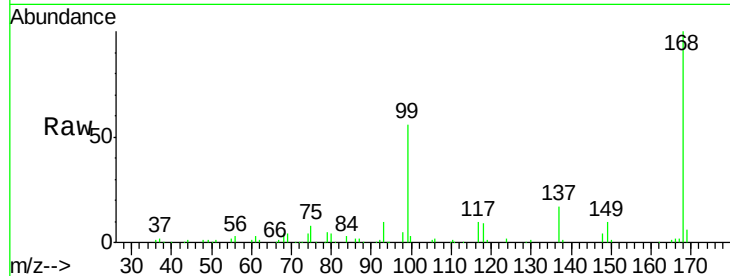
ClientSampleId :

Tot Ion:168 Resp: 54615

Ion Ratio Lower Upper

168 100

99 56.1 45.4 68.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

25000

20000

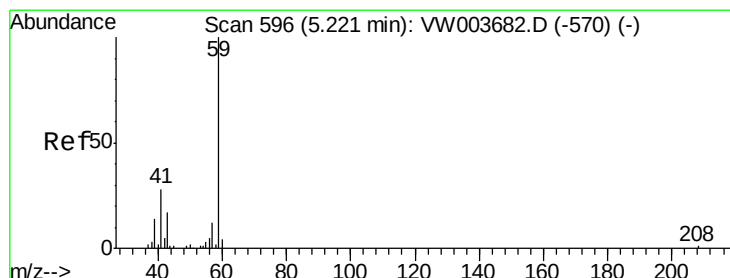
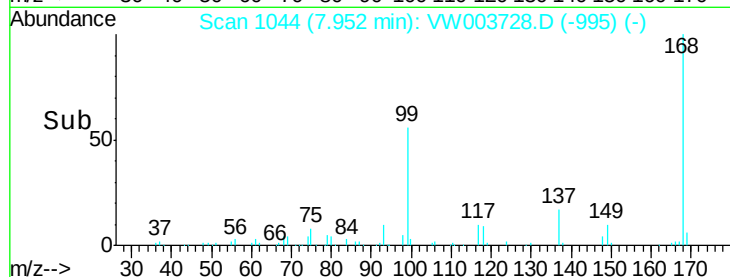
15000

10000

5000

0

Time-->



#11

Tert butyl alcohol

Concen: 2.209 ug/l

RT: 5.17 min Scan# 588

Delta R.T. -0.05 min

Lab File: VW003728.D

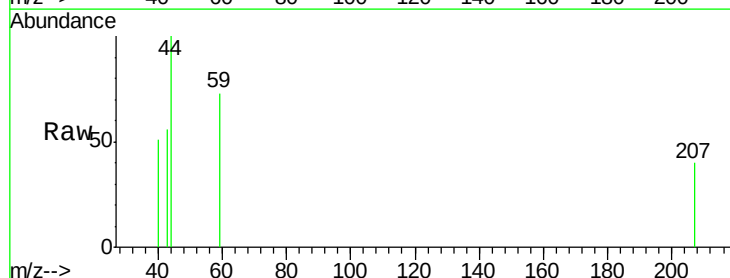
Acq: 05 Jul 2018 18:18

Tgt Ion: 59 Resp: 90

Ion Ratio Lower Upper

59 100

57 0.0 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.17

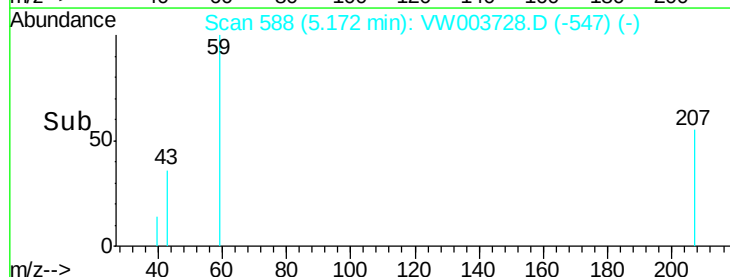
150

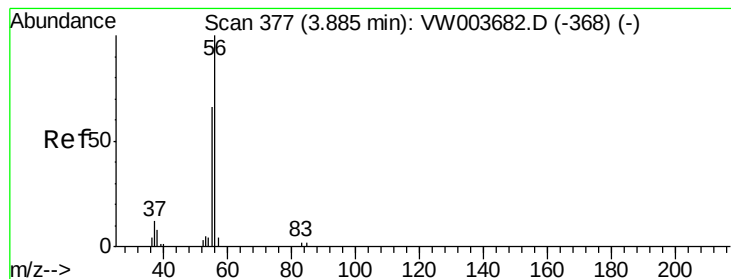
100

50

0

Time-->





#13

Acrolein

Concen: 1.062 ug/l

RT: 3.87 min Scan# 375

Delta R.T. -0.01 min

Lab File: VW003728.D

Acq: 05 Jul 2018 18:18

Instrument :

MSVOA_W

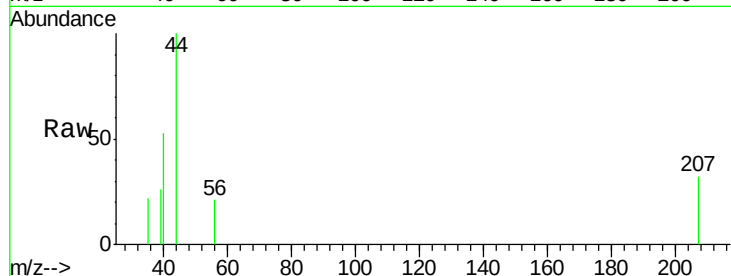
ClientSampleId :

Tot Ion: 56 Resp: 21

Ion Ratio Lower Upper

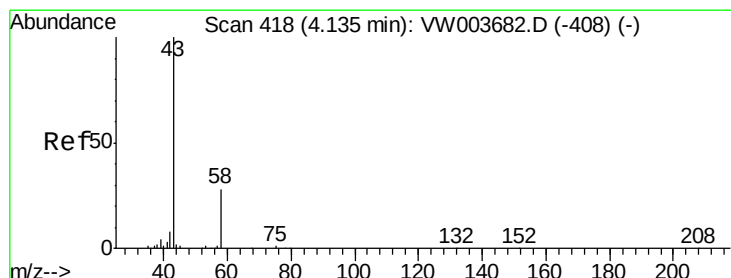
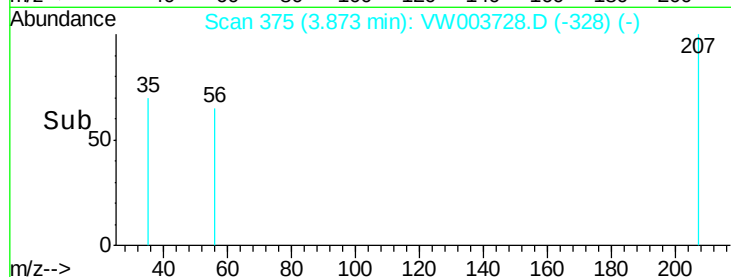
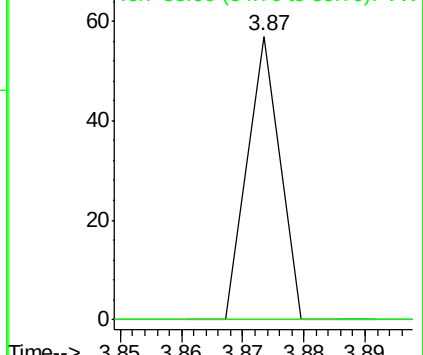
56 100

