

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW070518\
 Data File : VW003729.D
 Acq On : 05 Jul 2018 18:44
 Operator : SY/AP
 Sample : J3845-08
 Misc : 5.07G/7ML/MSVOA W/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 06 02:37:05 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	6284	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	9020	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	8893	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	3583	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	4473	59.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	119.42%	
35) Dibromofluoromethane	7.90	113	3714	63.13	ug/l	0.01
Spiked Amount	50.000		Recovery	=	126.26%	
50) Toluene-d8	10.33	98	8218	35.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	71.16%	
62) 4-Bromofluorobenzene	12.62	95	2867	34.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	69.12%	

Target Compounds

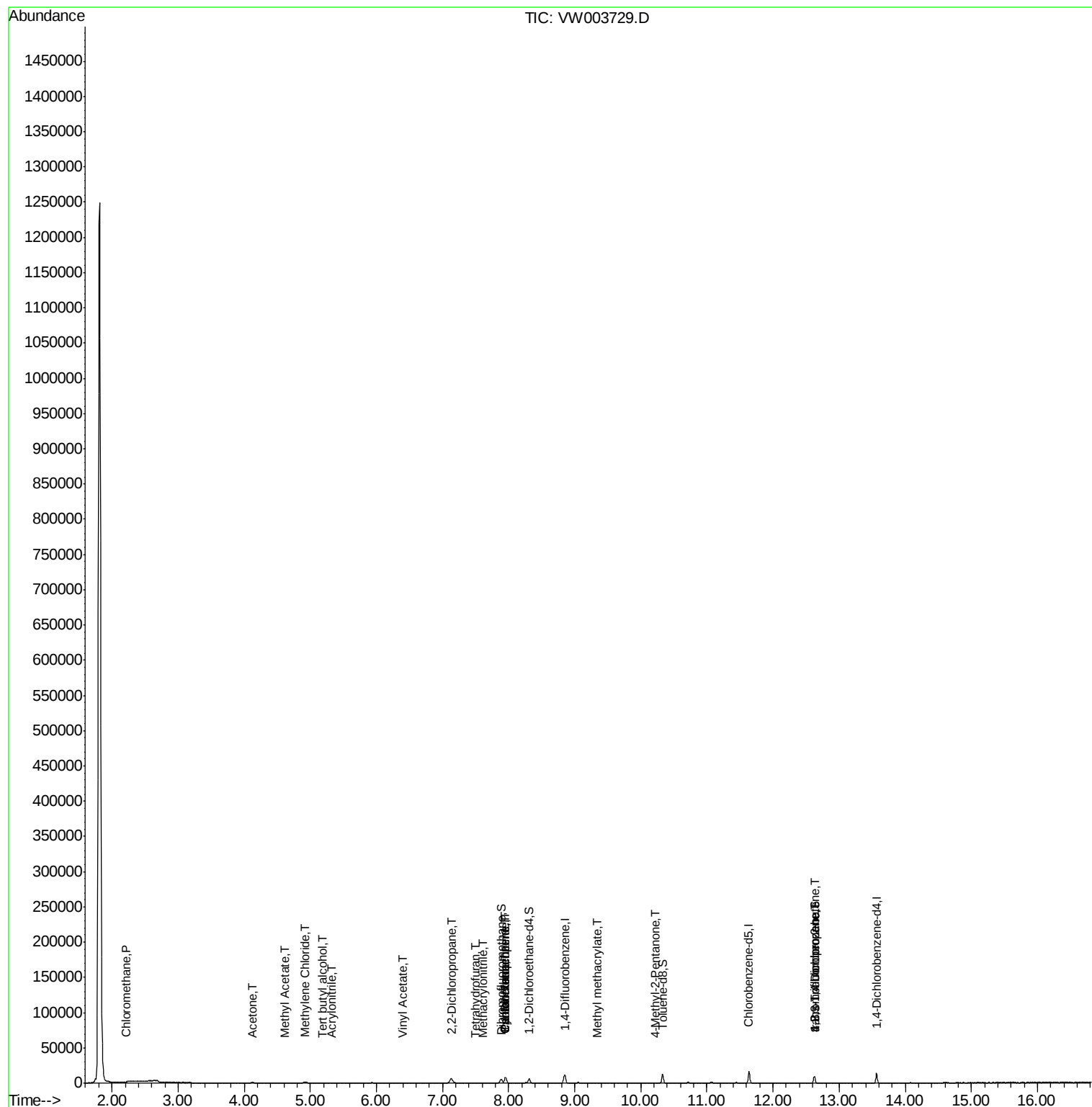
						Qvalue
3) Chloromethane	2.21	50	72	1.438	ug/l #	42
11) Tert butyl alcohol	5.19	59	20	4.266	ug/l #	71
15) Acrylonitrile	5.32	53	31	1.989	ug/l #	17
16) Acetone	4.12	43	1054	58.937	ug/l	94
18) Methyl Acetate	4.62	43	23	1.311	ug/l #	53
20) Methylene Chloride	4.91	84	924	10.876	ug/l #	89
23) Vinyl Acetate	6.40	43	45	14.161	ug/l #	74
26) 2,2-Dichloropropane	7.13	77	443	5.744	ug/l #	52
29) Tetrahydrofuran	7.51	42	19	1.384	ug/l #	36
31) Cyclohexane	7.96	56	156	1.362	ug/l #	64
36) 1,1-Dichloropropene	7.95	75	570	6.295	ug/l #	42
38) Carbon Tetrachloride	7.96	117	697	8.092	ug/l #	13
41) Methacrylonitrile	7.61	41	42	1.677	ug/l #	32
48) Methyl methacrylate	9.34	41	28	3.959	ug/l #	13
51) 4-Methyl-2-Pentanone	10.22	43	44	1.006	ug/l #	38
76) 1,2,3-Trichloropropane	12.62	75	1525	47.336	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	1525	100.302	ug/l #	9

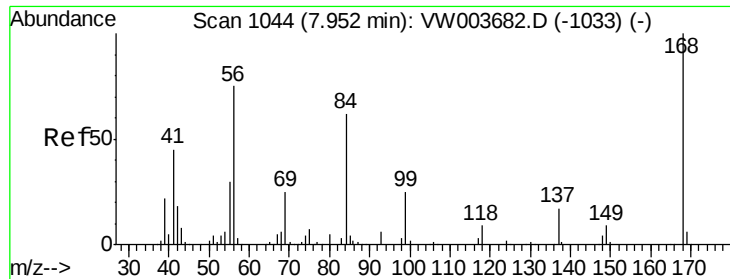
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VW003729.D

Acq: 05 Jul 2018 18:44

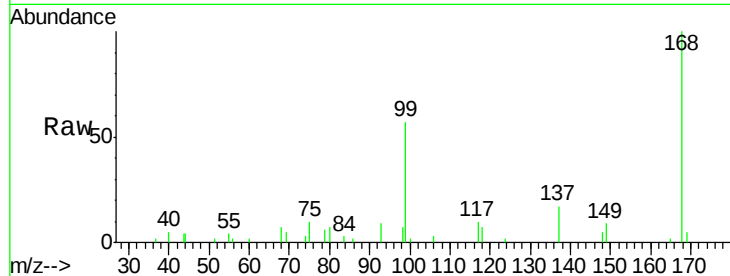
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 6284

Ion Ratio Lower Upper

168 100

99 57.0 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

2500

2000

1500

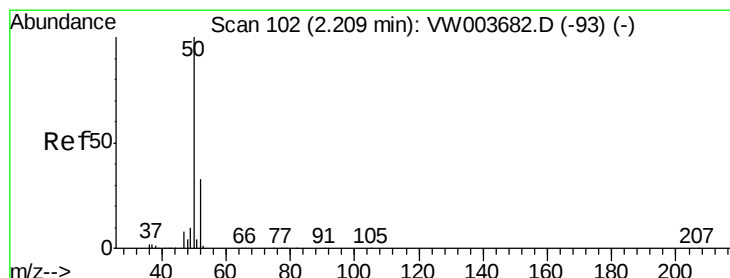
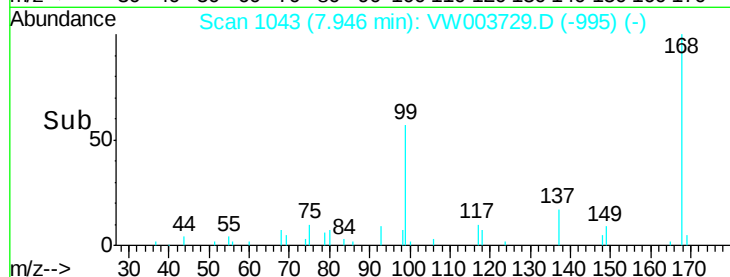
1000

