

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW070518\
 Data File : VW003726.D
 Acq On : 05 Jul 2018 17:26
 Operator : SY/AP
 Sample : J3813-01RE
 Misc : 4.28G/6ML/MSVOA W/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 06 02:36:37 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	32959	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	49213	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	45582	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	16060	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	23208	59.06	ug/l	0.00
Spiked Amount			Recovery	=	118.12%	
35) Dibromofluoromethane	7.88	113	18687	58.22	ug/l	0.00
Spiked Amount			Recovery	=	116.44%	
50) Toluene-d8	10.33	98	48269	38.31	ug/l	0.00
Spiked Amount			Recovery	=	76.62%	
62) 4-Bromofluorobenzene	12.62	95	14139	31.23	ug/l	0.00
Spiked Amount			Recovery	=	62.46%	

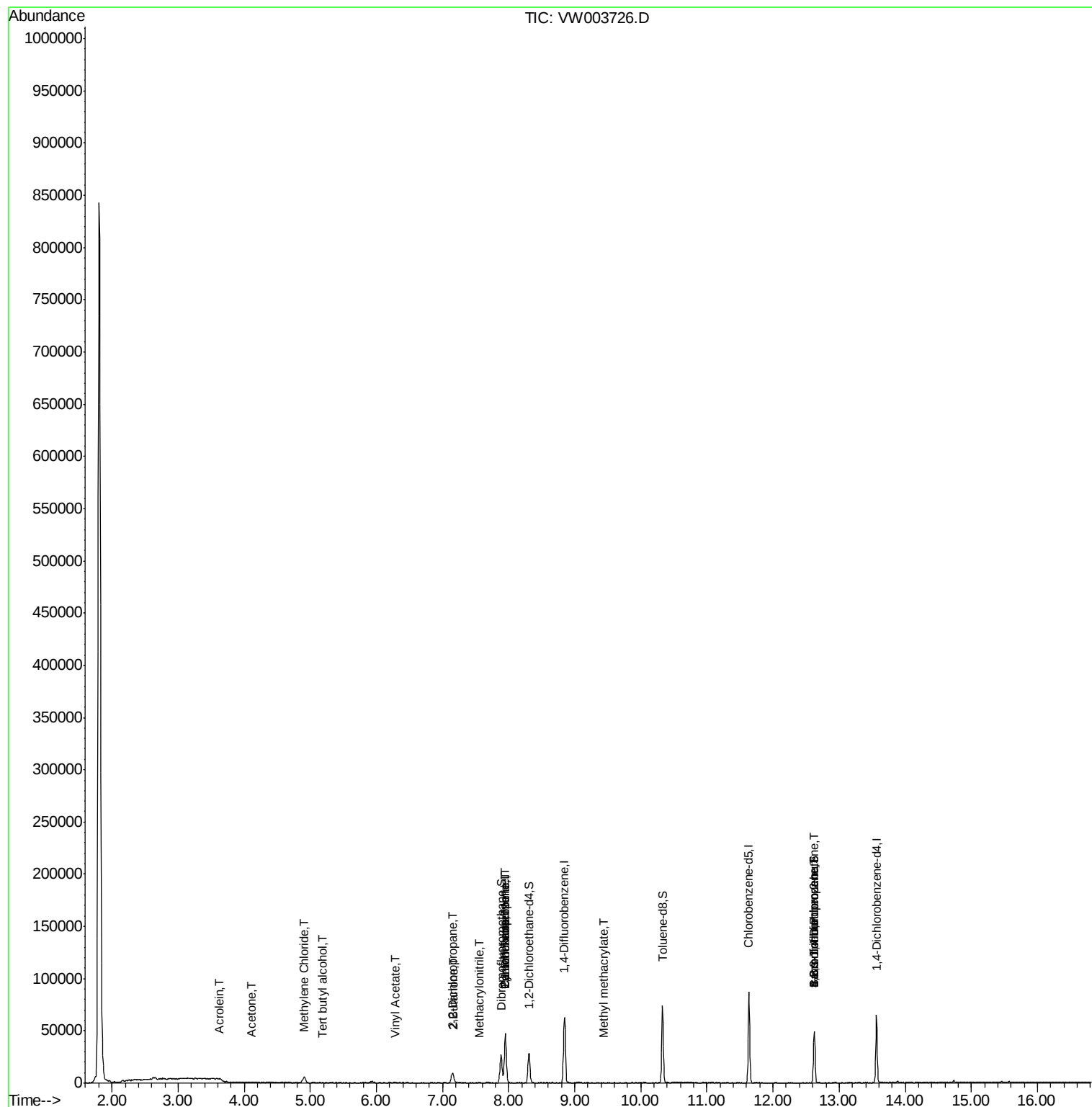
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.18	59	75	3.050	ug/l #	71
13) Acrolein	3.62	56	27	2.263	ug/l #	1
16) Acetone	4.12	43	1151	12.271	ug/l #	74
20) Methylene Chloride	4.91	84	3568	7.065	ug/l	91
23) Vinyl Acetate	6.29	43	36	13.909	ug/l #	74
25) 2-Butanone	7.17	43	293	2.440	ug/l #	50
26) 2,2-Dichloropropane	7.15	77	593	1.466	ug/l #	52
31) Cyclohexane	7.95	56	1039	1.730	ug/l #	57
36) 1,1-Dichloropropene	7.95	75	2883	5.836	ug/l #	49
38) Carbon Tetrachloride	7.95	117	3269	6.956	ug/l #	13
41) Methacrylonitrile	7.55	41	153	1.119	ug/l #	29
48) Methyl methacrylate	9.43	41	49	3.555	ug/l #	13
71) Bromoform	12.62	173	206	1.107	ug/l #	28
76) 1,2,3-Trichloropropane	12.63	75	8016	55.512	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	8016	117.625	ug/l #	9

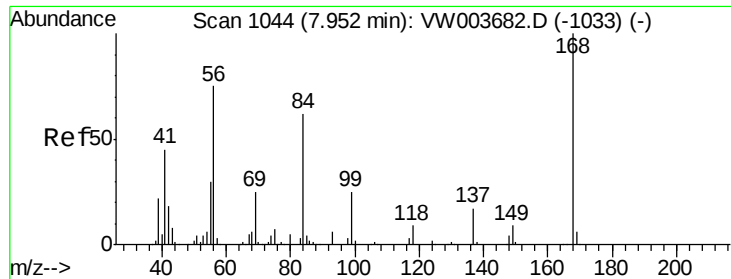
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW003726.D

Acq: 05 Jul 2018 17:26

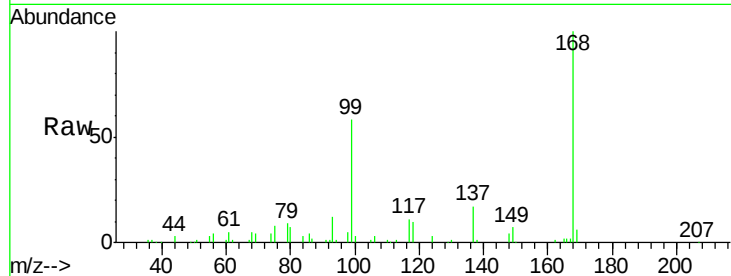
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 32959

Ion Ratio Lower Upper

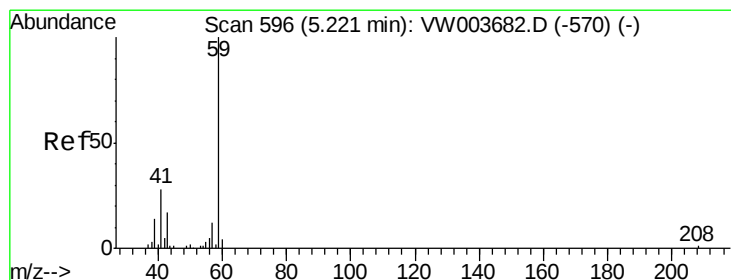
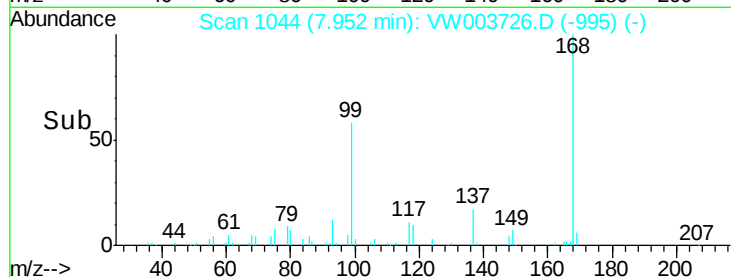
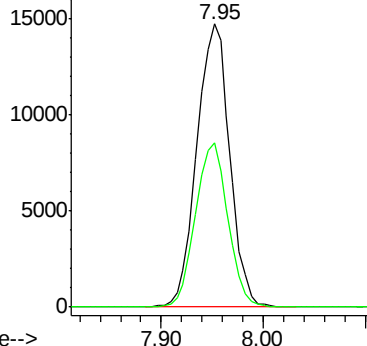
168 100