55 0.0 54.7 82.1#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#16

Acetone

Concen: 10.365 ug/l

RT: 4.13 min Scan# 417

Delta R.T. -0.01 min

Lab File: VW003728.D

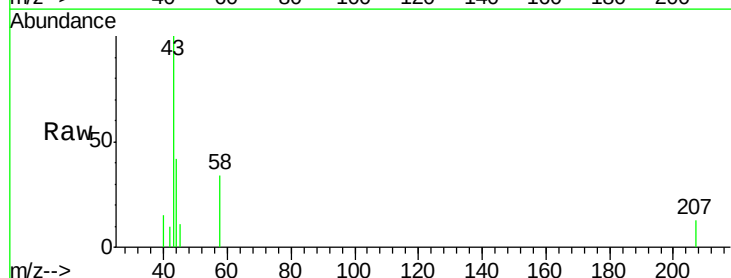
Acq: 05 Jul 2018 18:18

Tgt Ion: 43 Resp: 1611

Ion Ratio Lower Upper

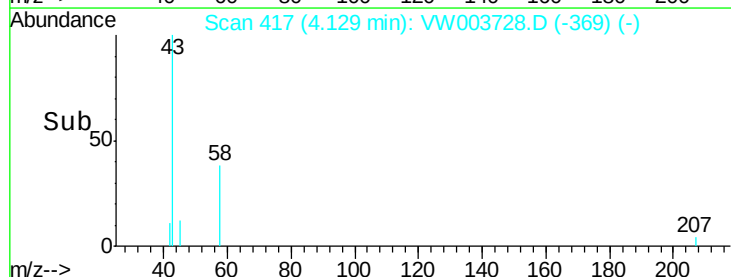
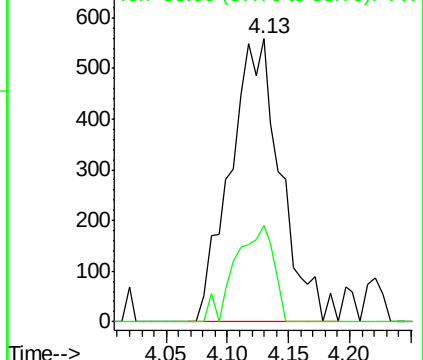
43 100

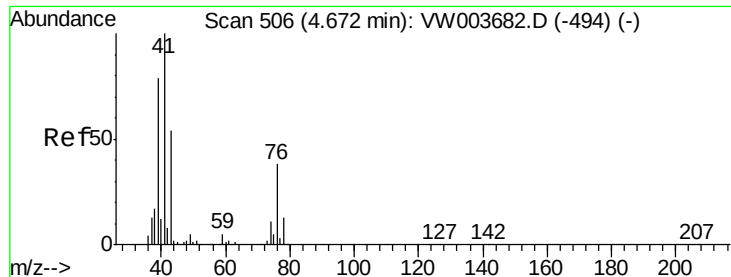
58 33.9 22.7 34.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

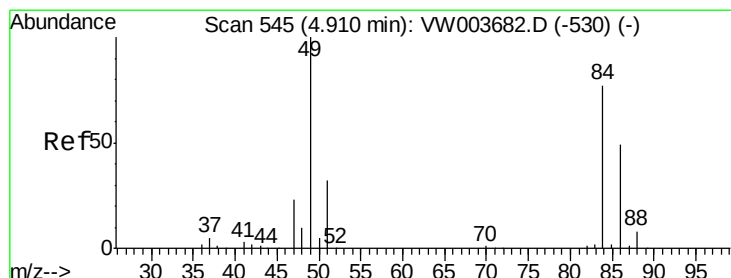
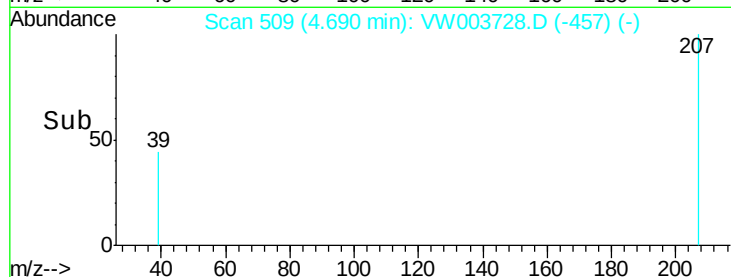
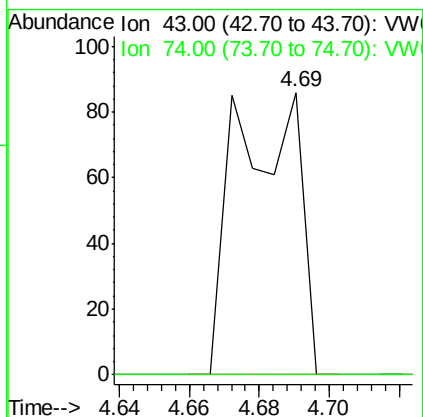
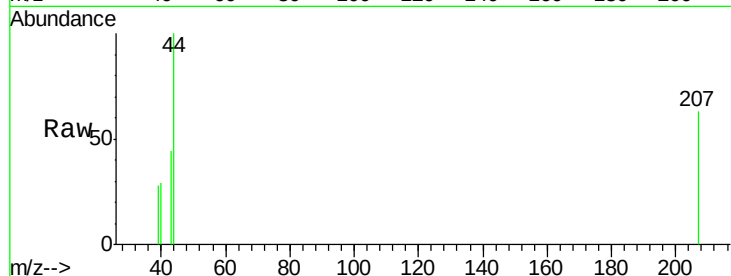




#18
Methyl Acetate
Concen: 1.042 ug/l
RT: 4.69 min Scan# 509
Delta R.T. 0.02 min
Lab File: VW003728.D
Acq: 05 Jul 2018 18:18

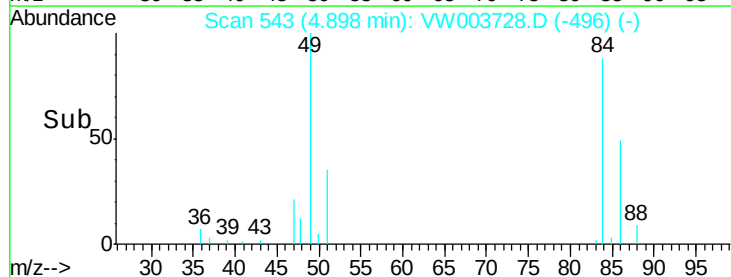
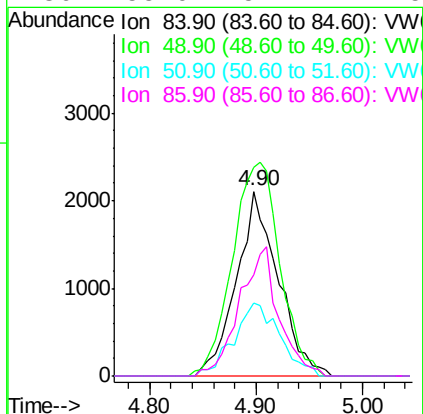
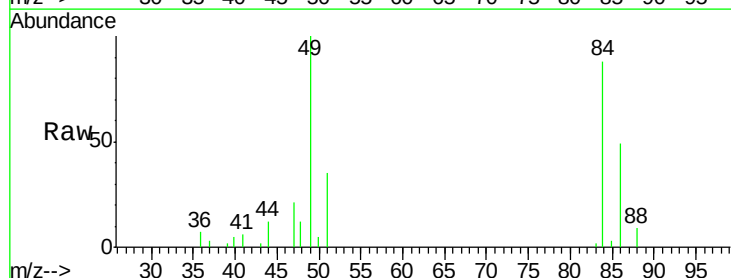
Instrument :
MSVOA_W
ClientSampled :

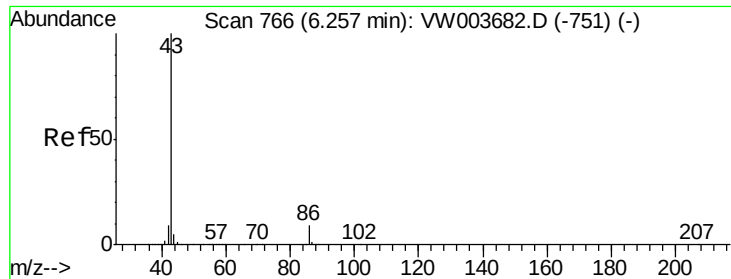
Tot Ion: 43 Resp: 108
Ion Ratio Lower Upper
43 100
74 0.0 18.2 27.2#