500

0

Time-->

7.85 7.90 7.95 8.00 8.05



#3

Chloromethane

Concen: 1.438 ug/l

RT: 2.21 min Scan# 102

Delta R.T. 0.00 min

Lab File: VW003729.D

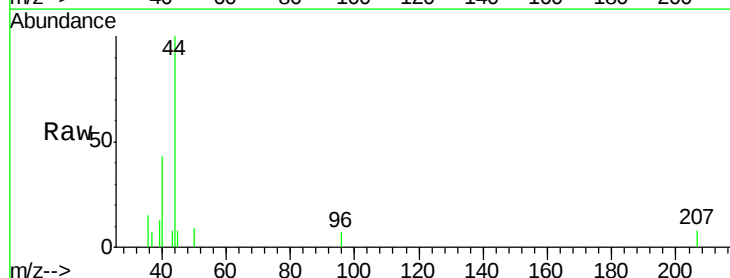
Acq: 05 Jul 2018 18:44

Tgt Ion: 50 Resp: 72

Ion Ratio Lower Upper

50 100

52 0.0 26.1 39.1#



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW

2.21

60

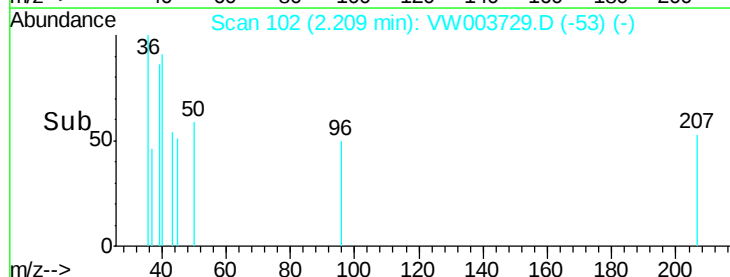
40

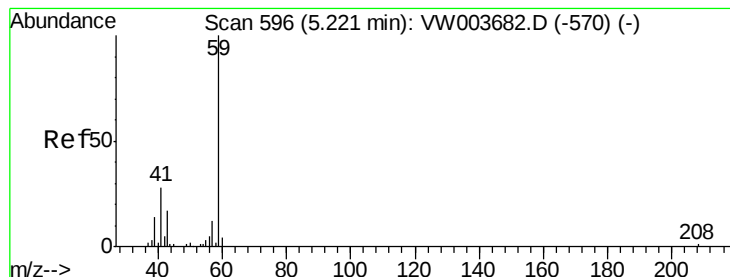
20

0

Time-->

2.18 2.20 2.22 2.24



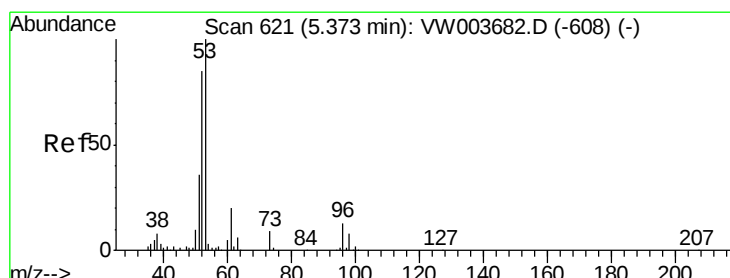
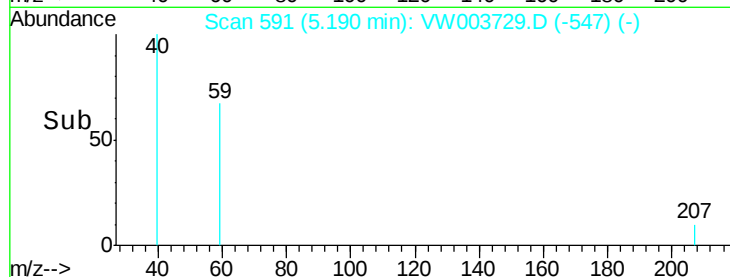
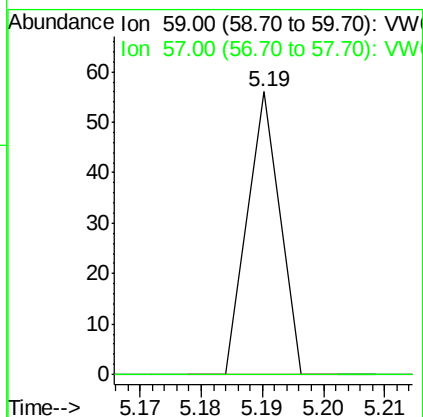
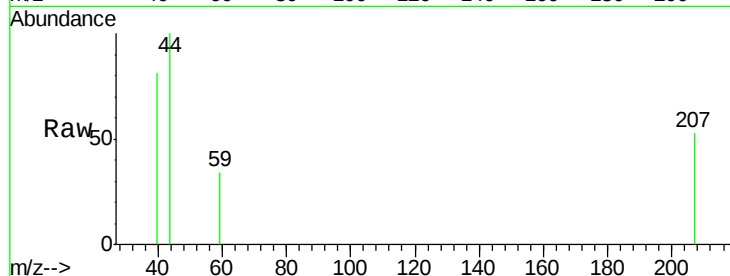


#11

Tert butyl alcohol
 Concen: 4.266 ug/l
 RT: 5.19 min Scan# 591
 Delta R.T. -0.03 min
 Lab File: VW003729.D
 Acq: 05 Jul 2018 18:44

Instrument :
 MSVOA_W
 ClientSampled :

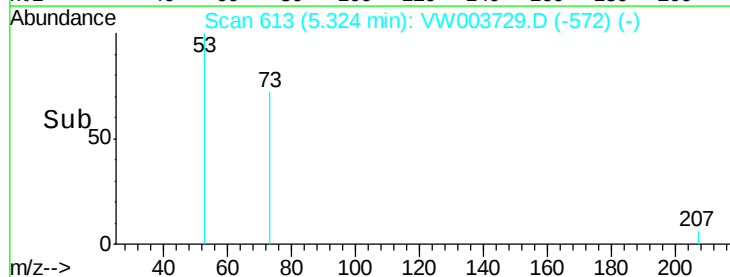
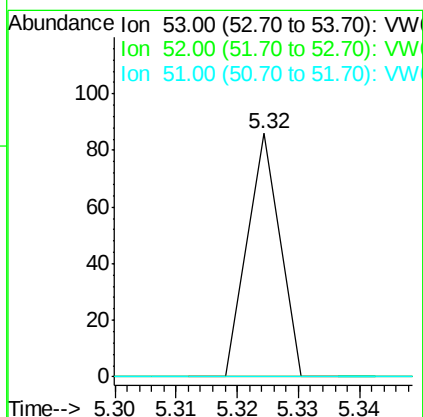
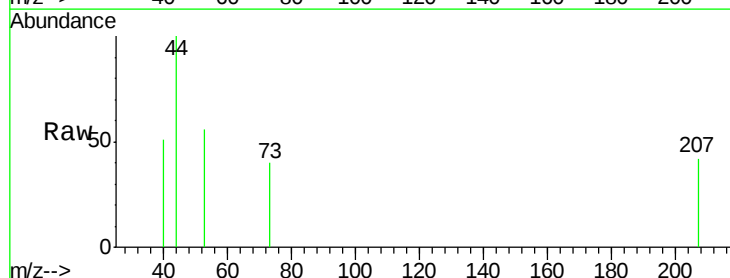
Tot Ion: 59 Resp: 20
 Ion Ratio Lower Upper
 59 100
 57 0.0 9.0 13.4#

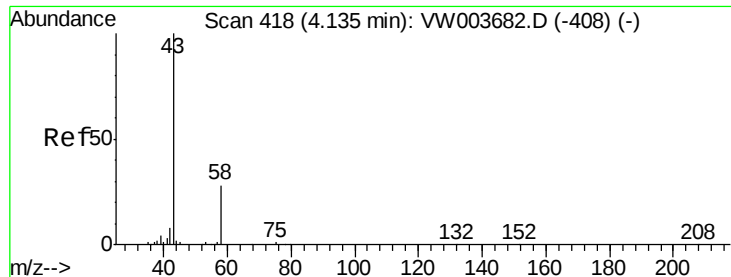


#15

Acrylonitrile
 Concen: 1.989 ug/l
 RT: 5.32 min Scan# 613
 Delta R.T. -0.05 min
 Lab File: VW003729.D
 Acq: 05 Jul 2018 18:44

Tgt Ion: 53 Resp: 31
 Ion Ratio Lower Upper
 53 100
 52 0.0 66.8 100.2#
 51 0.0 30.2 45.4#





#16

Acetone

Concen: 58.937 ug/l

RT: 4.12 min Scan# 416

Delta R.T. -0.01 min

Lab File: VW003729.D

Acq: 05 Jul 2018 18:44

Instrument :

MSVOA_W

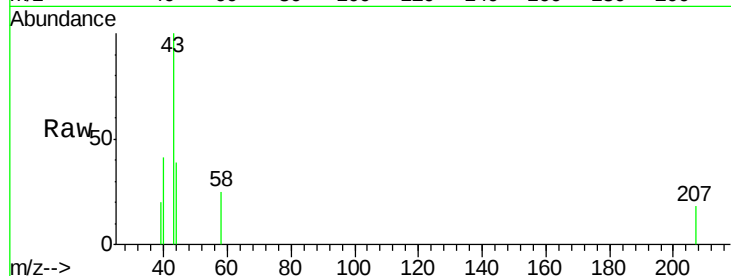
ClientSampled :