99 58.1 45.4 68.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 3.050 ug/l

RT: 5.18 min Scan# 590

Delta R.T. -0.04 min

Lab File: VW003726.D

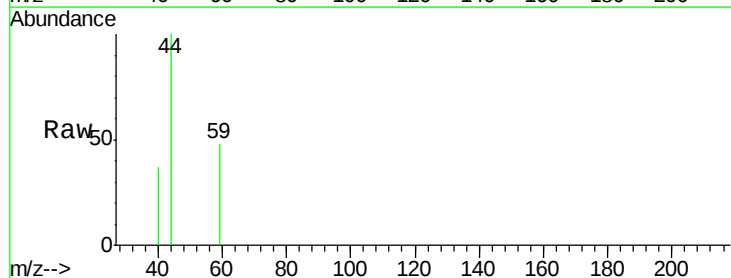
Acq: 05 Jul 2018 17:26

Tgt Ion: 59 Resp: 75

Ion Ratio Lower Upper

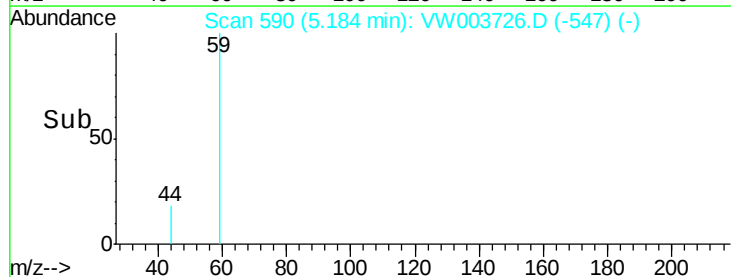
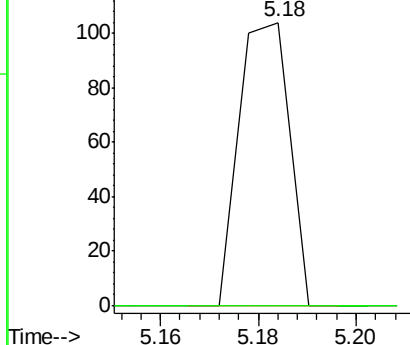
59 100

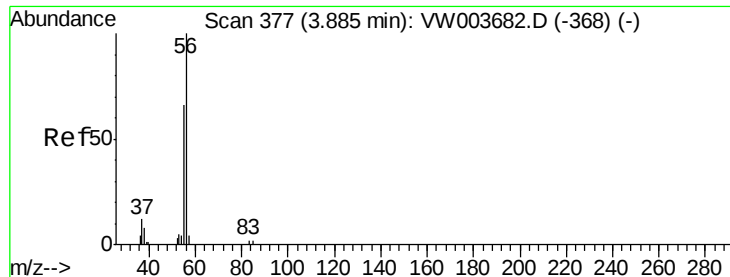
57 0.0 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#13

Acrolein

Concen: 2.263 ug/l

RT: 3.62 min Scan# 333

Delta R.T. -0.27 min

Lab File: VW003726.D

Acq: 05 Jul 2018 17:26

Instrument :

MSVOA_W

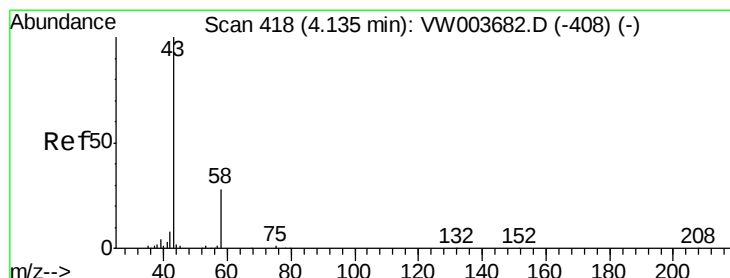
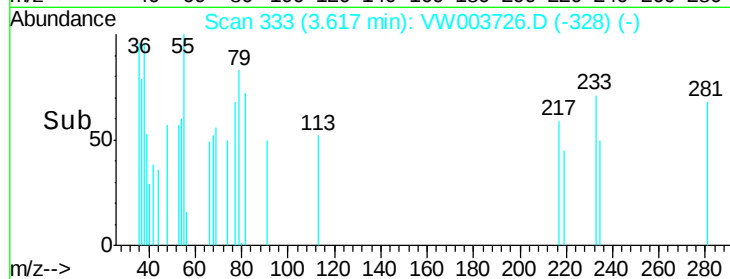
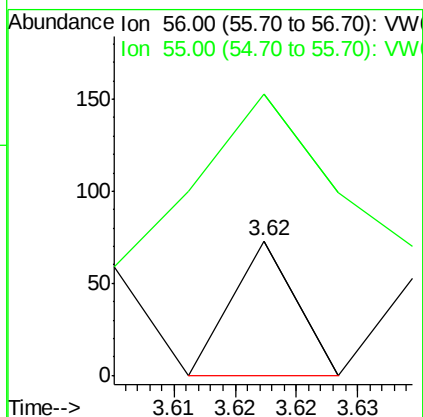
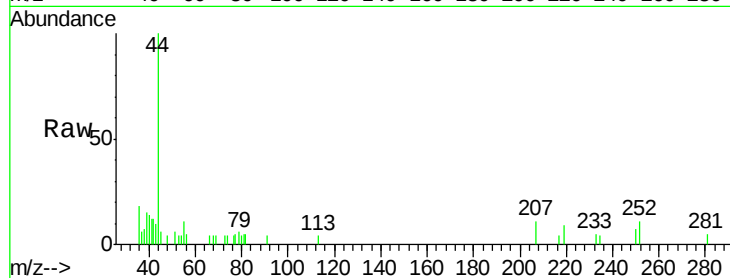
ClientSampled :

Tot Ion: 56 Resp: 27

Ion Ratio Lower Upper

56 100

55 651.9 54.7 82.1#



#16

Acetone

Concen: 12.271 ug/l

RT: 4.12 min Scan# 415

Delta R.T. -0.02 min

Lab File: VW003726.D

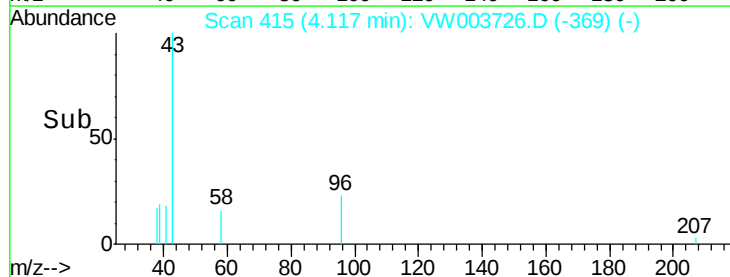
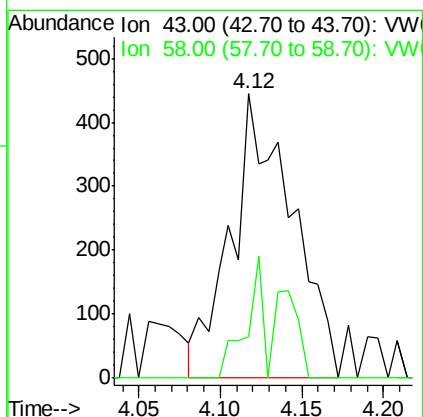
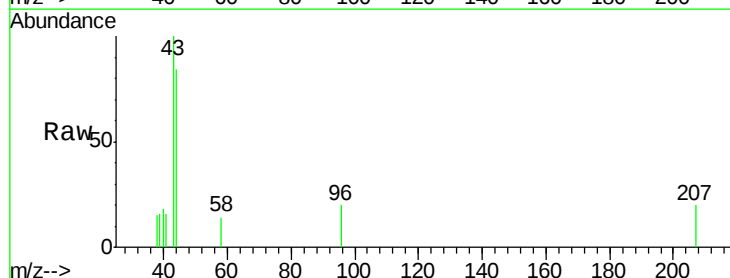
Acq: 05 Jul 2018 17:26