#20
Methylene Chloride
Concen: 6.830 ug/l
RT: 4.90 min Scan# 543
Delta R.T. -0.01 min
Lab File: VW003728.D
Acq: 05 Jul 2018 18:18

Tgt Ion: 84 Resp: 5782
Ion Ratio Lower Upper
84 100
49 113.1 104.6 156.8
51 39.5 33.2 49.8
86 55.0 51.7 77.5





#23

Vinyl Acetate

Concen: 13.878 ug/l

RT: 6.26 min Scan# 767

Delta R.T. 0.01 min

Lab File: VW003728.D

Acq: 05 Jul 2018 18:18

Instrument :

MSVOA_W

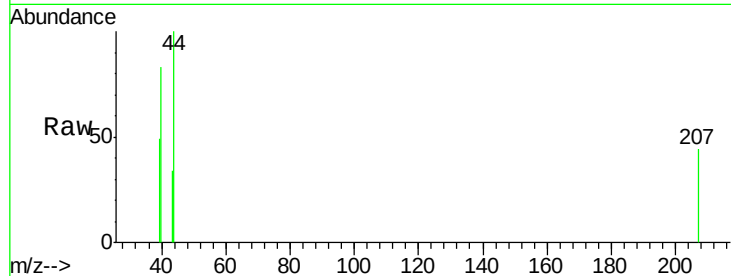
ClientSampleId :

Tot Ion: 43 Resp: 19

Ion Ratio Lower Upper

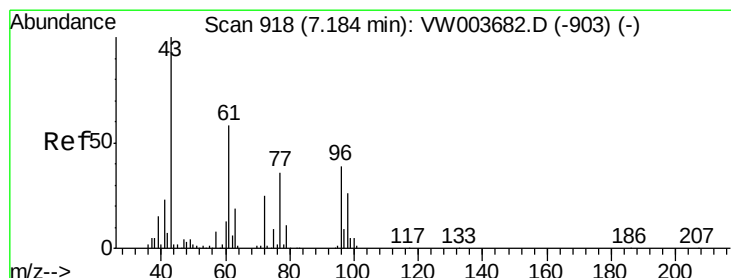
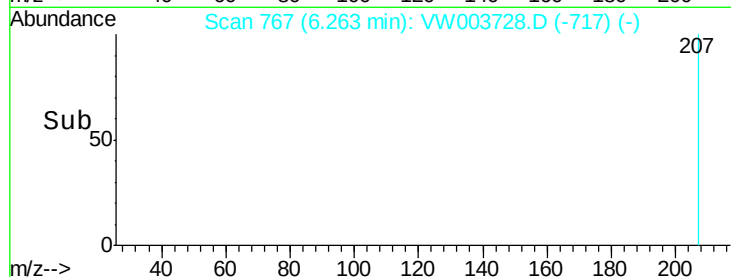
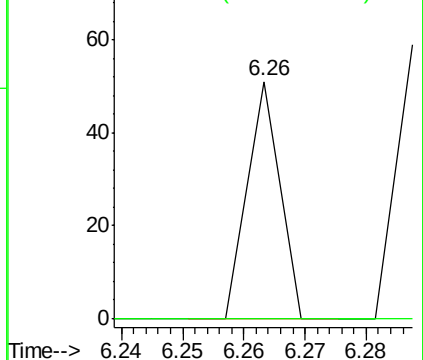
43 100

86 0.0 7.5 11.3#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#25

2-Butanone

Concen: 7.572 ug/l

RT: 7.16 min Scan# 914

Delta R.T. -0.02 min

Lab File: VW003728.D

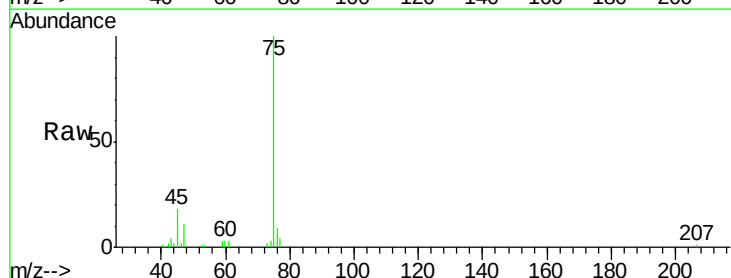
Acq: 05 Jul 2018 18:18

Tgt Ion: 43 Resp: 1507

Ion Ratio Lower Upper

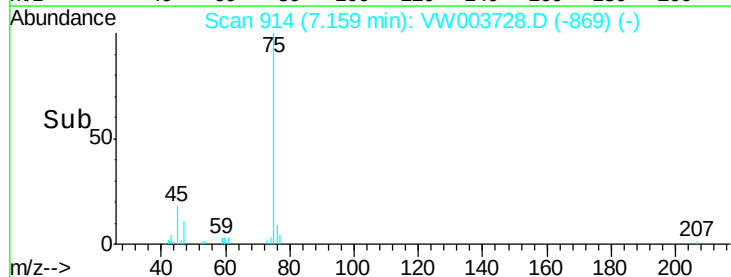
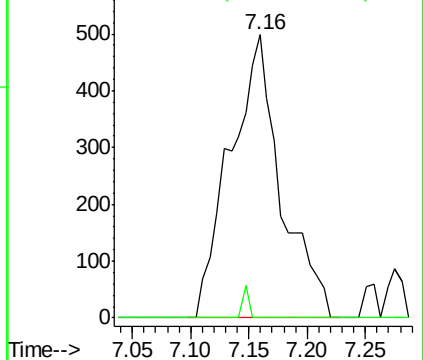
43 100

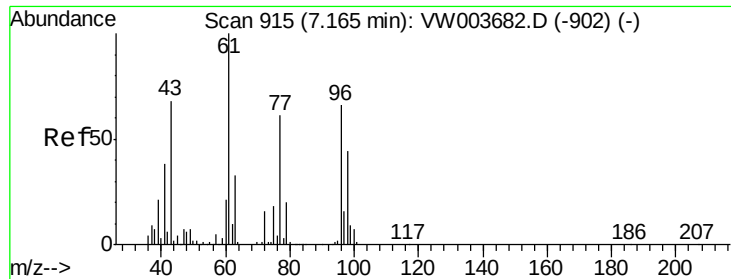
72 0.0 20.2 30.4#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

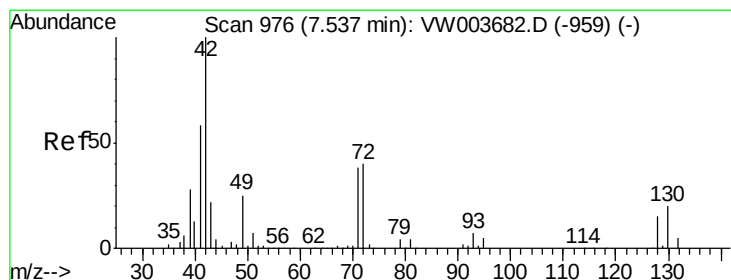
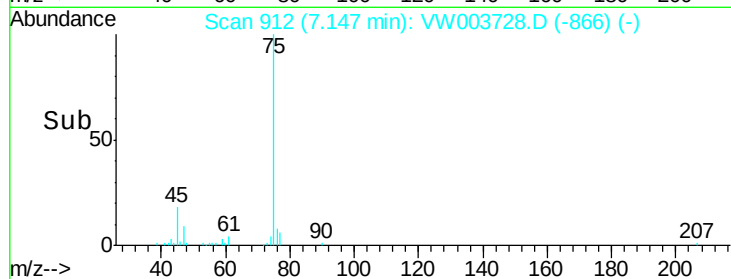
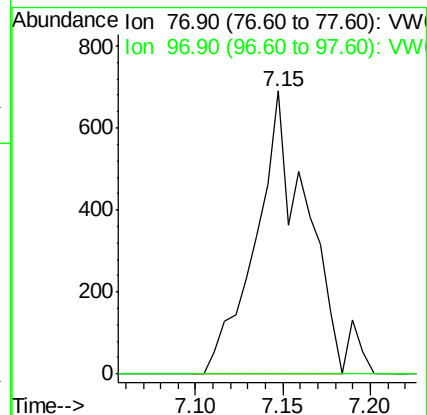
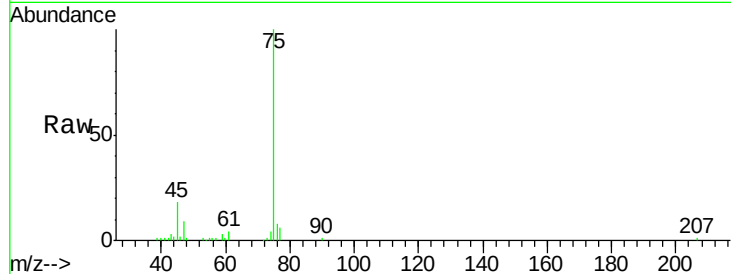