Tot Ion: 43 Resp: 1054

Ion Ratio Lower Upper

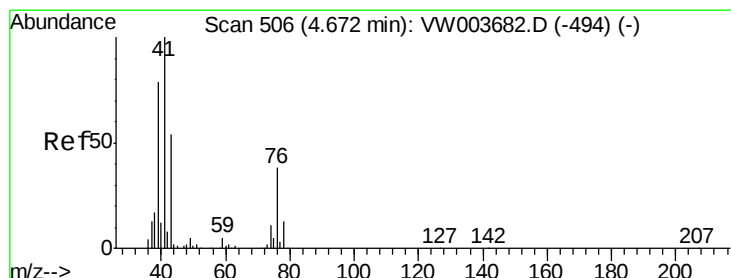
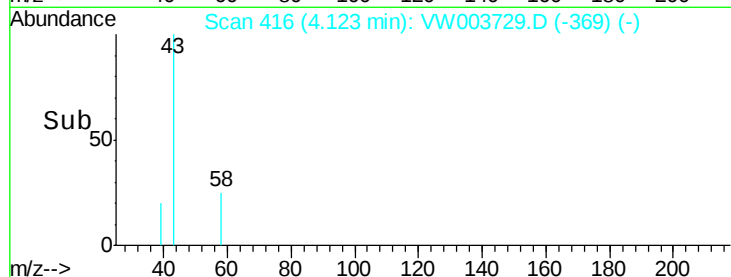
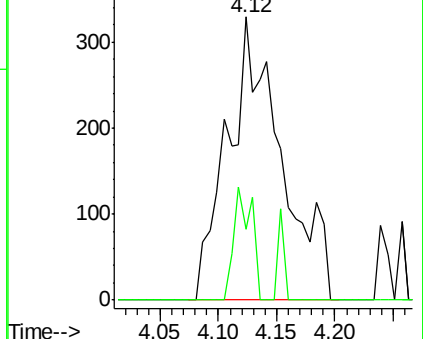
43 100

58 25.2 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: 1.311 ug/l

RT: 4.62 min Scan# 497

Delta R.T. -0.05 min

Lab File: VW003729.D

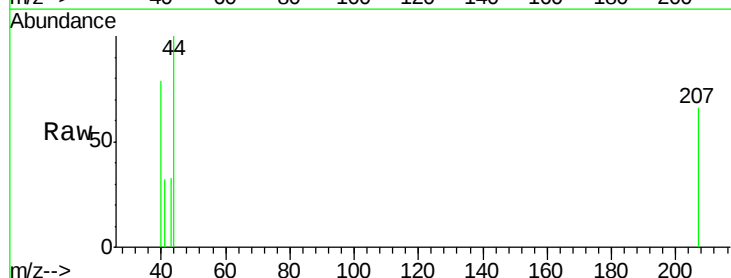
Acq: 05 Jul 2018 18:44

Tgt Ion: 43 Resp: 23

Ion Ratio Lower Upper

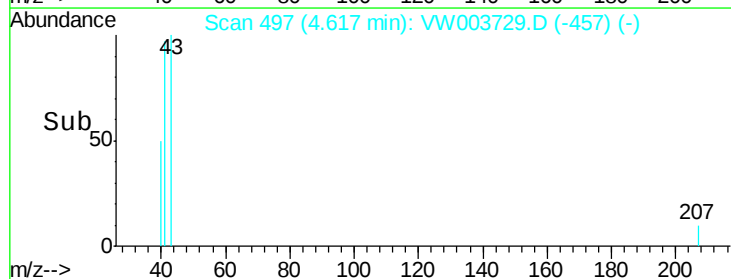
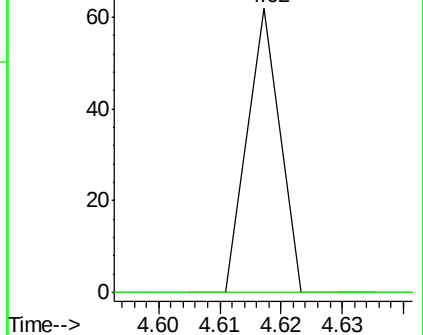
43 100

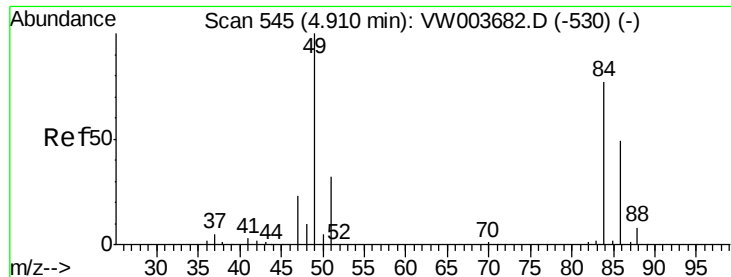
74 0.0 18.2 27.2#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW





#20

Methvlene Chloride

Concen: 10.876 ug/l

RT: 4.91 min Scan# 545

Delta R.T. 0.00 min

Lab File: VW003729.D

Acq: 05 Jul 2018 18:44

Instrument :

MSVOA_W

ClientSampled :

Tot Ion: 84 Resp: 924

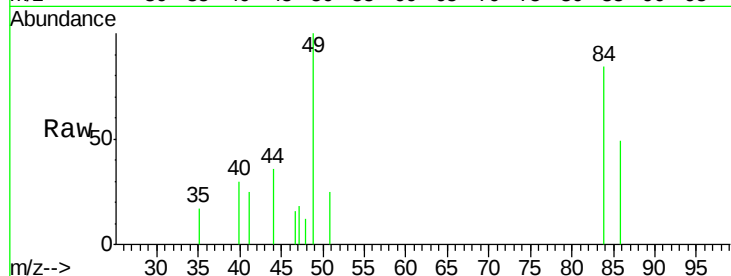
Ion Ratio Lower Upper

84 100

49 119.5 104.6 156.8

51 30.0 33.2 49.8#

86 58.3 51.7 77.5

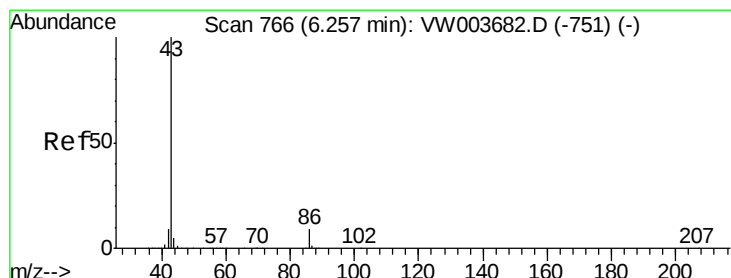
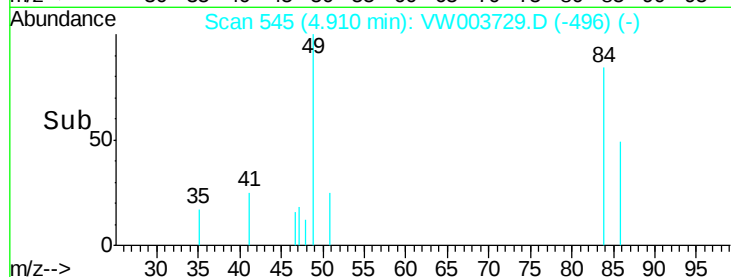
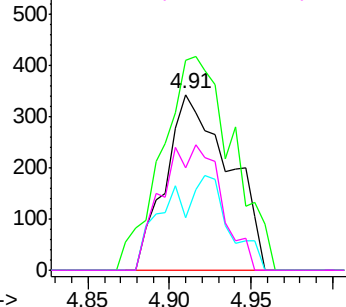


Abundance Ion 83.90 (83.60 to 84.60): VW

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



#23

Vinyl Acetate

Concen: 14.161 ug/l

RT: 6.40 min Scan# 789

Delta R.T. 0.14 min

Lab File: VW003729.D

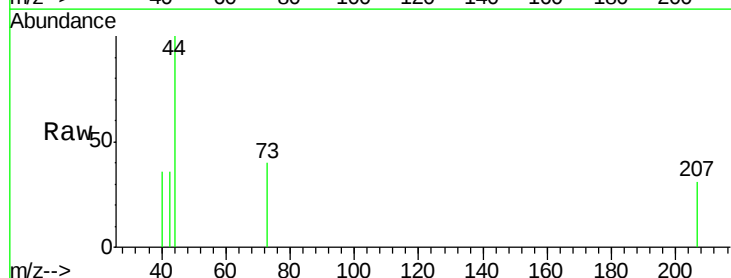
Acq: 05 Jul 2018 18:44

Tgt Ion: 43 Resp: 45

Ion Ratio Lower Upper

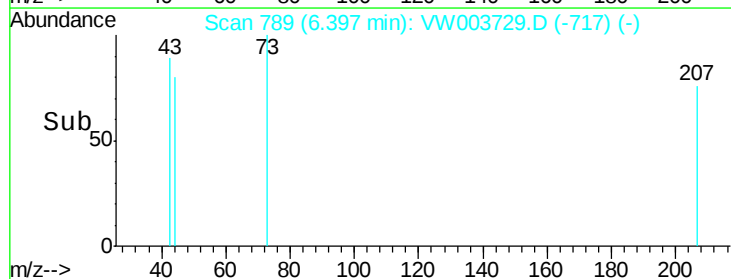
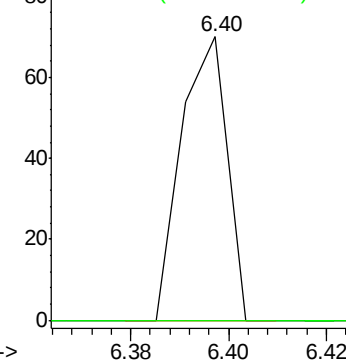
43 100