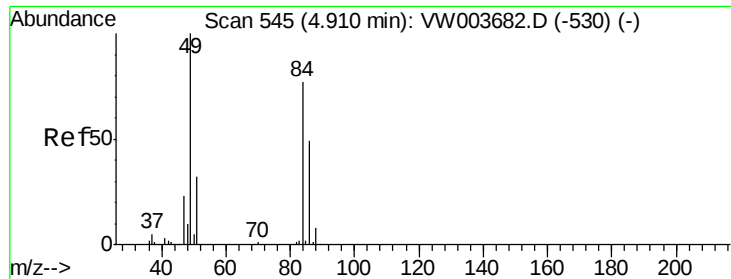
Tgt Ion: 43 Resp: 1151

Ion Ratio Lower Upper

43 100

58 14.4 22.7 34.1#

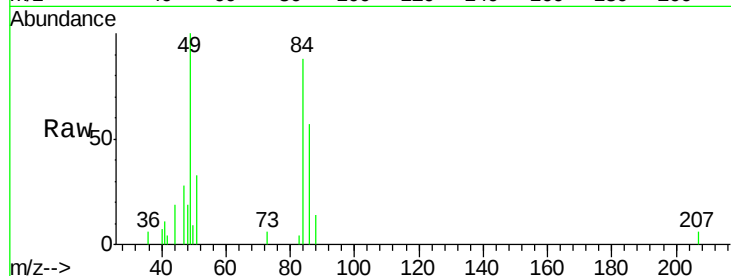




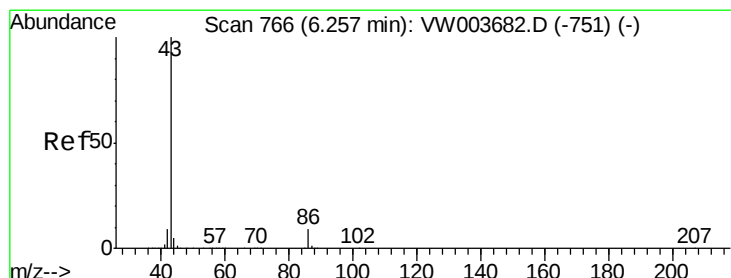
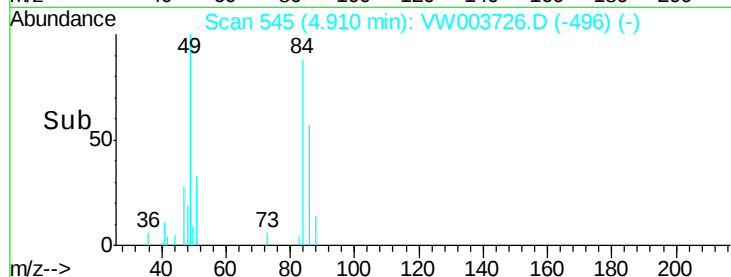
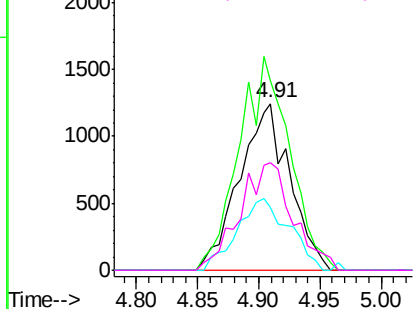
#20
Methvlene Chloride
Concen: 7.065 ug/l
RT: 4.91 min Scan# 545
Delta R.T. 0.00 min
Lab File: VW003726.D
Acq: 05 Jul 2018 17:26

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 84 Resp: 3568
Ion Ratio Lower Upper
84 100
49 113.4 104.6 156.8
51 37.6 33.2 49.8
86 64.5 51.7 77.5

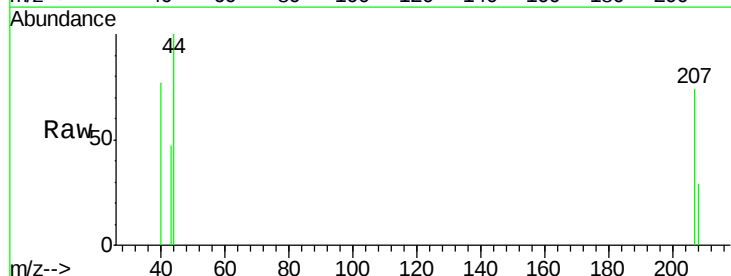


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

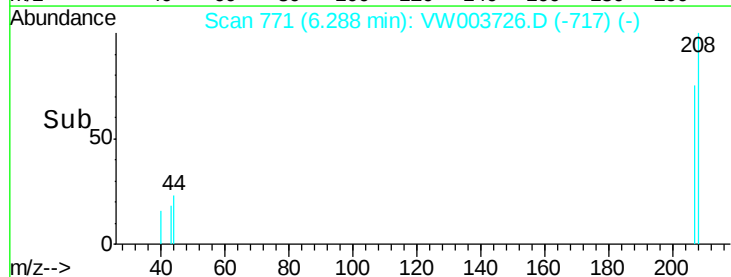
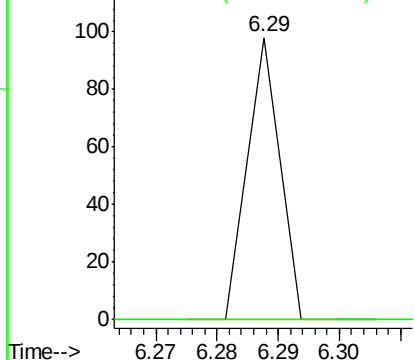


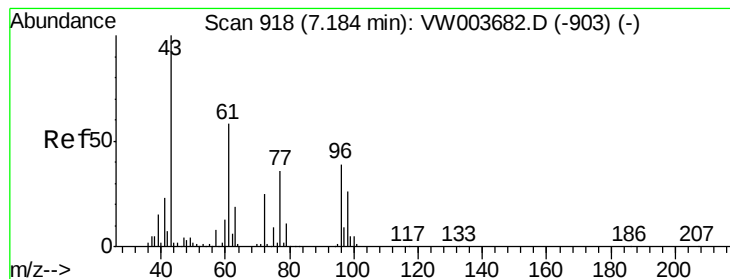
#23
Vinyl Acetate
Concen: 13.909 ug/l
RT: 6.29 min Scan# 771
Delta R.T. 0.03 min
Lab File: VW003726.D
Acq: 05 Jul 2018 17:26

Tgt Ion: 43 Resp: 36
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: 2.440 ug/l

RT: 7.17 min Scan# 915

Delta R.T. -0.02 min

Lab File: VW003726.D

Acq: 05 Jul 2018 17:26

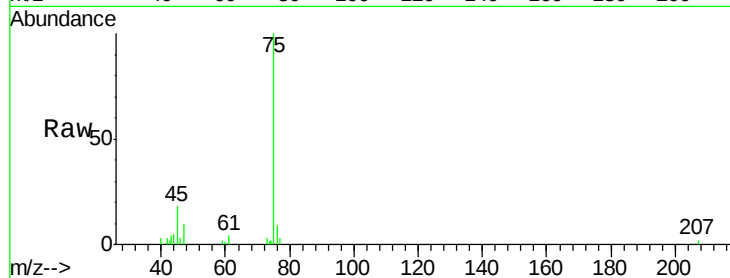
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 293

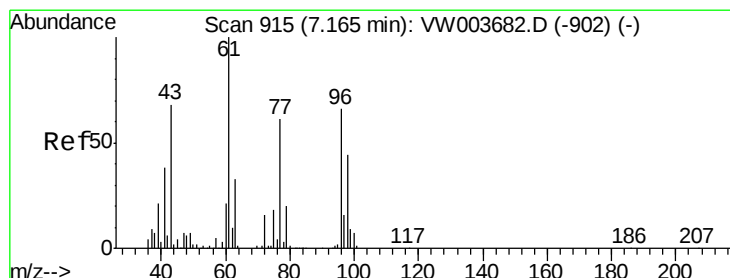
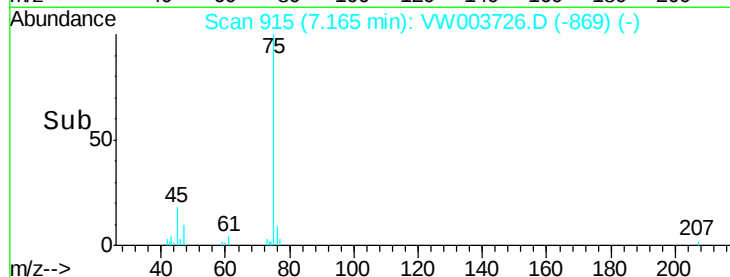
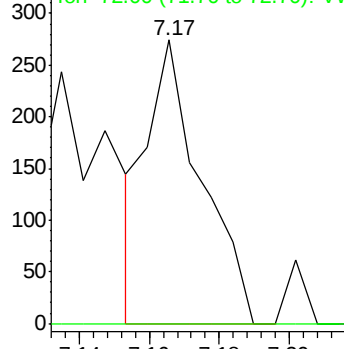
Ion Ratio Lower Upper