#26
 2,2-Dichloropropane
 Concen: 2.047 ug/l
 RT: 7.15 min Scan# 912
 Delta R.T. -0.02 min
 Lab File: VW003728.D
 Acq: 05 Jul 2018 18:18

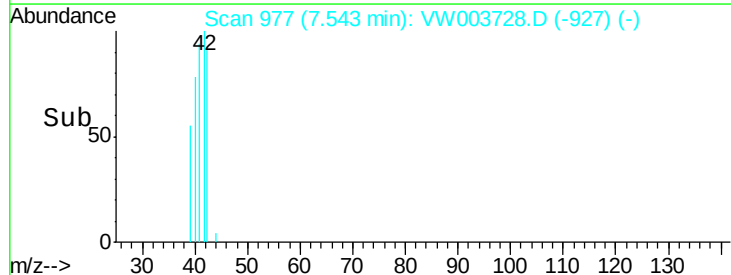
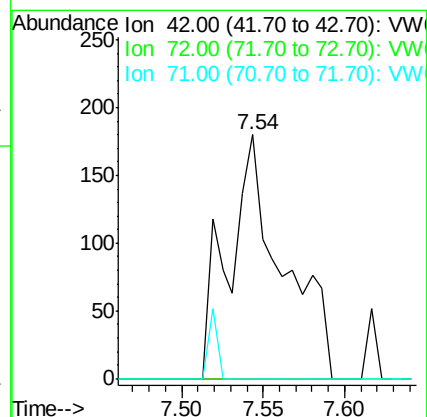
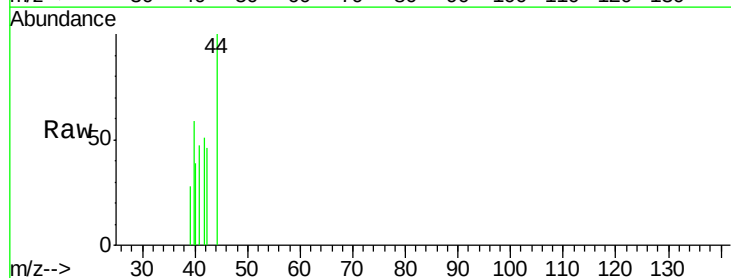
Instrument :
 MSVOA_W
 ClientSampled :

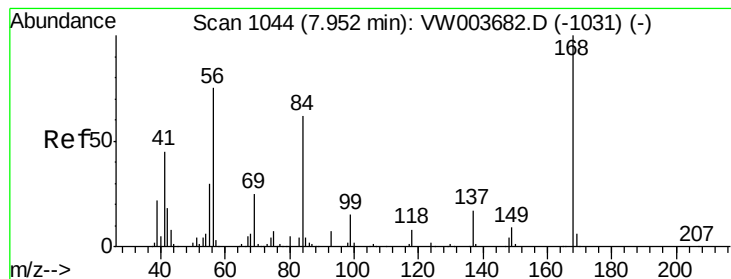
Tot Ion: 77 Resp: 1372
 Ion Ratio Lower Upper
 77 100
 97 0.0 11.7 35.1#



#29
 Tetrahydrofuran
 Concen: 3.462 ug/l
 RT: 7.54 min Scan# 977
 Delta R.T. 0.01 min
 Lab File: VW003728.D
 Acq: 05 Jul 2018 18:18

Tgt Ion: 42 Resp: 413
 Ion Ratio Lower Upper
 42 100
 72 0.0 32.0 48.0#
 71 0.0 30.2 45.2#





#31

Cyclohexane

Concen: 1.573 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW003728.D

Acq: 05 Jul 2018 18:18

Instrument :

MSVOA_W

ClientSampled :

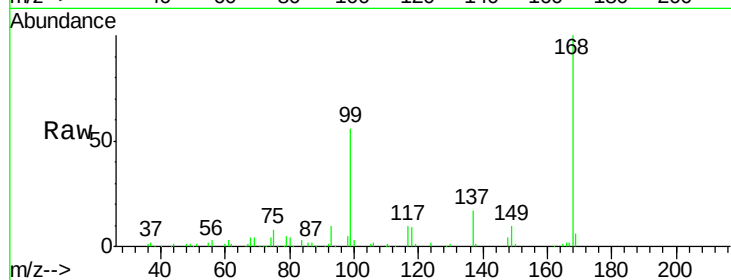
Tot Ion: 56 Resp: 1566

Ion Ratio Lower Upper

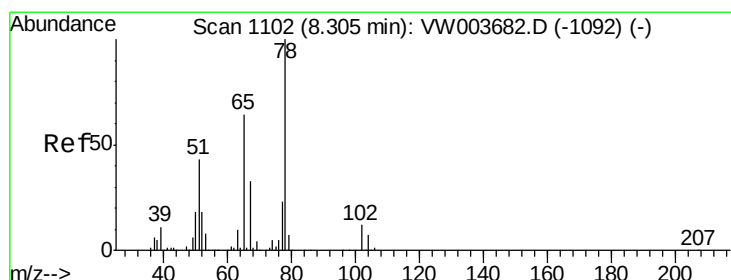
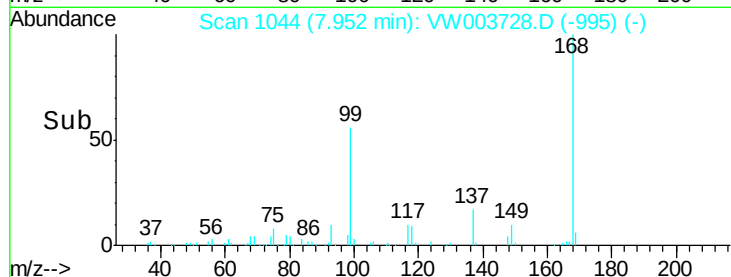
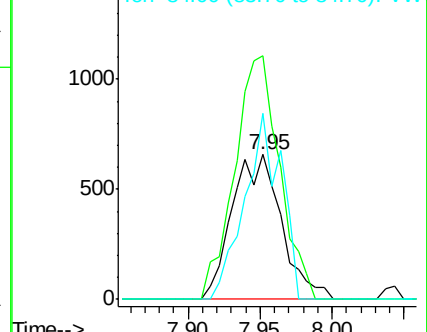
56 100