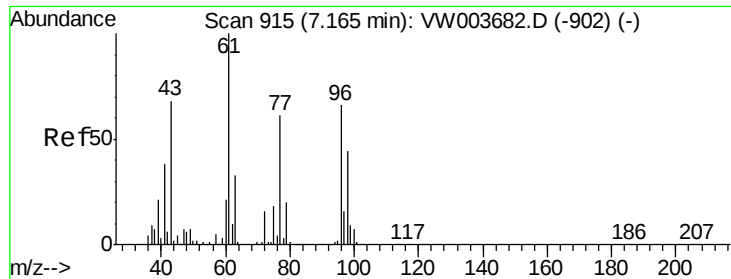
86 0.0 7.5 11.3#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW





#26

2,2-Dichloropropane

Concen: 5.744 ug/l

RT: 7.13 min Scan# 910

Delta R.T. -0.03 min

Lab File: VW003729.D

Acq: 05 Jul 2018 18:44

Instrument :

MSVOA_W

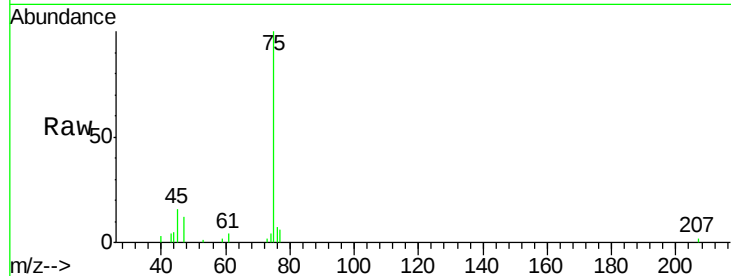
ClientSampled :

Tot Ion: 77 Resp: 443

Ion Ratio Lower Upper

77 100

97 0.0 11.7 35.1#



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW

7.13

250

200

150

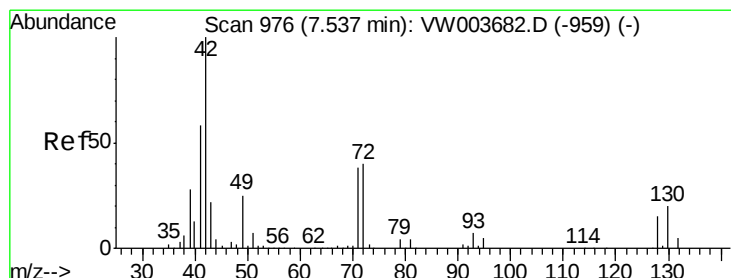
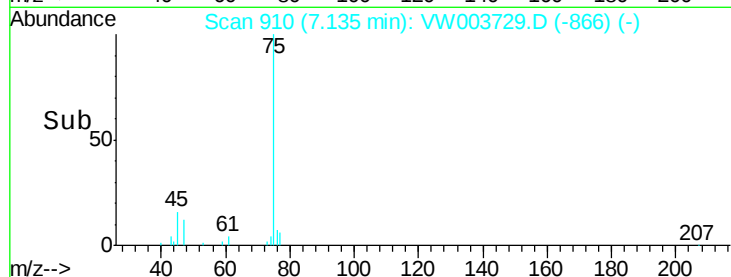
100

50

0

7.10 7.15

Time-->



#29

Tetrahydrofuran

Concen: 1.384 ug/l

RT: 7.51 min Scan# 971

Delta R.T. -0.03 min

Lab File: VW003729.D

Acq: 05 Jul 2018 18:44

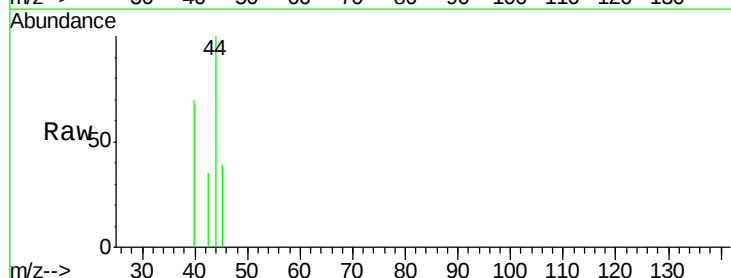
Tgt Ion: 42 Resp: 19

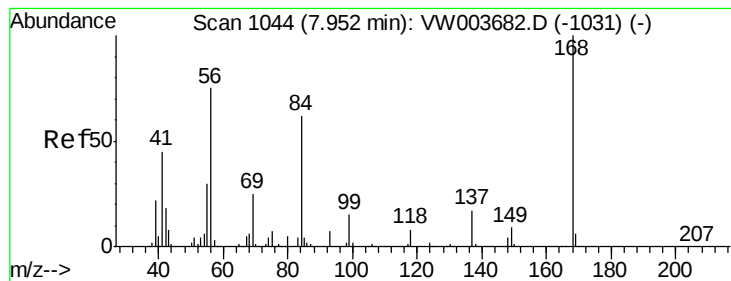
Ion Ratio Lower Upper

42 100

72 0.0 32.0 48.0#

71 0.0 30.2 45.2#





#31

Cyclohexane

Concen: 1.362 ug/l

RT: 7.96 min Scan# 1045

Delta R.T. 0.01 min

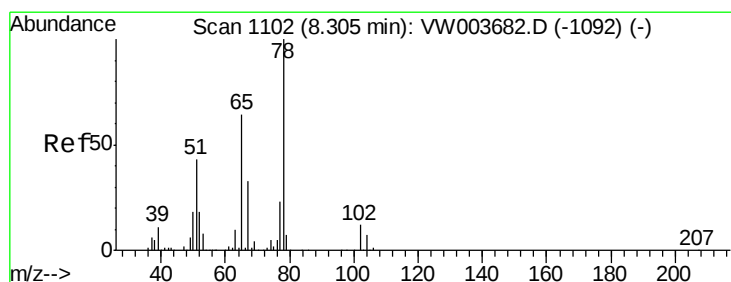
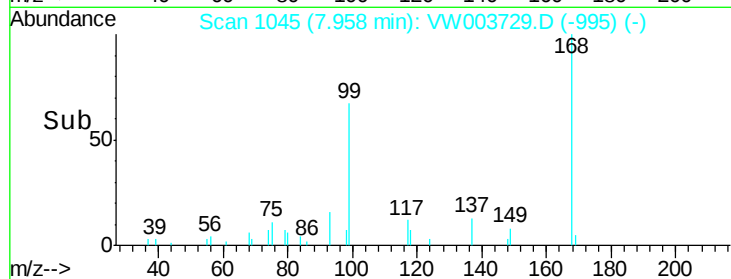
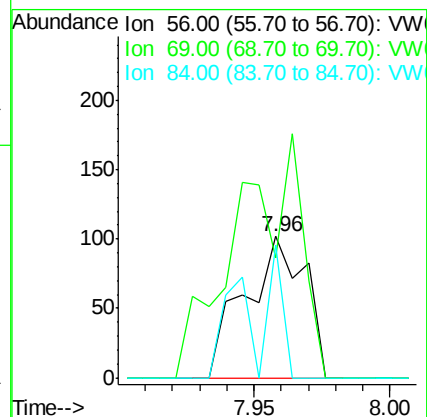
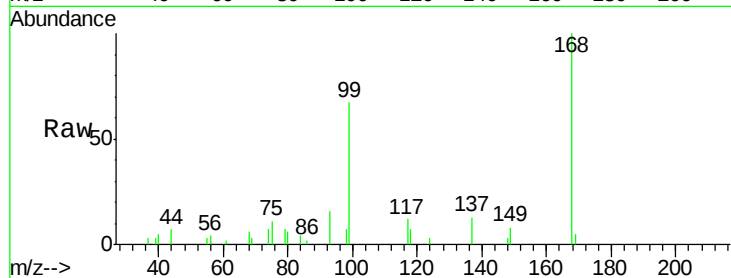
Lab File: VW003729.D

Acq: 05 Jul 2018 18:44

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 156

Ion	Ratio	Lower	Upper
56	100		
69	84.3	27.0	40.4#
84	94.1	65.4	98.0



#33

1,2-Dichloroethane-d4

Concen: 59.705 ug/l

RT: 8.31 min Scan# 1103

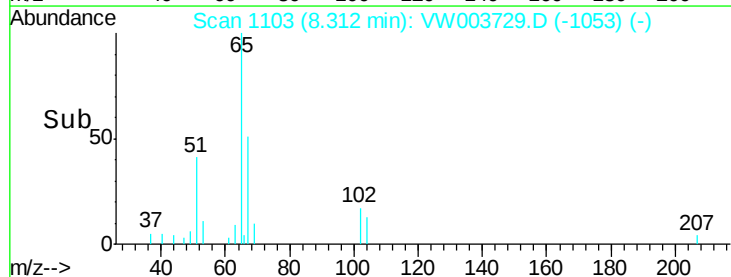
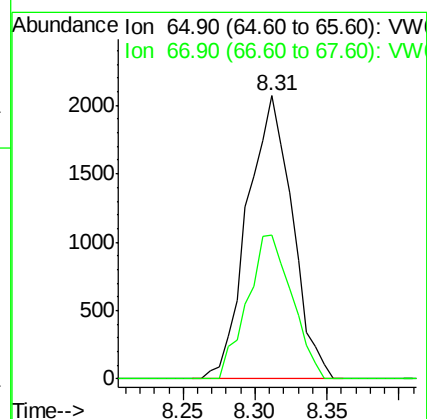
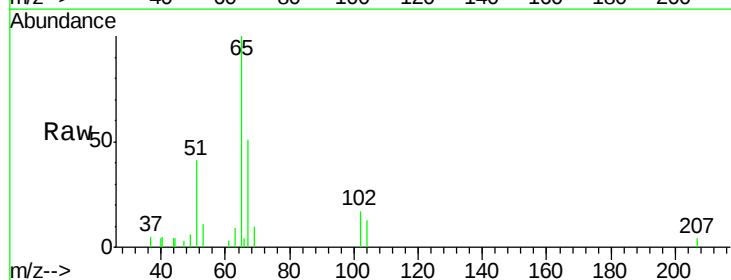
Delta R.T. 0.01 min