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: 1.466 ug/l

RT: 7.15 min Scan# 913

Delta R.T. -0.01 min

Lab File: VW003726.D

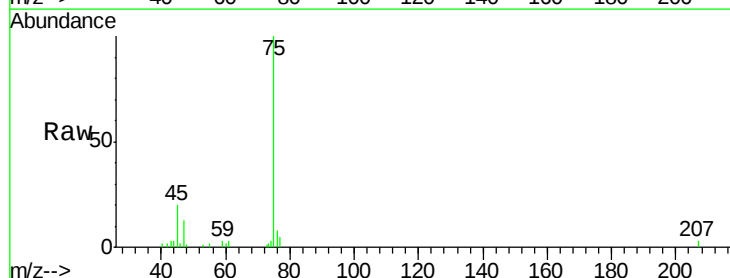
Acq: 05 Jul 2018 17:26

Tgt Ion: 77 Resp: 593

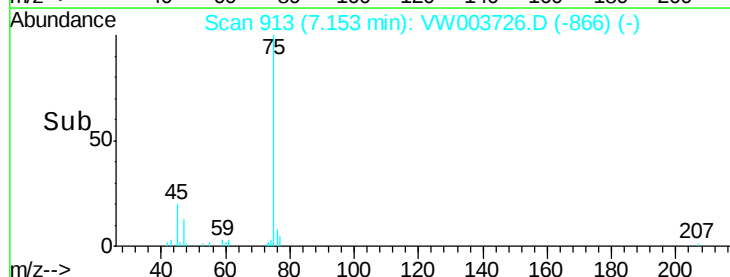
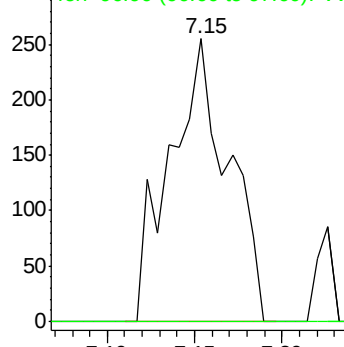
Ion Ratio Lower Upper

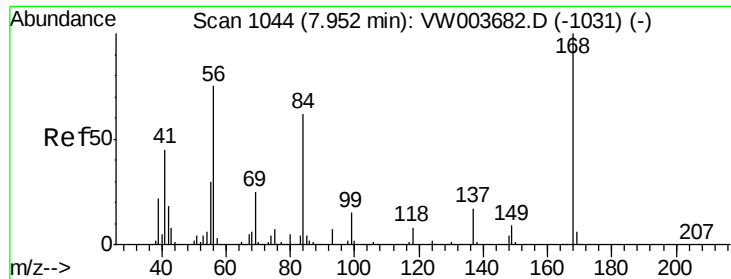
77 100

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

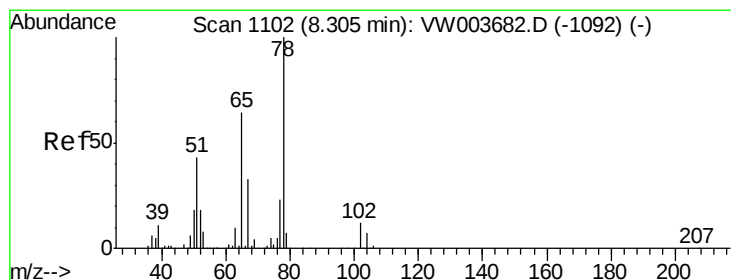
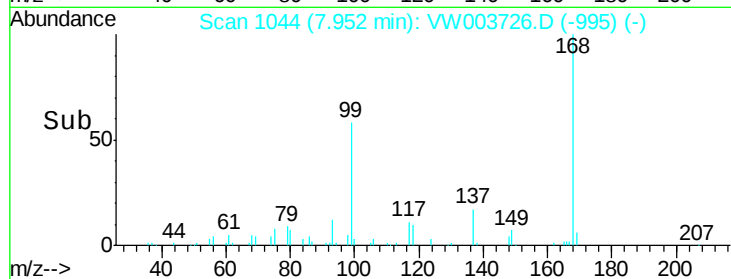
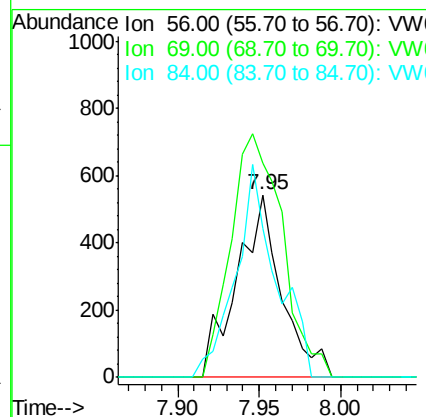
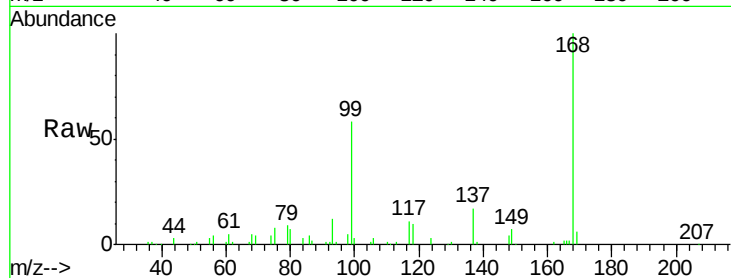




#31
Cyclohexane
Concen: 1.730 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. 0.00 min
Lab File: VW003726.D
Acq: 05 Jul 2018 17:26

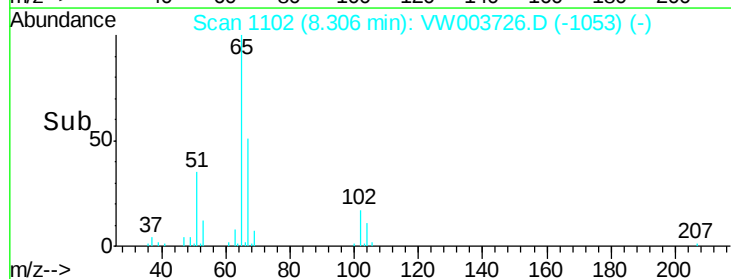
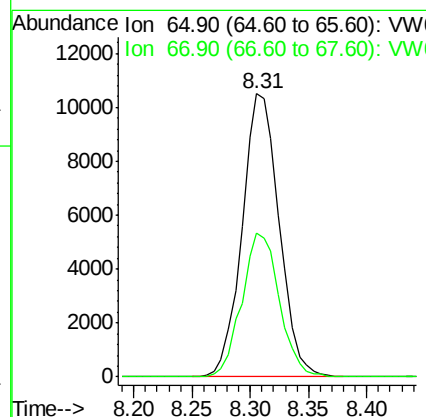
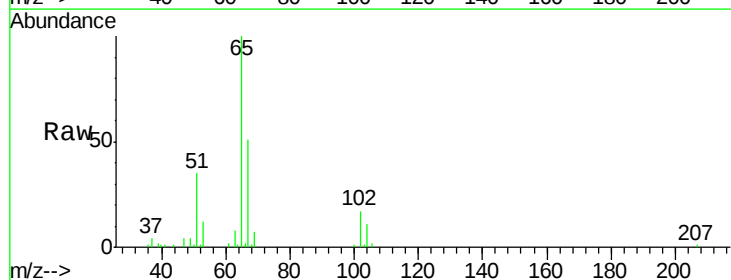
Instrument :
MSVOA_W
ClientSampled :