69 168.3 27.0 40.4#

84 128.2 65.4 98.0#



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: 61.124 ug/l

RT: 8.31 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VW003728.D

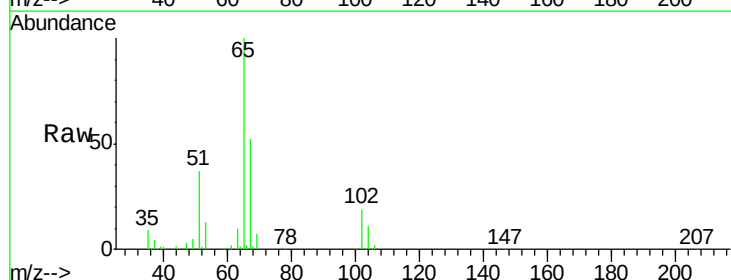
Acq: 05 Jul 2018 18:18

Tgt Ion: 65 Resp: 39799

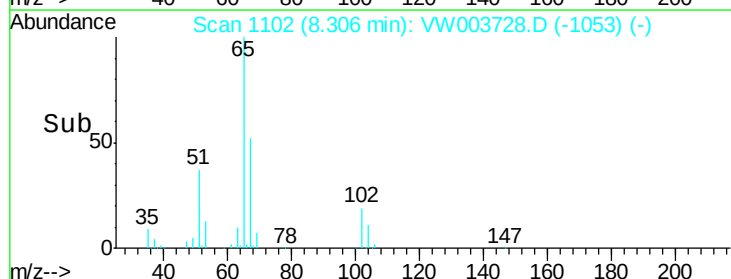
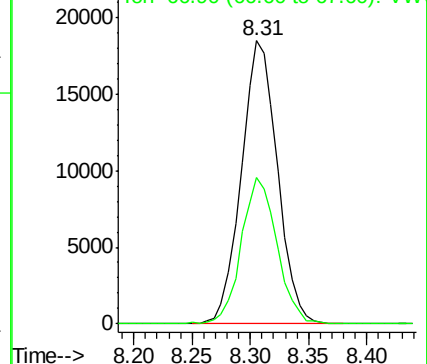
Ion Ratio Lower Upper

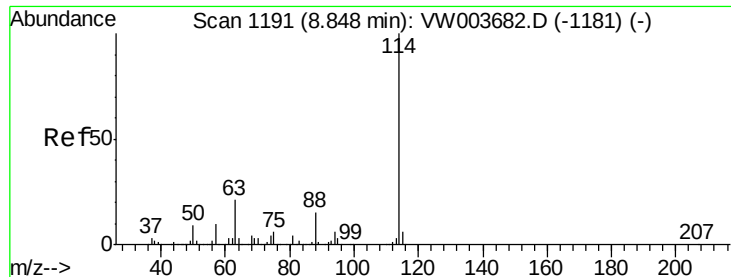
65 100

67 51.2 0.0 104.0



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# 1191

Delta R.T. 0.00 min

Lab File: VW003728.D

Acq: 05 Jul 2018 18:18

Instrument :

MSVOA_W

ClientSampleId :

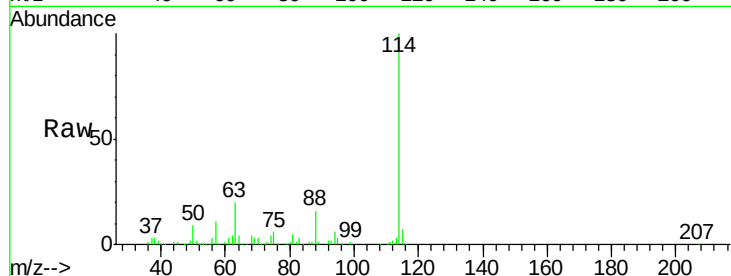
Tot Ion:114 Resp: 89270

Ion Ratio Lower Upper

114 100

63 20.5 0.0 41.6

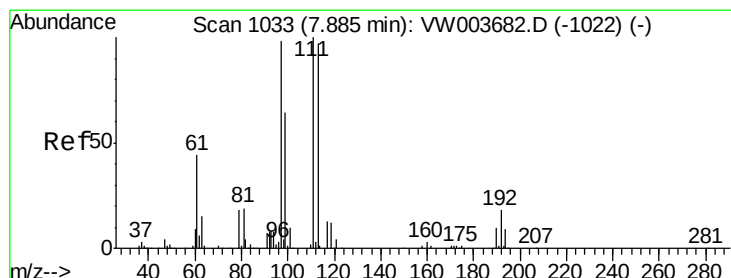
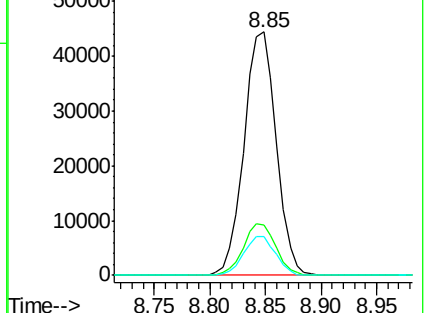
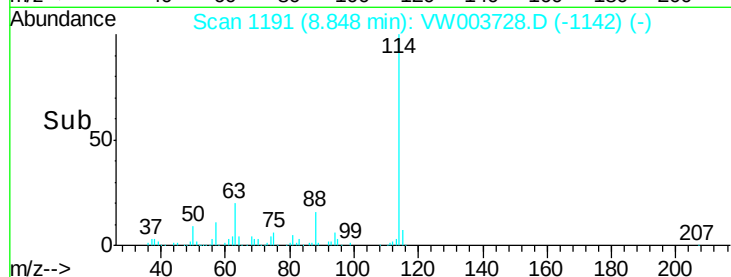
88 15.7 0.0 29.8



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: 56.726 ug/l

RT: 7.88 min Scan# 1033

Delta R.T. 0.00 min

Lab File: VW003728.D

Acq: 05 Jul 2018 18:18

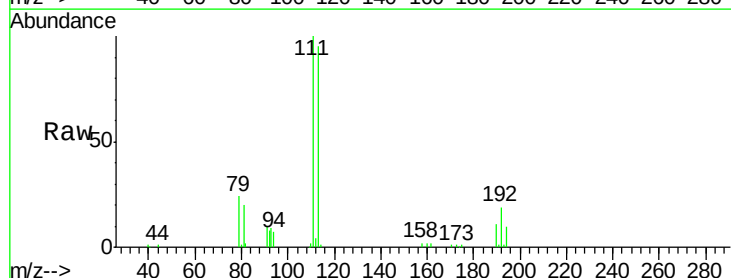
Tgt Ion:113 Resp: 33027

Ion Ratio Lower Upper

113 100

111 102.5 82.4 123.6

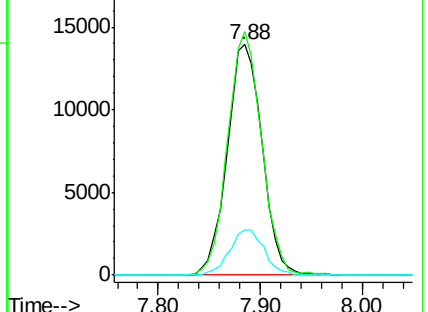
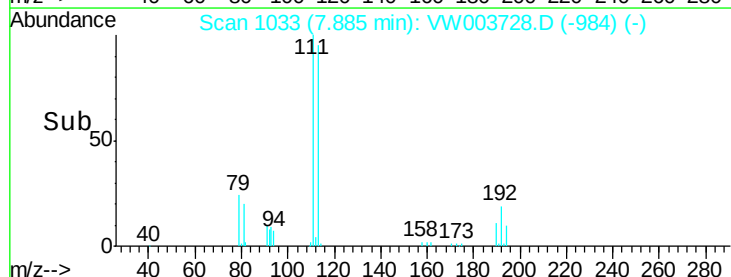
192 19.5 15.8 23.6