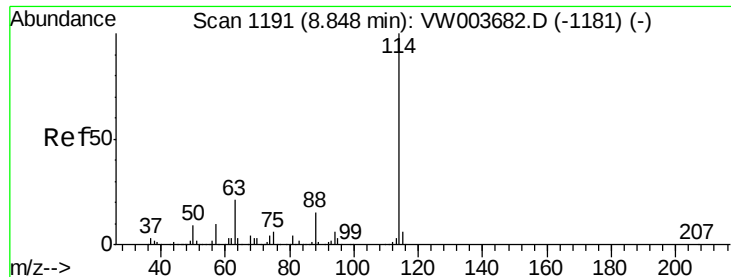
Lab File: VW003729.D

Acq: 05 Jul 2018 18:44

Tgt Ion: 65 Resp: 4473

Ion	Ratio	Lower	Upper
65	100		
67	50.5	0.0	104.0

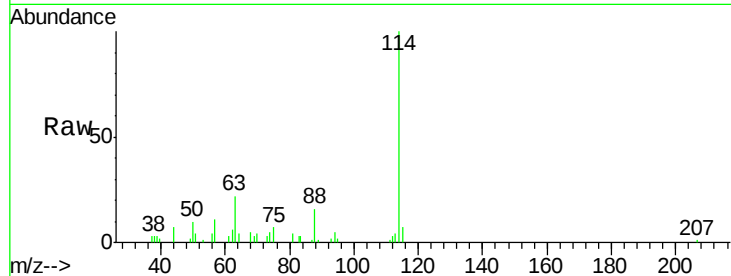




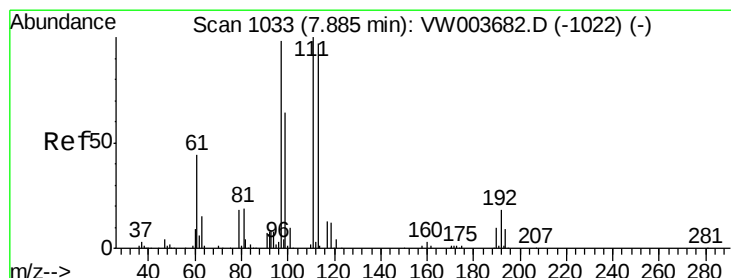
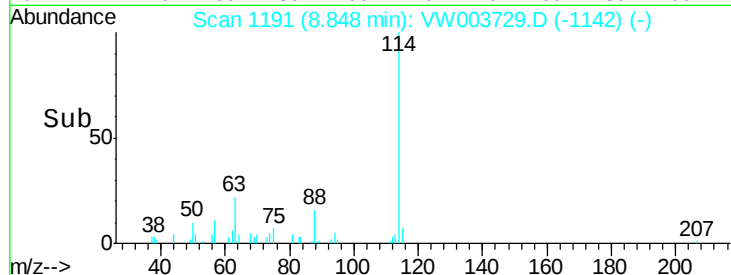
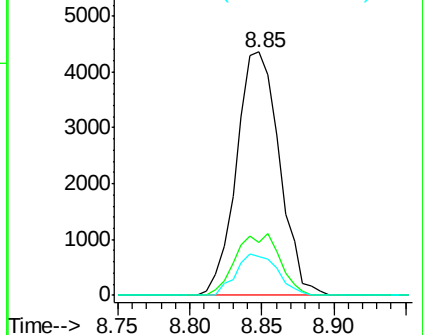
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW003729.D
 Acq: 05 Jul 2018 18:44

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	21.9	0.0	41.6
88	15.7	0.0	29.8

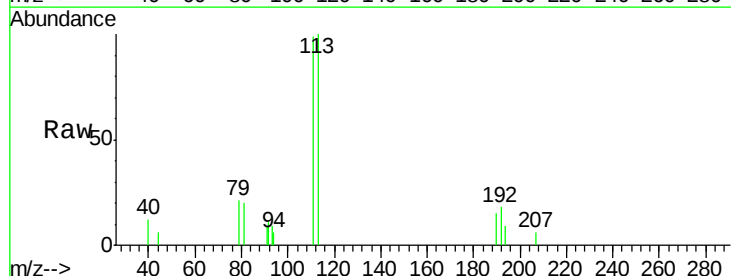


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

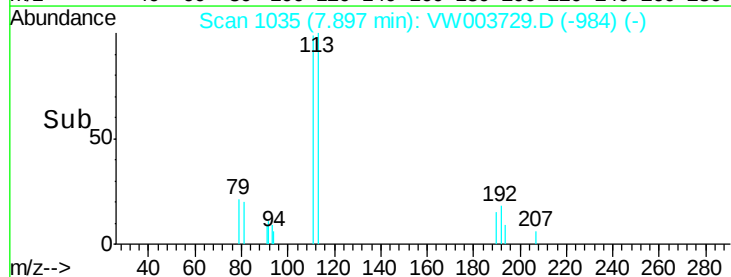
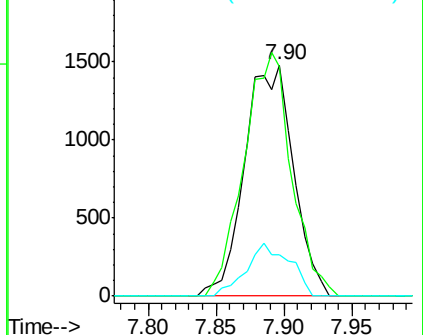


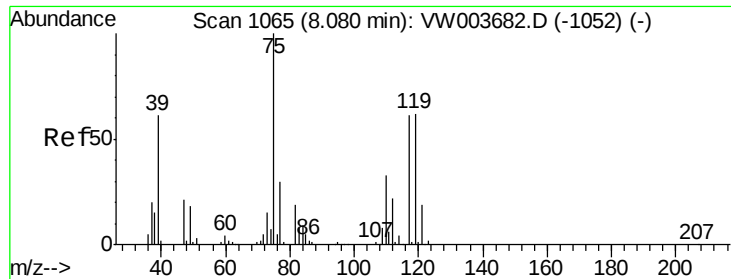
#35
 Dibromofluoromethane
 Concen: 63.132 ug/l
 RT: 7.90 min Scan# 1035
 Delta R.T. 0.01 min
 Lab File: VW003729.D
 Acq: 05 Jul 2018 18:44

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.1	82.4	123.6
192	20.2	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

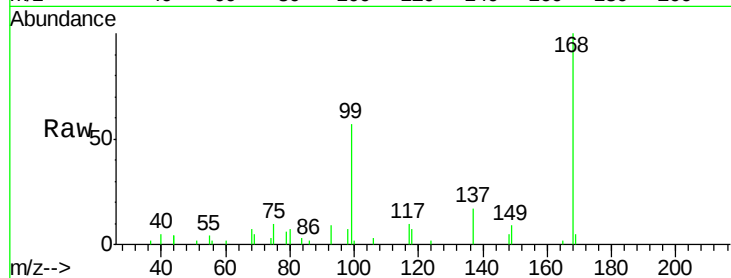




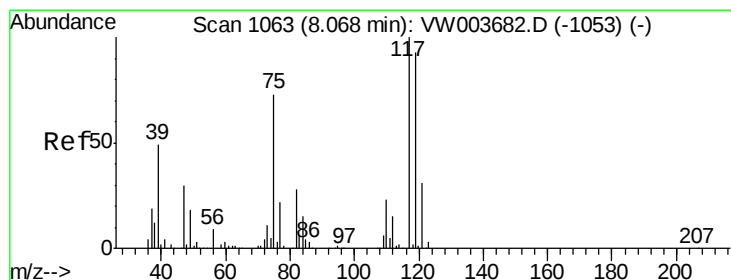
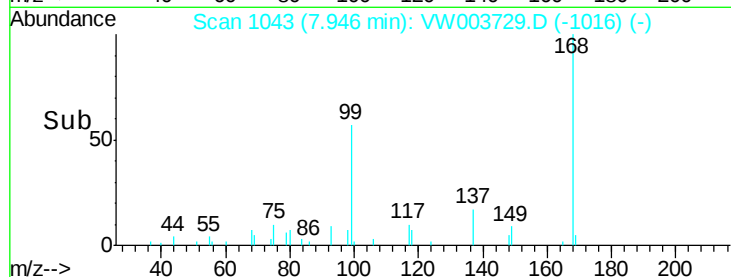
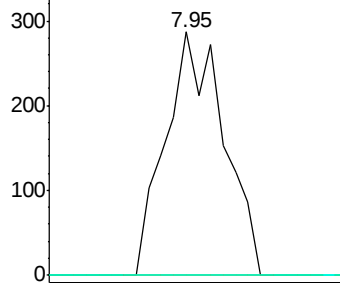
#36
 1,1-Dichloropropene
 Concen: 6.295 ug/l
 RT: 7.95 min Scan# 1043
 Delta R.T. -0.13 min
 Lab File: VW003729.D
 Acq: 05 Jul 2018 18:44