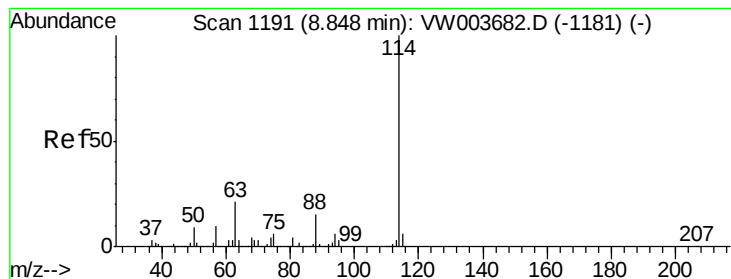
Tot Ion: 56 Resp: 1039
Ion Ratio Lower Upper
56 100
69 117.1 27.0 40.4#
84 81.4 65.4 98.0



#33
1,2-Dichloroethane-d4
Concen: 59.063 ug/l
RT: 8.31 min Scan# 1102
Delta R.T. 0.00 min
Lab File: VW003726.D
Acq: 05 Jul 2018 17:26

Tgt Ion: 65 Resp: 23208
Ion Ratio Lower Upper
65 100
67 51.4 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: VW003726.D

Acq: 05 Jul 2018 17:26

Instrument :

MSVOA_W

ClientSampleId :

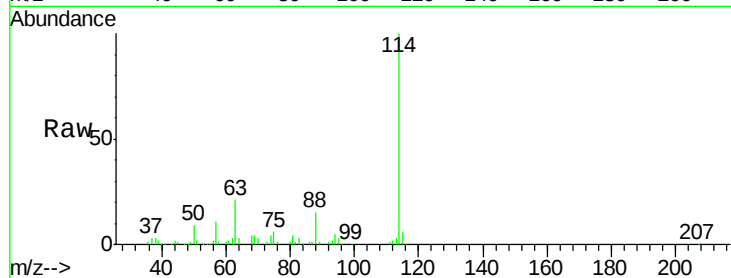
Tot Ion:114 Resp: 49213

Ion Ratio Lower Upper

114 100

63 20.7 0.0 41.6

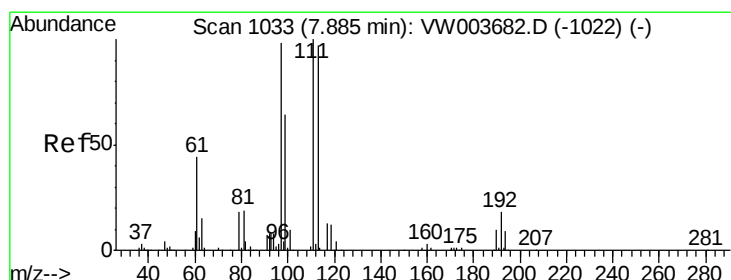
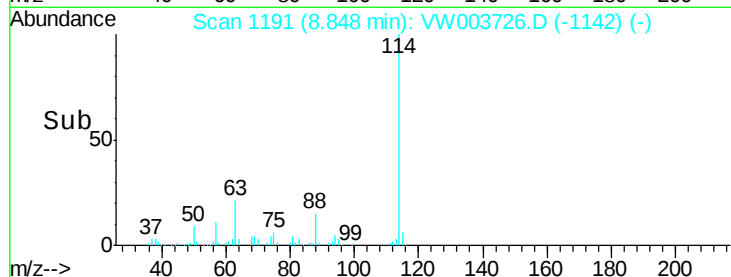
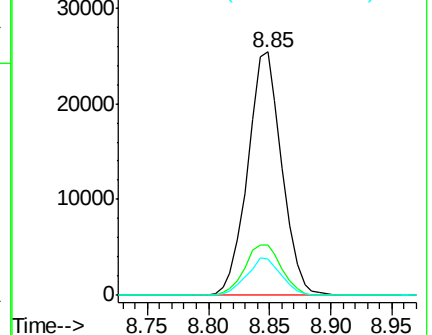
88 14.9 0.0 29.8



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: 58.220 ug/l

RT: 7.88 min Scan# 1033

Delta R.T. 0.00 min

Lab File: VW003726.D

Acq: 05 Jul 2018 17:26

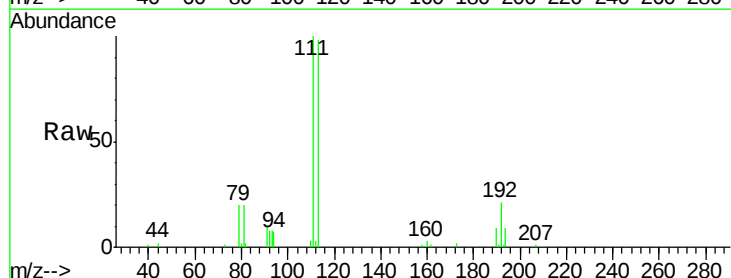
Tgt Ion:113 Resp: 18687

Ion Ratio Lower Upper

113 100

111 103.3 82.4 123.6

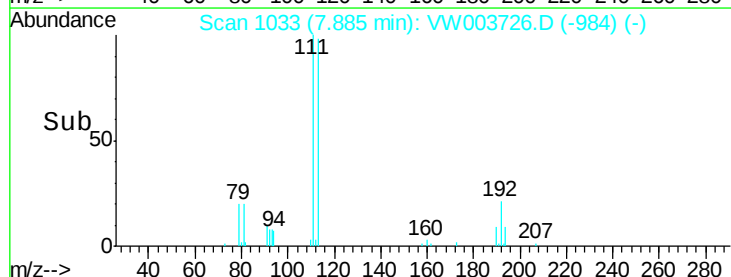
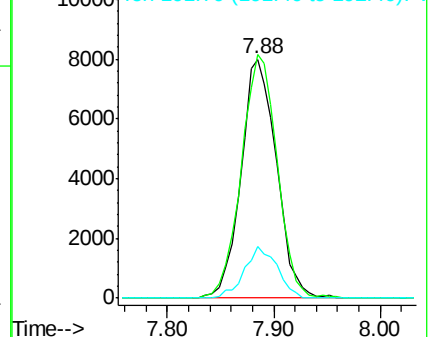
192 19.9 15.8 23.6

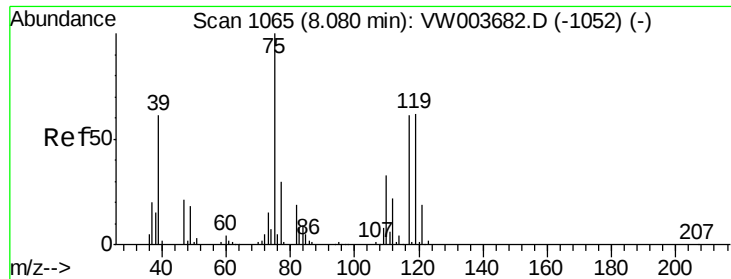


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

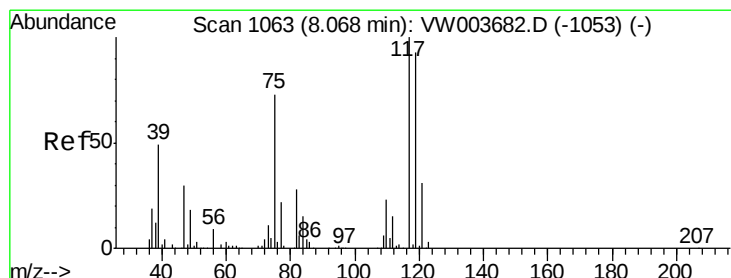
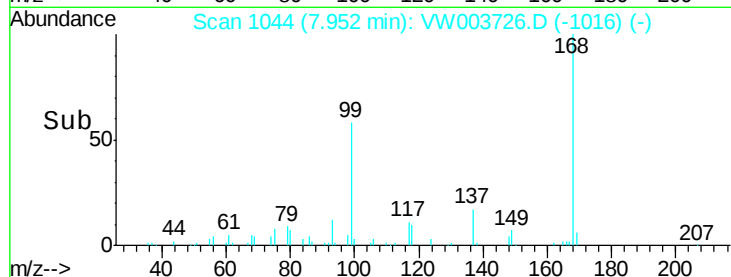
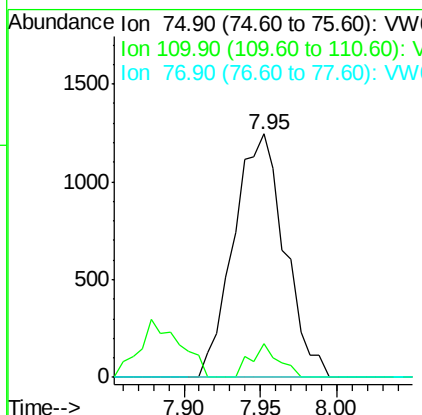
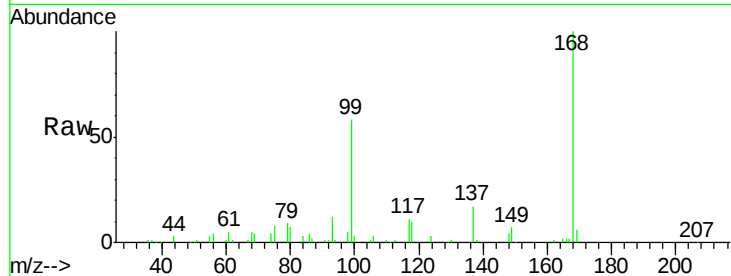