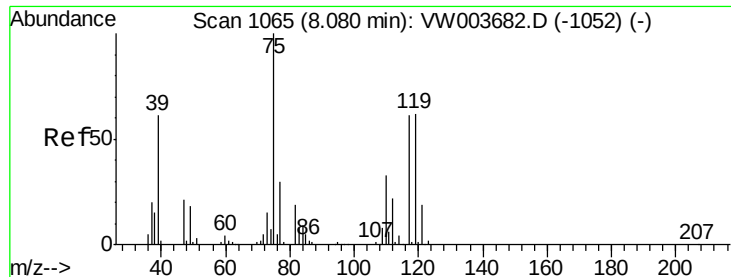


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

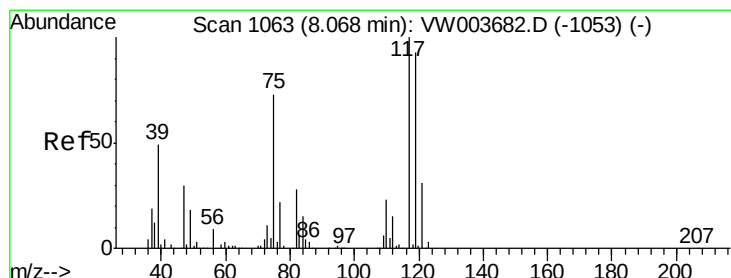
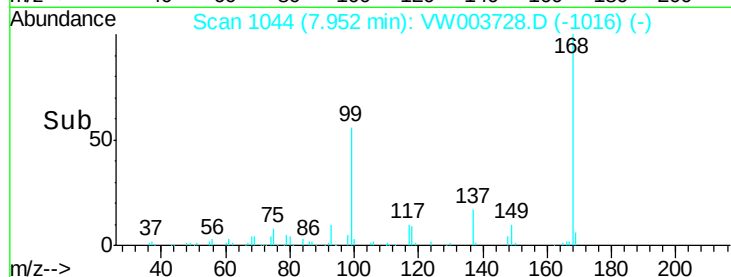
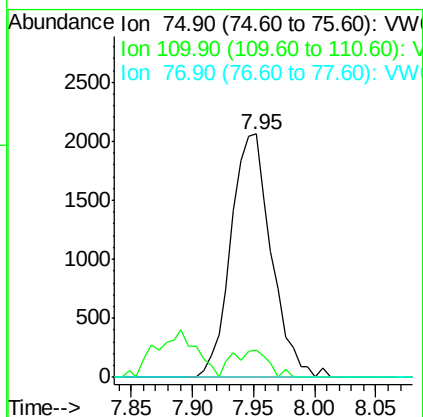
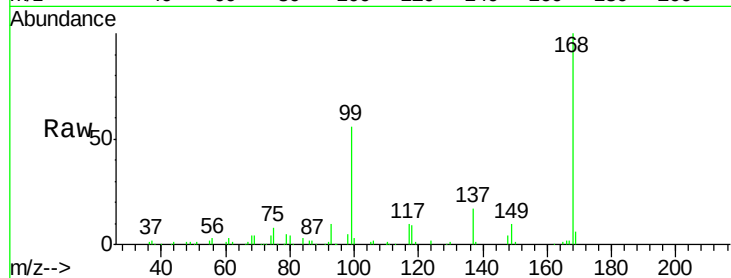




#36
 1,1-Dichloropropene
 Concen: 5.253 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.13 min
 Lab File: VW003728.D
 Acq: 05 Jul 2018 18:18

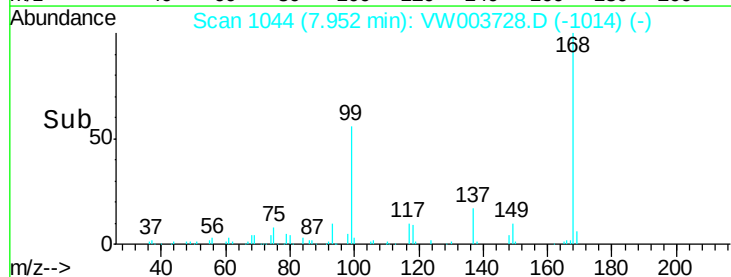
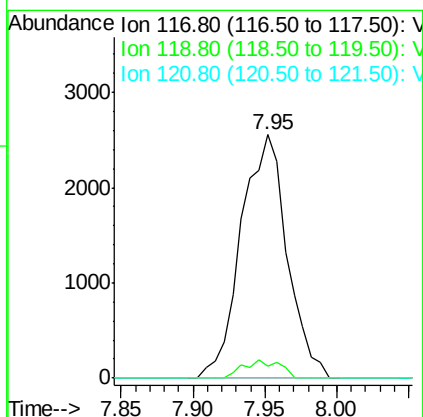
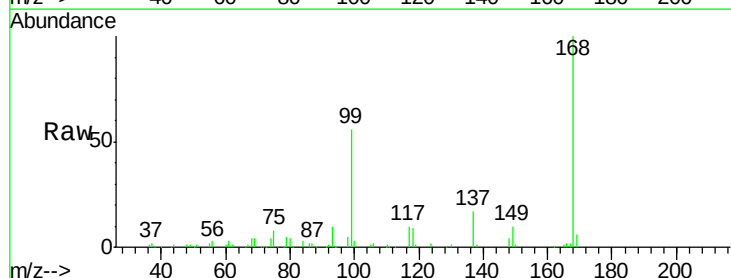
Instrument :
 MSVOA_W
 ClientSampled :

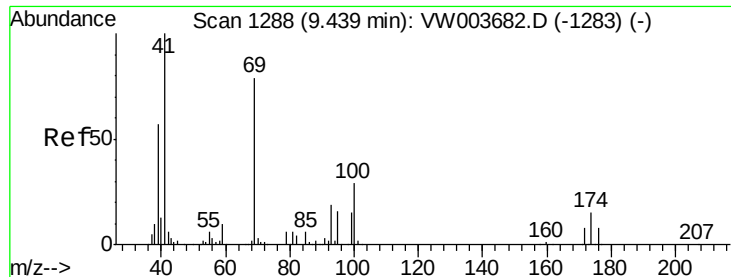
Tot Ion: 75 Resp: 4707
 Ion Ratio Lower Upper
 75 100
 110 10.2 16.9 50.6#
 77 0.0 24.9 37.3#



#38
 Carbon Tetrachloride
 Concen: 6.632 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.12 min
 Lab File: VW003728.D
 Acq: 05 Jul 2018 18:18

Tgt Ion: 117 Resp: 5654
 Ion Ratio Lower Upper
 117 100
 119 5.0 74.1 111.1#
 121 0.0 25.0 37.4#

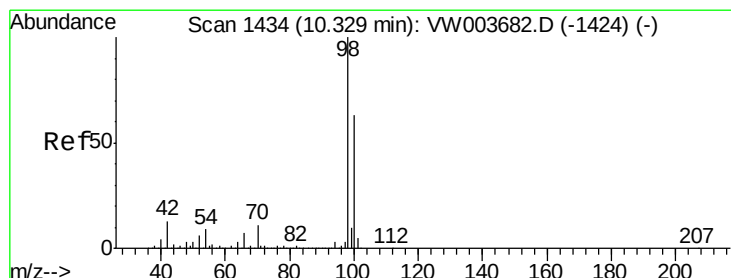
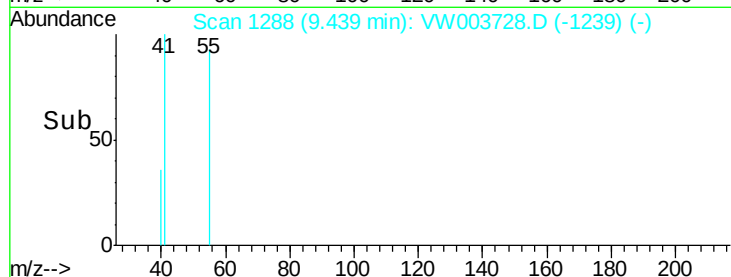
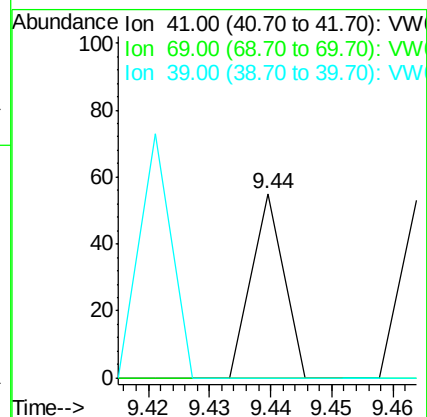
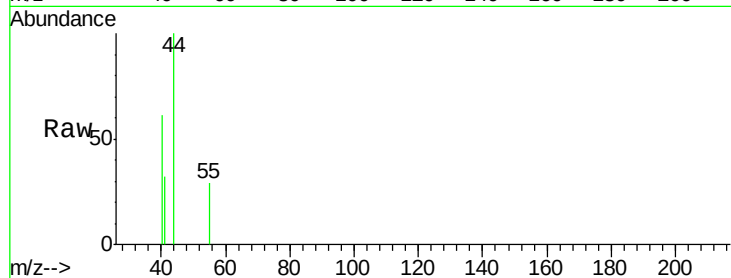