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion: 75 Resp: 570
 Ion Ratio Lower Upper
 75 100
 110 0.0 16.9 50.6#
 77 0.0 24.9 37.3#

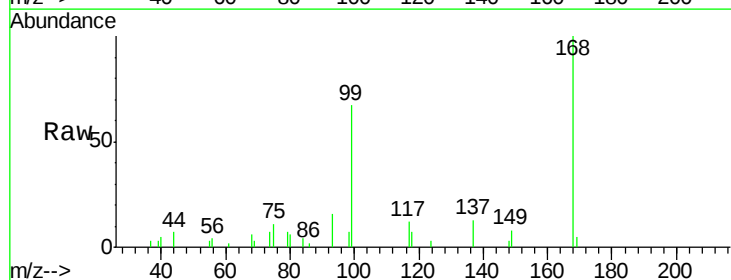


Abundance Ion 74.90 (74.60 to 75.60): VW
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VW

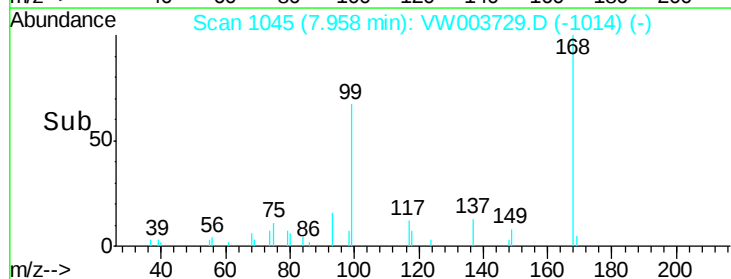
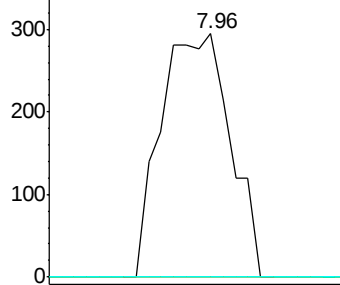


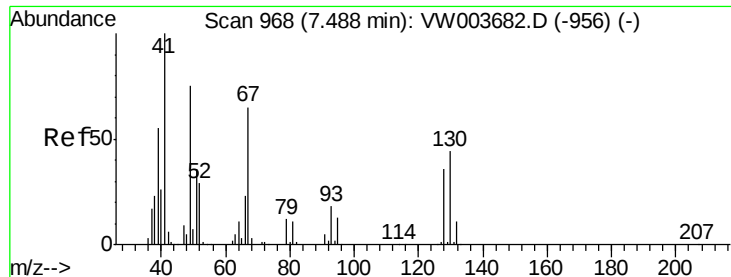
#38
 Carbon Tetrachloride
 Concen: 8.092 ug/l
 RT: 7.96 min Scan# 1045
 Delta R.T. -0.11 min
 Lab File: VW003729.D
 Acq: 05 Jul 2018 18:44

Tgt Ion: 117 Resp: 697
 Ion Ratio Lower Upper
 117 100
 119 0.0 74.1 111.1#
 121 0.0 25.0 37.4#



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

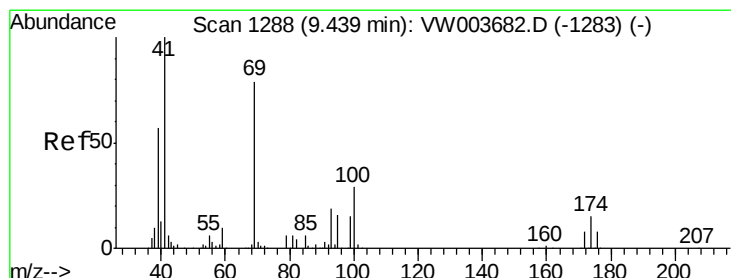
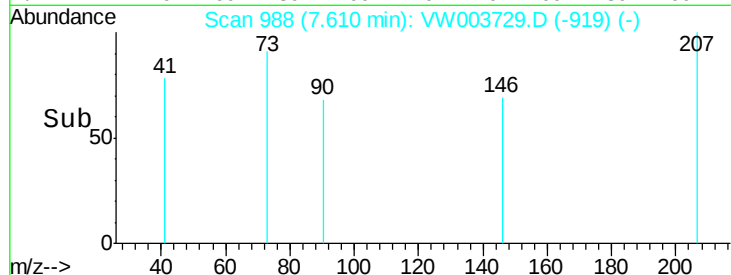
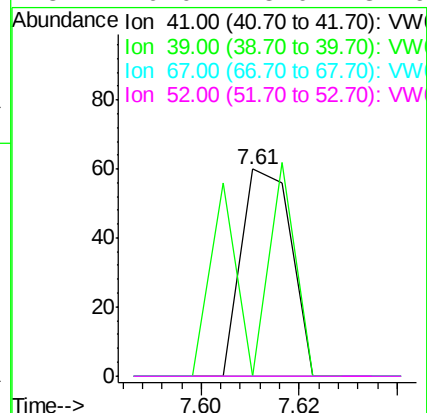
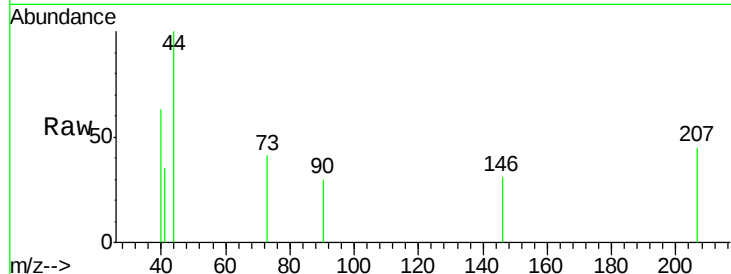




#41
Methacrylonitrile
Concen: 1.677 ug/l
RT: 7.61 min Scan# 988
Delta R.T. 0.12 min
Lab File: VW003729.D
Acq: 05 Jul 2018 18:44

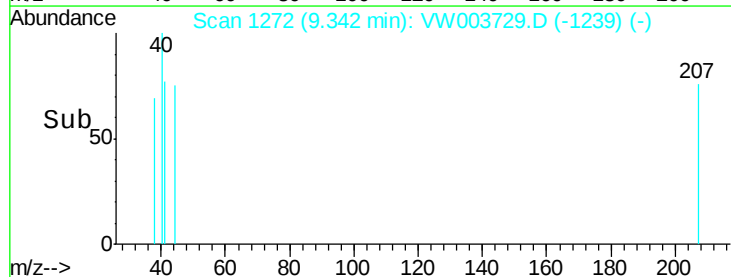
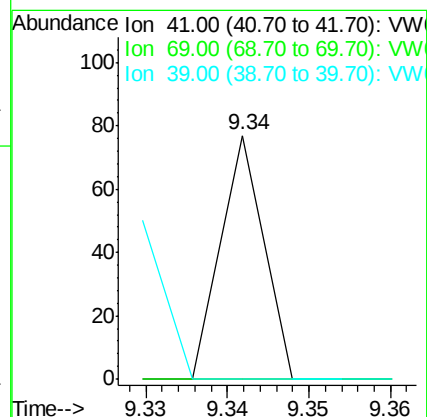
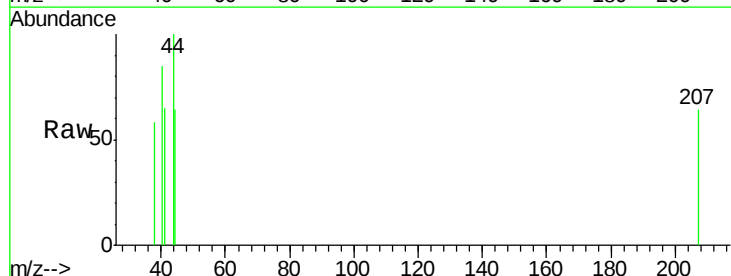
Instrument :
MSVOA_W
ClientSampleId :

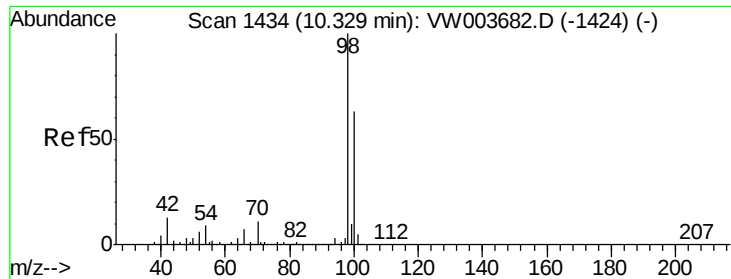
Tot Ion: 41 Resp: 42
Ion Ratio Lower Upper
41 100
39 102.4 47.8 71.8#
67 0.0 53.9 80.9#
52 0.0 25.0 37.6#