#36
 1,1-Dichloropropene
 Concen: 5.836 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.13 min
 Lab File: VW003726.D
 Acq: 05 Jul 2018 17:26

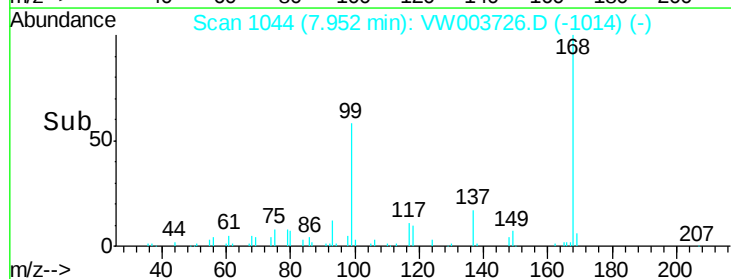
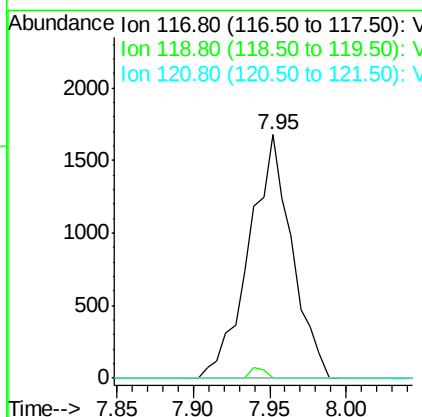
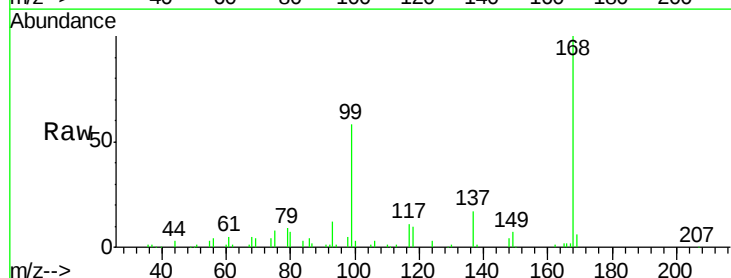
Instrument :
 MSVOA_W
 ClientSampleId :

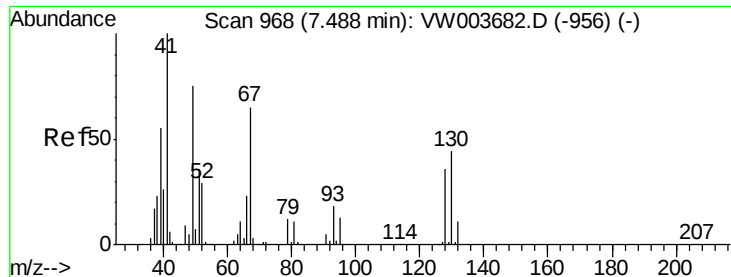
Tot Ion: 75 Resp: 2883
 Ion Ratio Lower Upper
 75 100
 110 7.5 16.9 50.6#
 77 0.0 24.9 37.3#



#38
 Carbon Tetrachloride
 Concen: 6.956 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.12 min
 Lab File: VW003726.D
 Acq: 05 Jul 2018 17:26

Tgt Ion: 117 Resp: 3269
 Ion Ratio Lower Upper
 117 100
 119 0.0 74.1 111.1#
 121 0.0 25.0 37.4#

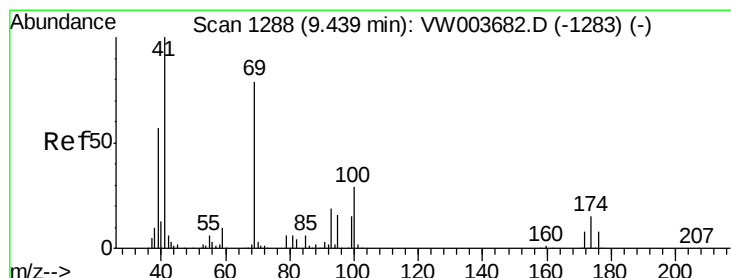
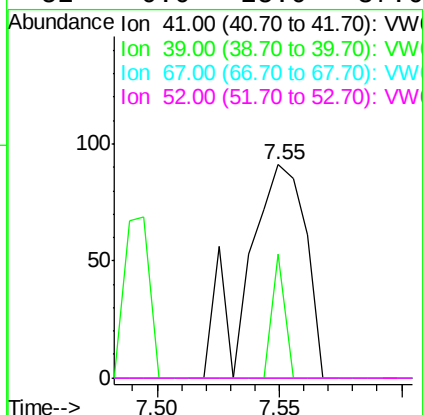
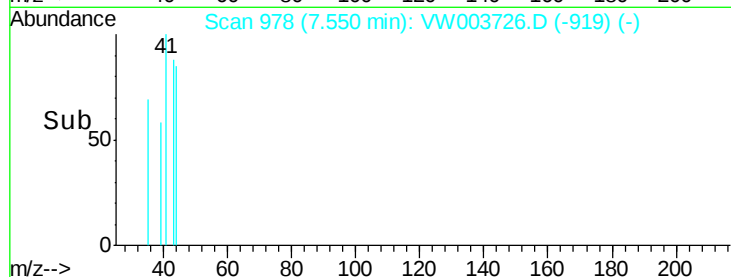
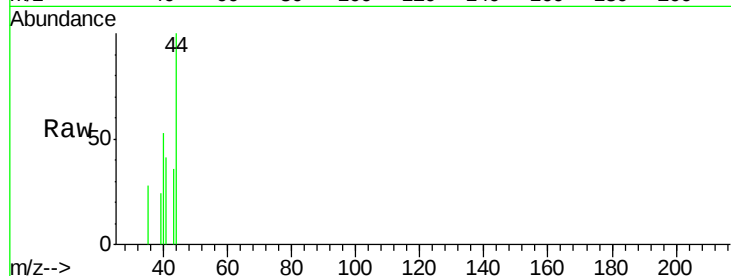




#41
Methacrylonitrile
Concen: 1.119 ug/l
RT: 7.55 min Scan# 978
Delta R.T. 0.06 min
Lab File: VW003726.D
Acq: 05 Jul 2018 17:26

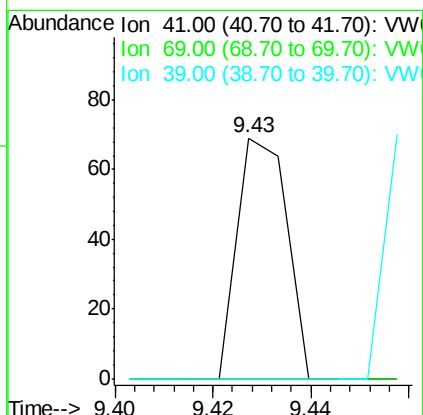
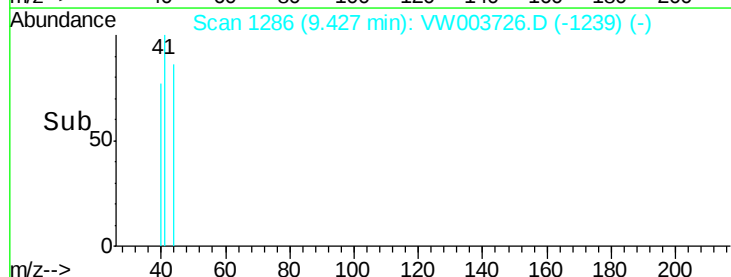
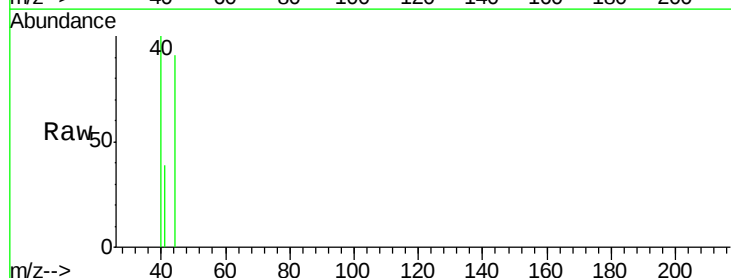
Instrument :
MSVOA_W
ClientSampled :