#48
Methyl methacrylate
Concen: 3.407 ug/l
RT: 9.44 min Scan# 1288
Delta R.T. 0.00 min
Lab File: VW003728.D
Acq: 05 Jul 2018 18:18

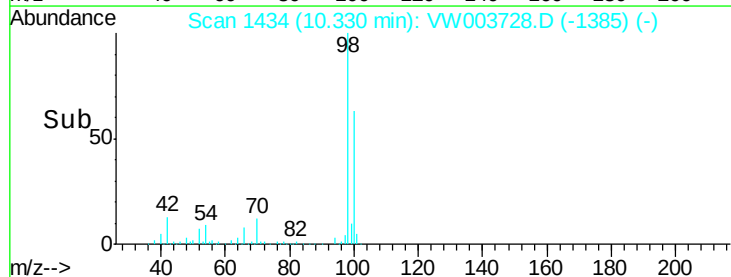
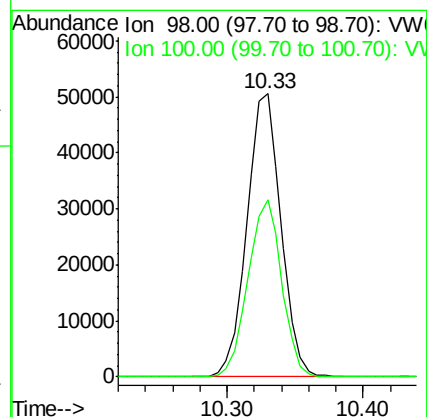
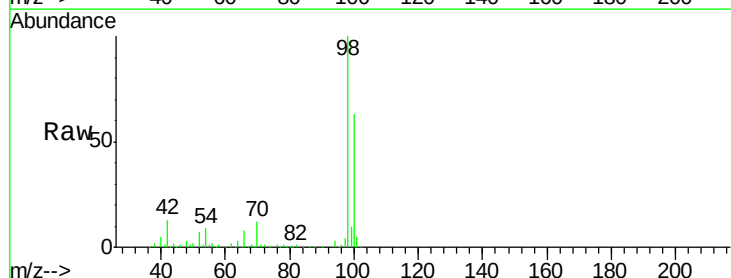
Instrument :
MSVOA_W
ClientSampled :

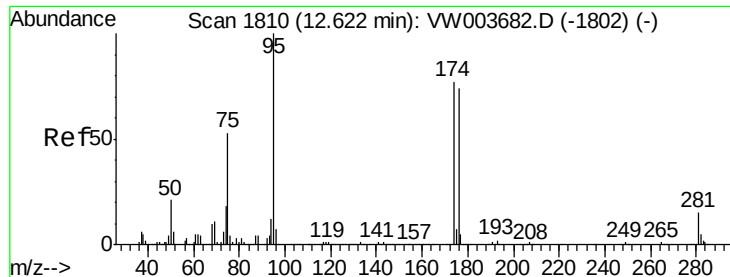
Tot Ion: 41 Resp: 20
Ion Ratio Lower Upper
41 100
69 0.0 65.4 98.2#
39 0.0 50.0 75.0#



#50
Toluene-d8
Concen: 38.725 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VW003728.D
Acq: 05 Jul 2018 18:18

Tgt Ion: 98 Resp: 88512
Ion Ratio Lower Upper
98 100
100 61.8 50.8 76.2





#62

4-Bromofluorobenzene

Concen: 35.477 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VW003728.D

Acq: 05 Jul 2018 18:18

Instrument :

MSVOA_W

ClientSampleId :

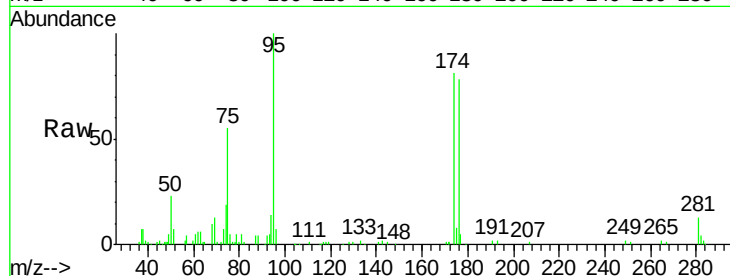
Tot Ion: 95 Resp: 29131

Ion Ratio Lower Upper

95 100

174 87.2 0.0 161.2

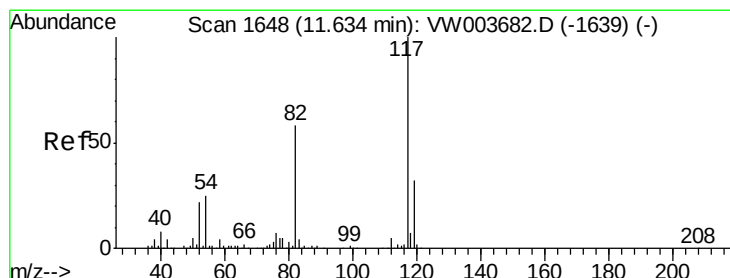
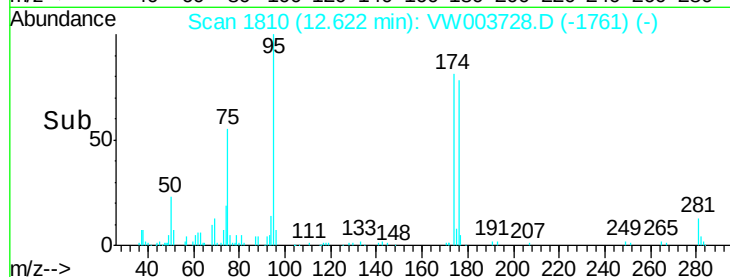
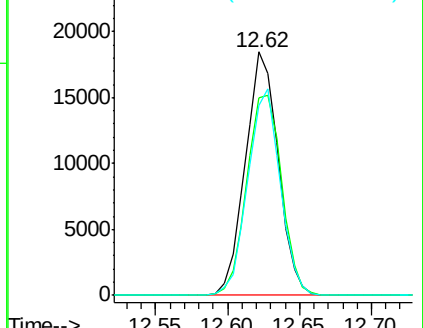
176 83.3 0.0 155.0



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# 1648

Delta R.T. 0.00 min

Lab File: VW003728.D

Acq: 05 Jul 2018 18:18

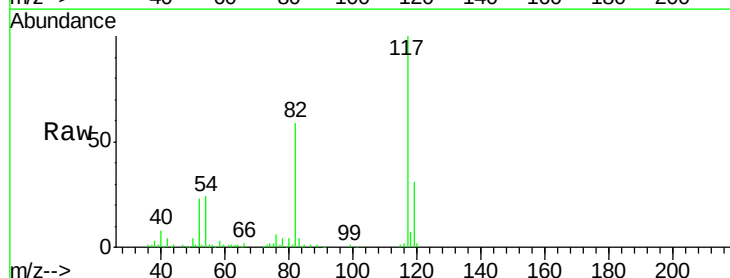
Tgt Ion: 117 Resp: 87994

Ion Ratio Lower Upper

117 100

82 59.2 46.0 69.0

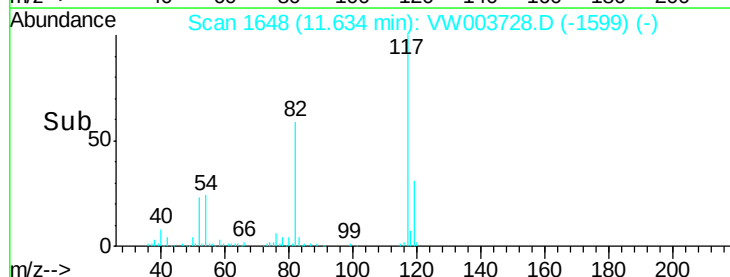
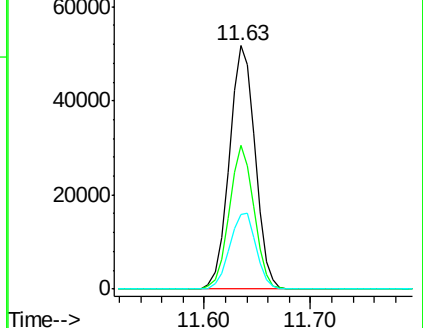
119 30.8 25.4 38.0