#48
Methyl methacrylate
Concen: 3.959 ug/l
RT: 9.34 min Scan# 1272
Delta R.T. -0.10 min
Lab File: VW003729.D
Acq: 05 Jul 2018 18:44

Tgt Ion: 41 Resp: 28
Ion Ratio Lower Upper
41 100
69 0.0 65.4 98.2#
39 0.0 50.0 75.0#





#50

Toluene-d8

Concen: 35.584 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW003729.D

Acq: 05 Jul 2018 18:44

Instrument :

MSVOA_W

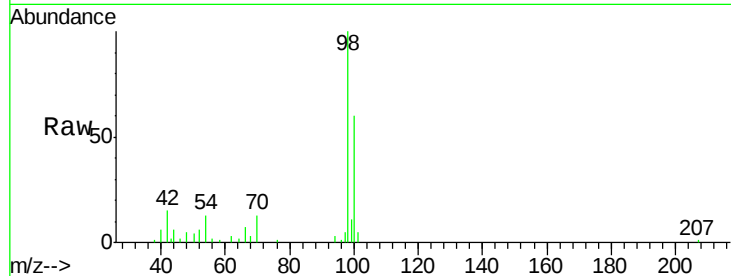
ClientSampled :

Tot Ion: 98 Resp: 8218

Ion Ratio Lower Upper

98 100

100 64.1 50.8 76.2



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

10.33

5000

4000

3000

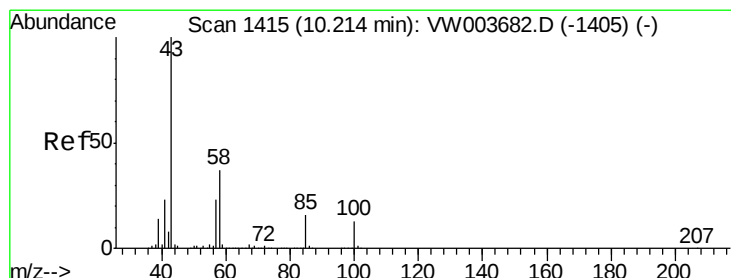
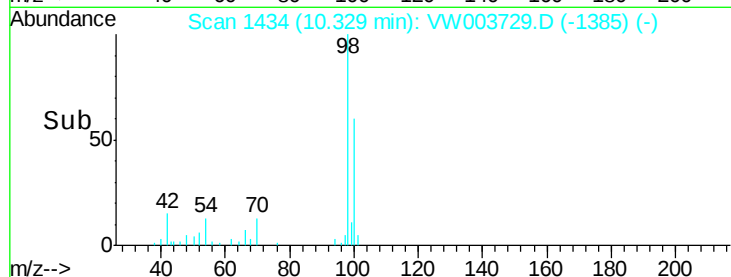
2000

1000

0

Time-->

10.25 10.30 10.35 10.40



#51

4-Methyl-2-Pentanone

Concen: 1.006 ug/l

RT: 10.22 min Scan# 1416

Delta R.T. 0.01 min

Lab File: VW003729.D

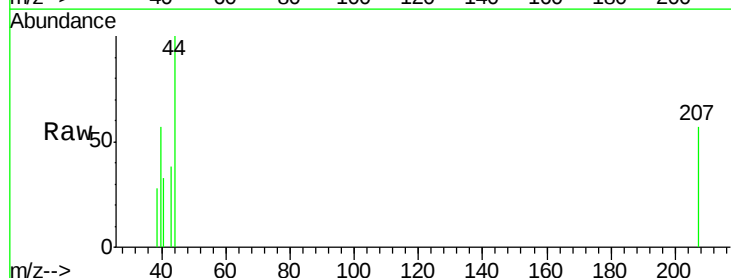
Acq: 05 Jul 2018 18:44

Tgt Ion: 43 Resp: 44

Ion Ratio Lower Upper

43 100

58 0.0 29.6 44.4#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

10.22

80

60

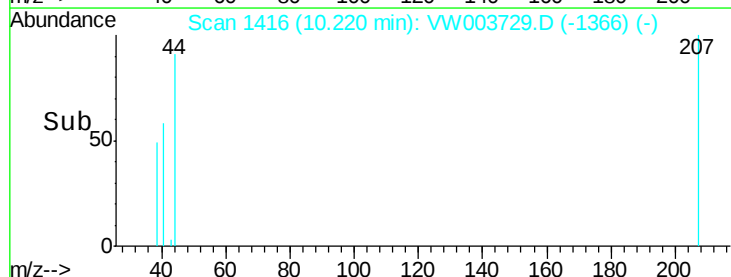
40

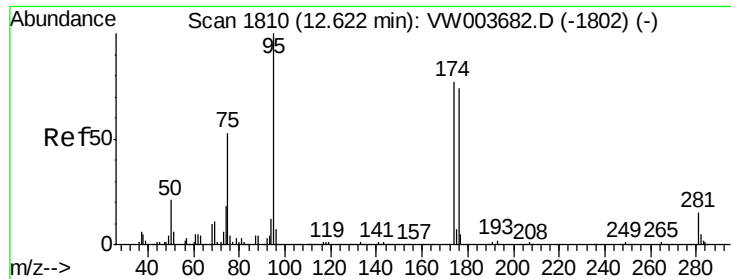
20

0

Time-->

10.20 10.22 10.24

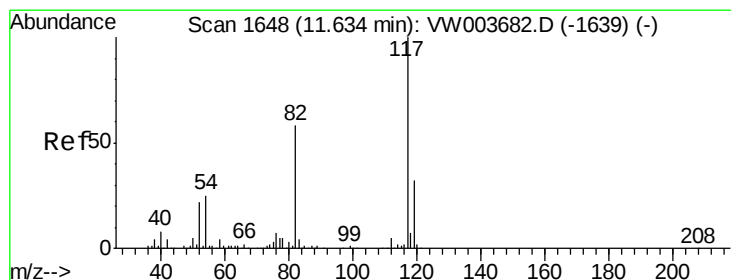
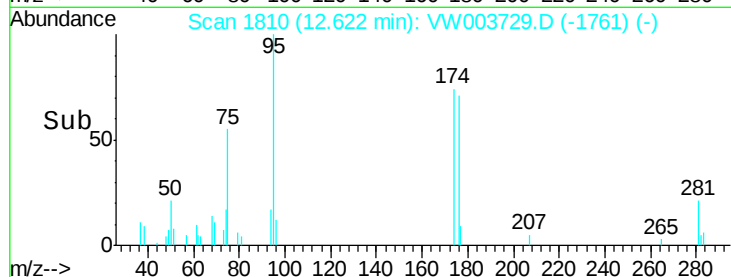
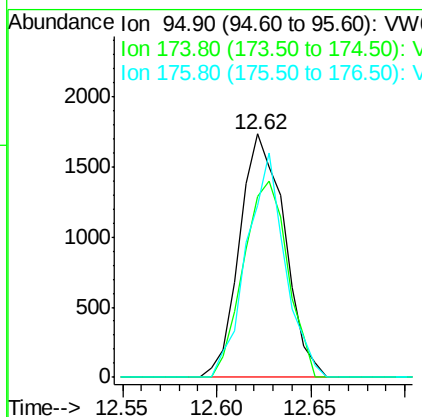
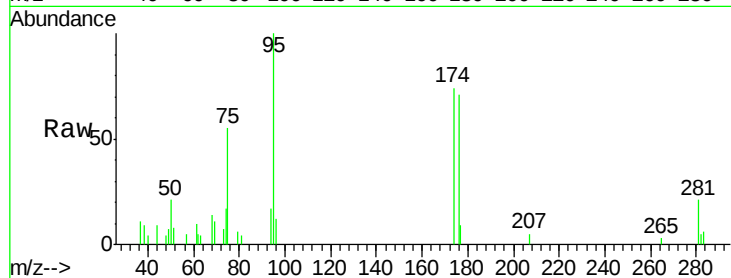




#62
4-Bromofluorobenzene
Concen: 34.555 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VW003729.D
Acq: 05 Jul 2018 18:44