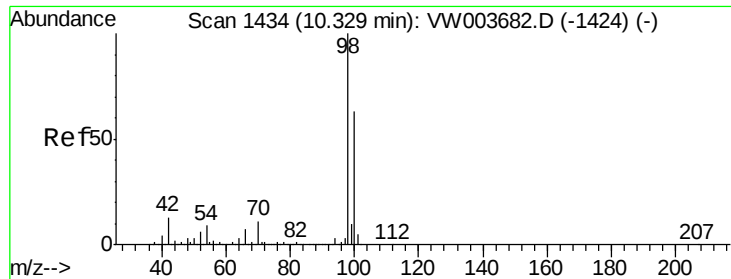
Tot Ion	Ratio	Lower	Upper
41	100		
39	12.4	47.8	71.8#
67	0.0	53.9	80.9#
52	0.0	25.0	37.6#



#48
Methyl methacrylate
Concen: 3.555 ug/l
RT: 9.43 min Scan# 1286
Delta R.T. -0.01 min
Lab File: VW003726.D
Acq: 05 Jul 2018 17:26

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





#50

Toluene-d8

Concen: 38.308 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW003726.D

Acq: 05 Jul 2018 17:26

Instrument :

MSVOA_W

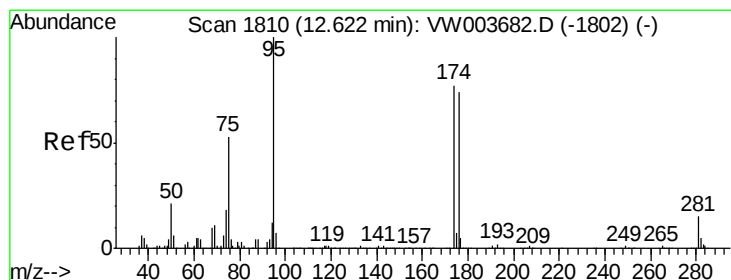
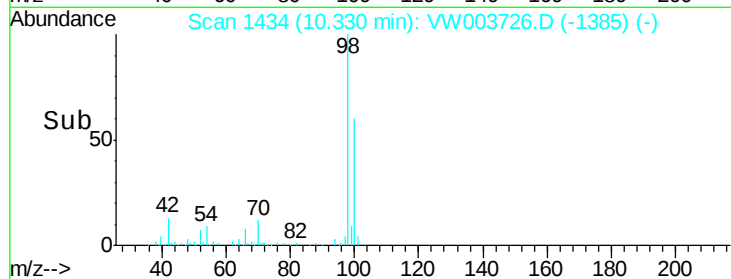
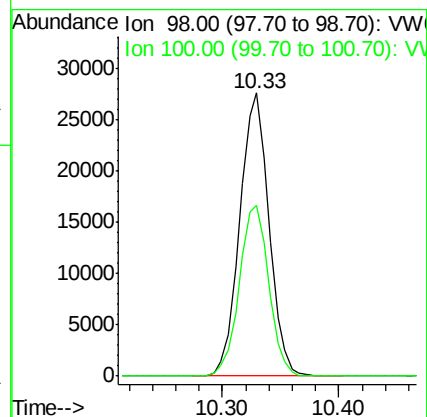
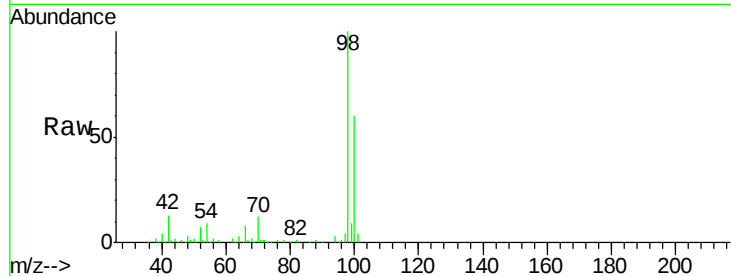
ClientSampleId :

Tot Ion: 98 Resp: 48269

Ion Ratio Lower Upper

98 100

100 60.9 50.8 76.2



#62

4-Bromofluorobenzene

Concen: 31.235 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VW003726.D

Acq: 05 Jul 2018 17:26

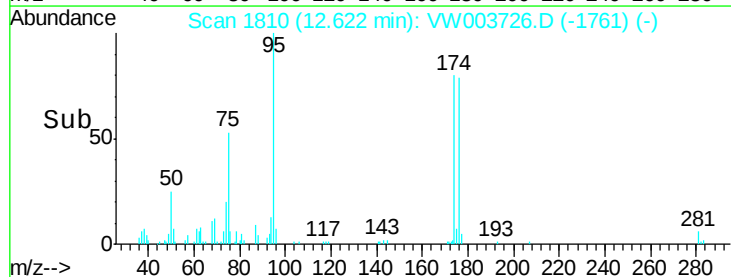
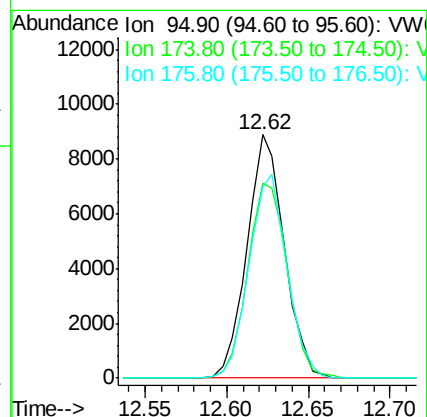
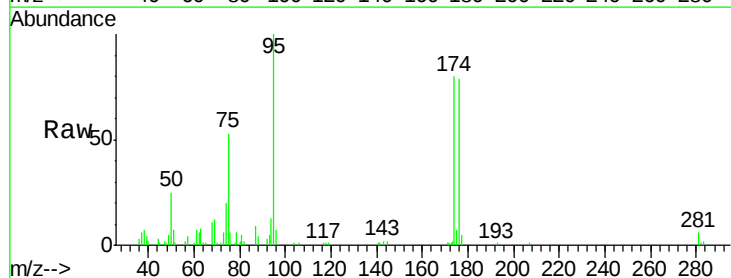
Tgt Ion: 95 Resp: 14139