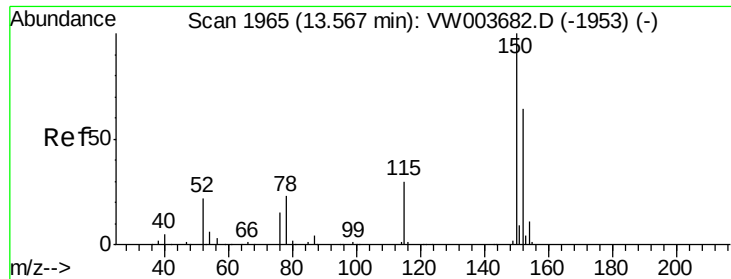


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW



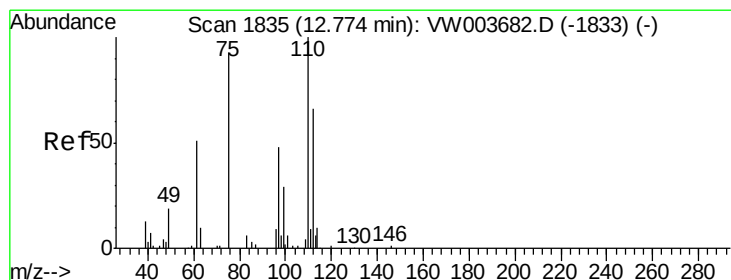
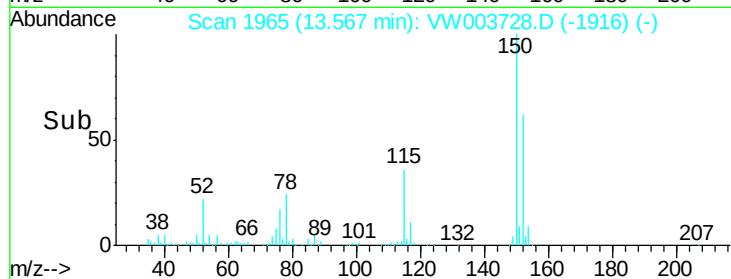
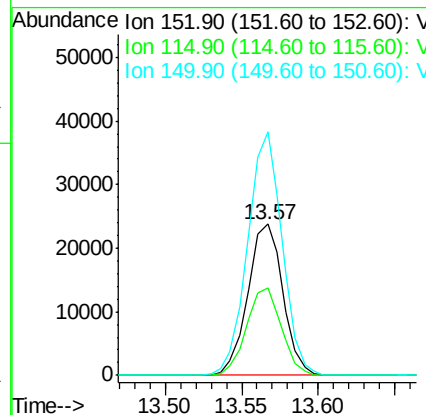
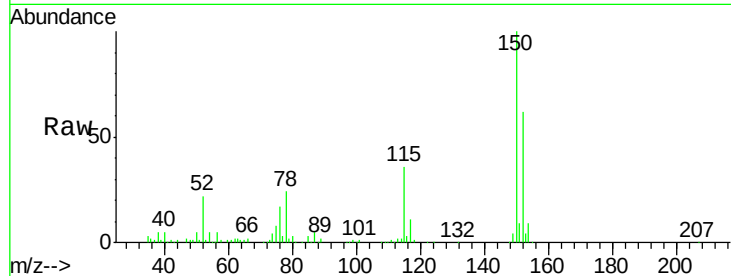


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. 0.00 min
Lab File: VW003728.D
Acq: 05 Jul 2018 18:18

Instrument :
MSVOA_W
ClientSampleId :

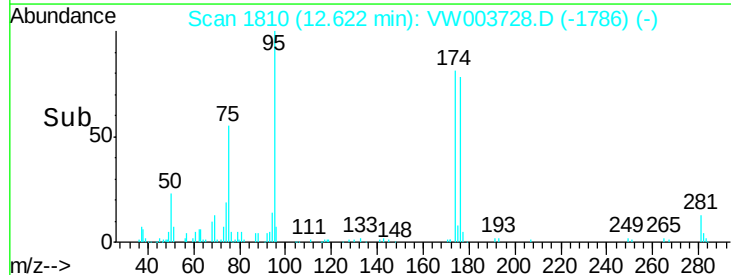
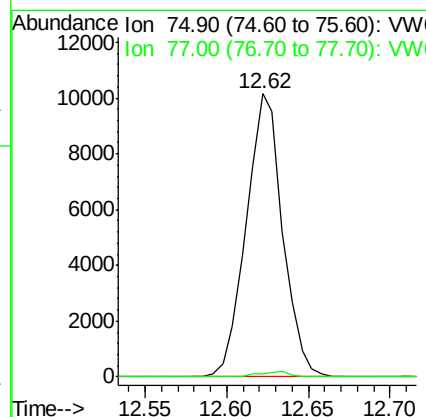
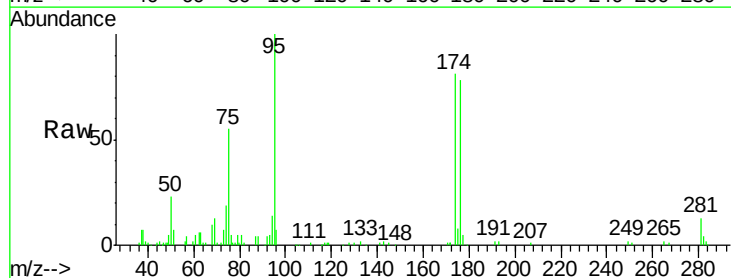
Tot Ion:152 Resp: 37925
Ion Ratio Lower Upper
152 100
115 57.1 29.3 88.0
150 157.7 0.0 352.0

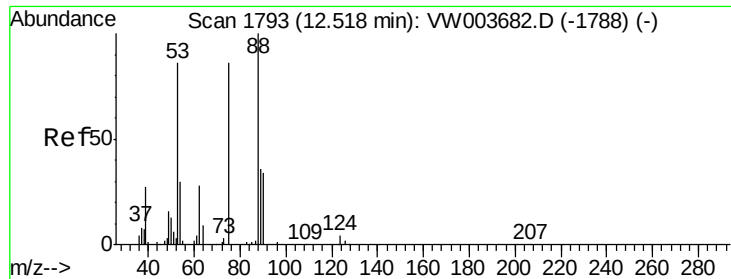


#76

1,2,3-Trichloropropane
Concen: 46.393 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. -0.15 min
Lab File: VW003728.D
Acq: 05 Jul 2018 18:18

Tgt Ion: 75 Resp: 15820
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 98.304 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW003728.D

Acq: 05 Jul 2018 18:18

Instrument :

MSVOA_W

ClientSampleId :

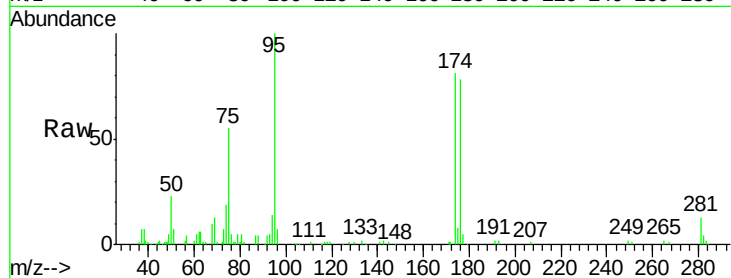
Tot Ion: 75 Resp: 15820

Ion Ratio Lower Upper

75 100

53 0.0 82.4 123.6#

89 0.0 35.9 53.9#



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