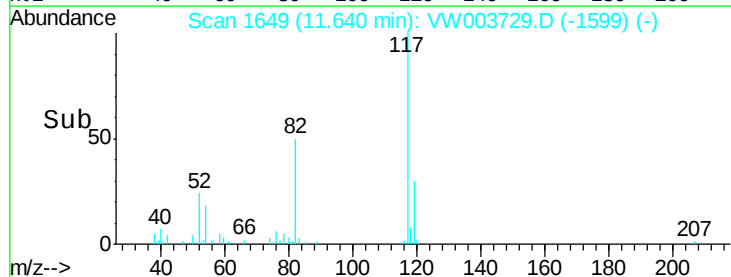
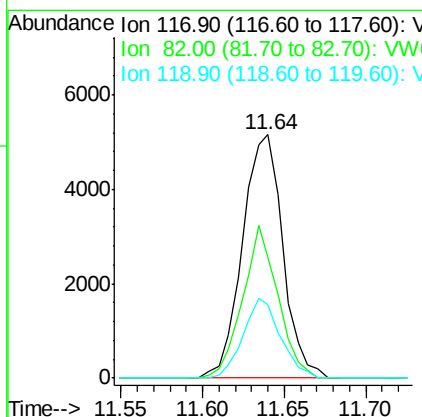
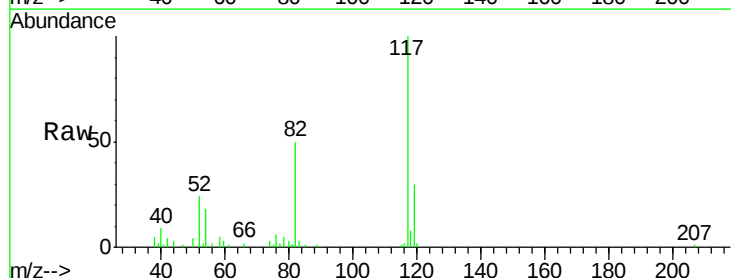
Instrument :
MSVOA_W
ClientSampleId :

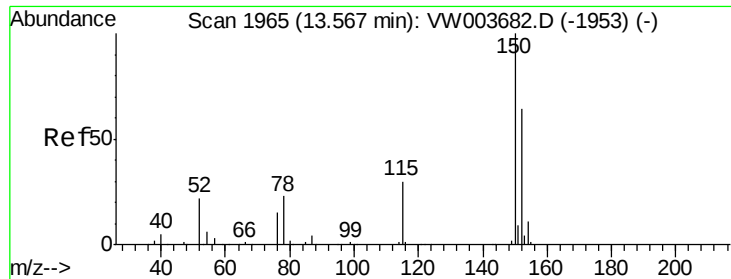
Tot Ion: 95 Resp: 2867
Ion Ratio Lower Upper
95 100
174 79.5 0.0 161.2
176 78.9 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1649
Delta R.T. 0.01 min
Lab File: VW003729.D
Acq: 05 Jul 2018 18:44

Tgt Ion: 117 Resp: 8893
Ion Ratio Lower Upper
117 100
82 49.6 46.0 69.0
119 30.2 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VW003729.D

Acq: 05 Jul 2018 18:44

Instrument :

MSVOA_W

ClientSampleId :

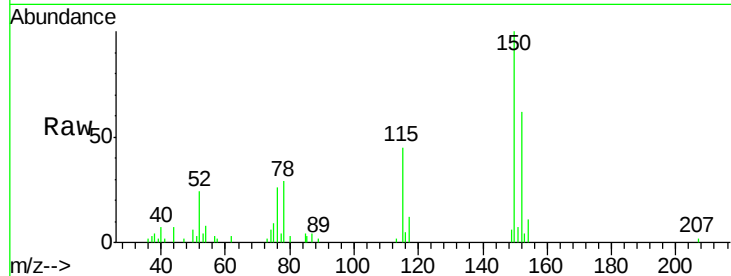
Tot Ion:152 Resp: 3583

Ion Ratio Lower Upper

152 100

115 60.2 29.3 88.0

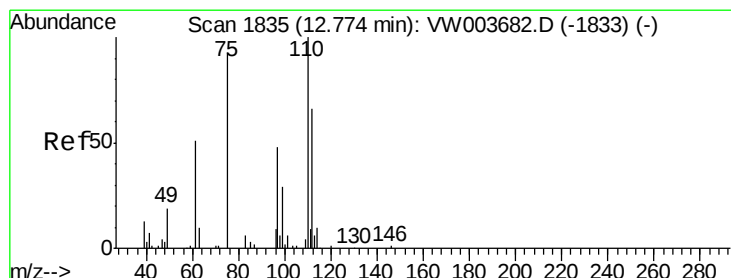
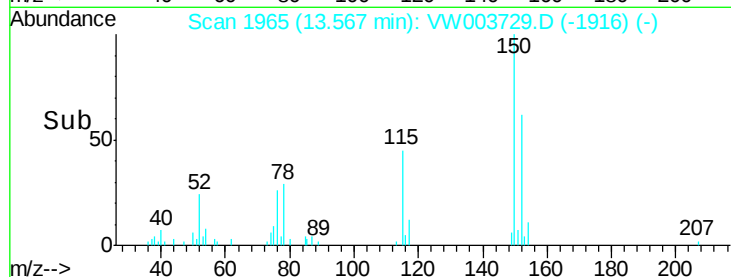
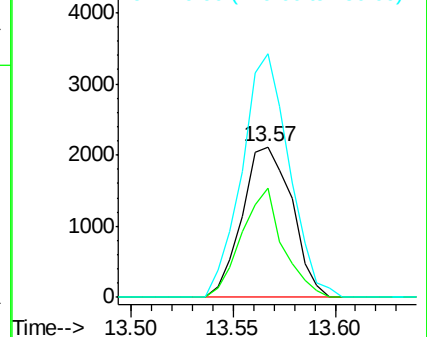
150 153.7 0.0 352.0



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: 47.336 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.15 min

Lab File: VW003729.D

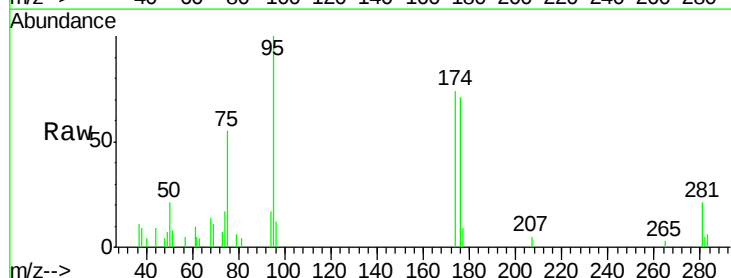
Acq: 05 Jul 2018 18:44

Tgt Ion: 75 Resp: 1525

Ion Ratio Lower Upper

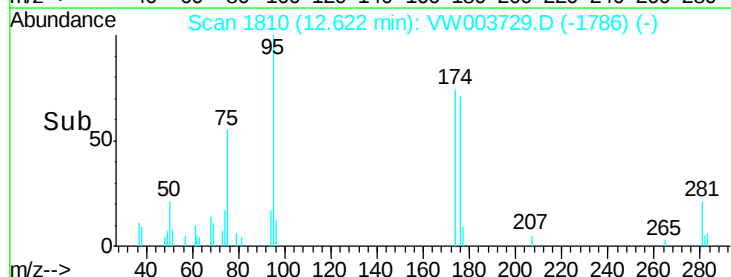
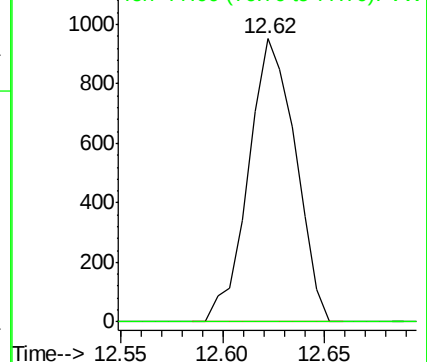
75 100

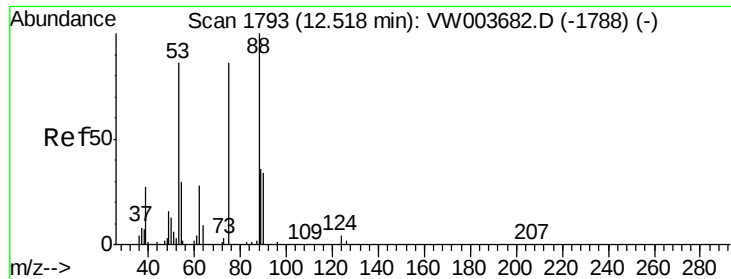
77 0.0 0.0 0.0



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: 100.302 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

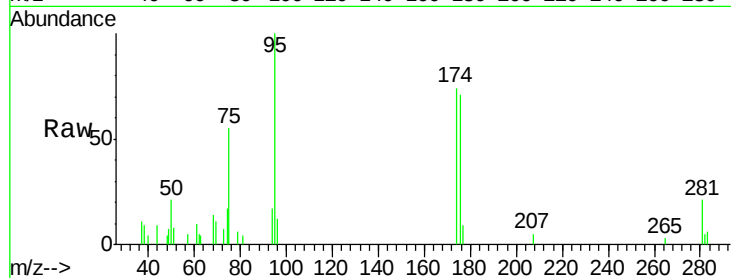
Lab File: VW003729.D

Acq: 05 Jul 2018 18:44

Instrument :

MSVOA_W

ClientSampleId :



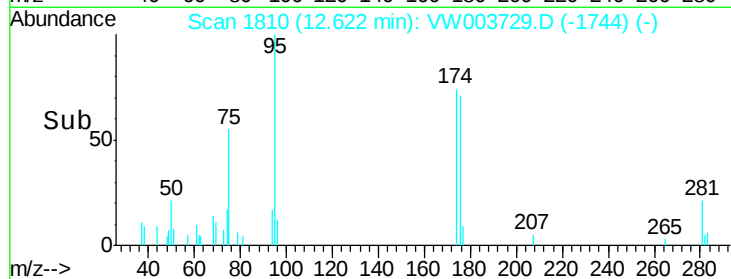
Tot Ion: 75 Resp: 1525

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