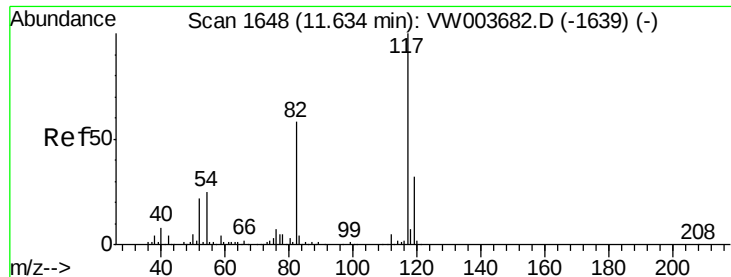
Ion Ratio Lower Upper

95 100

174 85.5 0.0 161.2

176 85.1 0.0 155.0

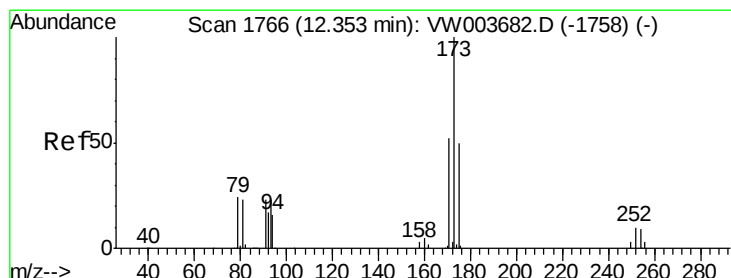
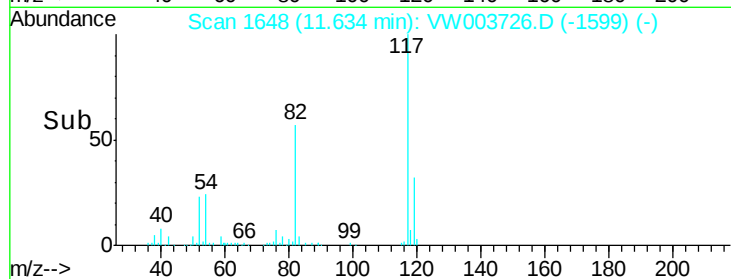
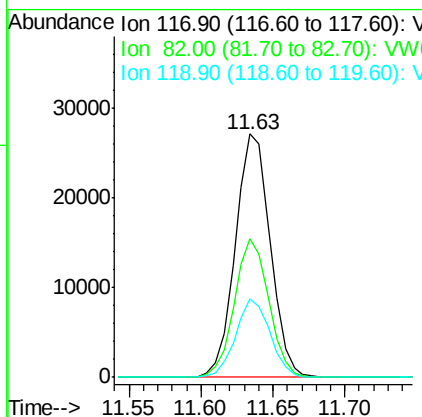
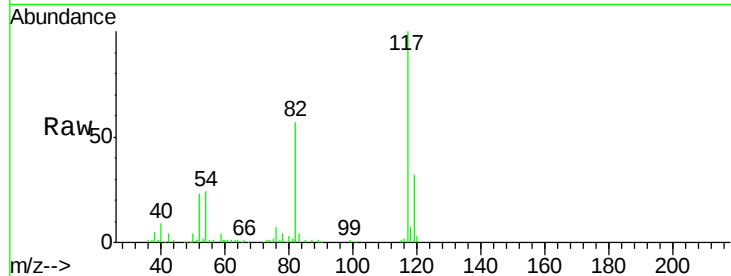




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. 0.00 min
Lab File: VW003726.D
Acq: 05 Jul 2018 17:26

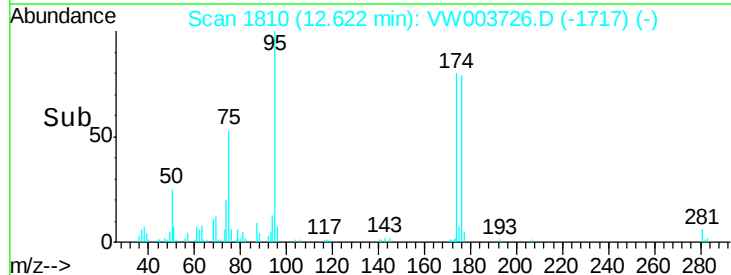
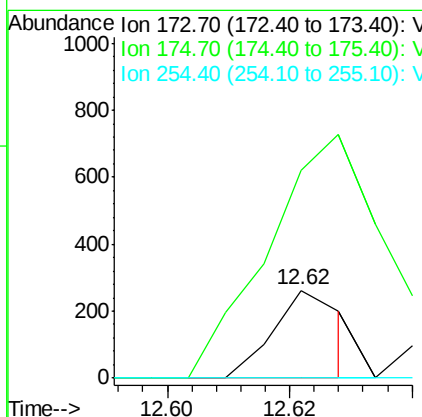
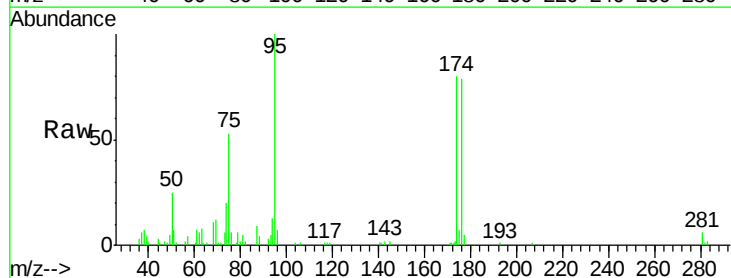
Instrument :
MSVOA_W
ClientSampleId :

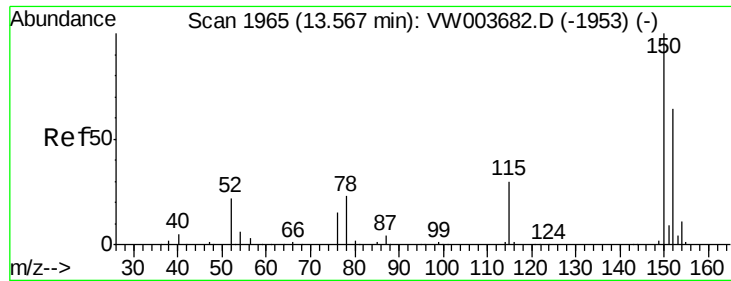
Tot Ion:117 Resp: 45582
Ion Ratio Lower Upper
117 100
82 57.0 46.0 69.0
119 32.5 25.4 38.0



#71
Bromoform
Concen: 1.107 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. 0.27 min
Lab File: VW003726.D
Acq: 05 Jul 2018 17:26

Tgt Ion:173 Resp: 206
Ion Ratio Lower Upper
173 100
175 0.0 24.5 73.5#
254 0.0 0.2 0.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VW003726.D

Acq: 05 Jul 2018 17:26

Instrument :

MSVOA_W

ClientSampled :

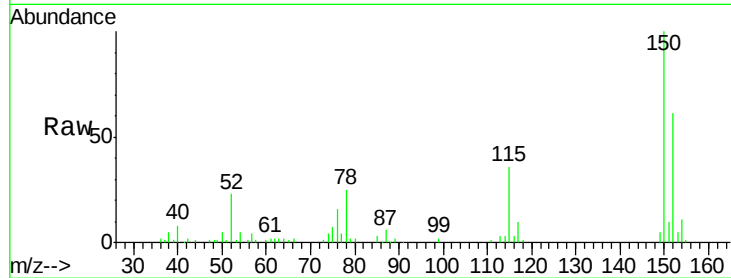
Tot Ion:152 Resp: 16060

Ion Ratio Lower Upper

152 100

115 59.8 29.3 88.0

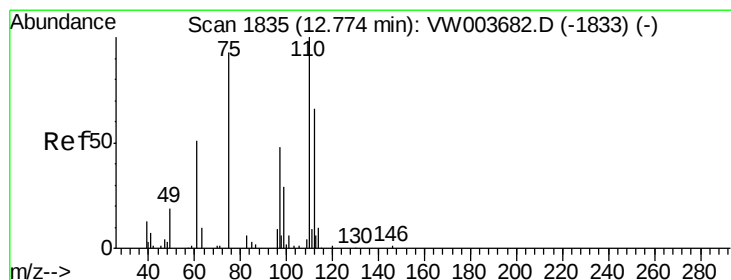
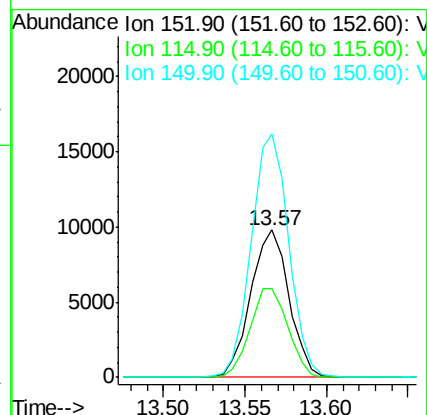
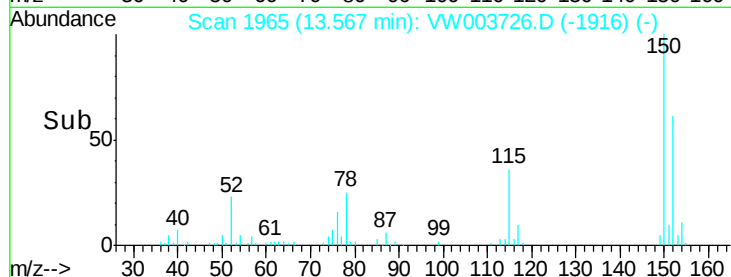
150 161.6 0.0 352.0



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: 55.512 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. -0.15 min

Lab File: VW003726.D

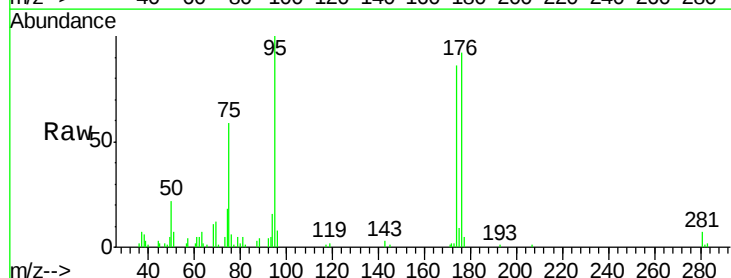
Acq: 05 Jul 2018 17:26

Tgt Ion: 75 Resp: 8016

Ion Ratio Lower Upper

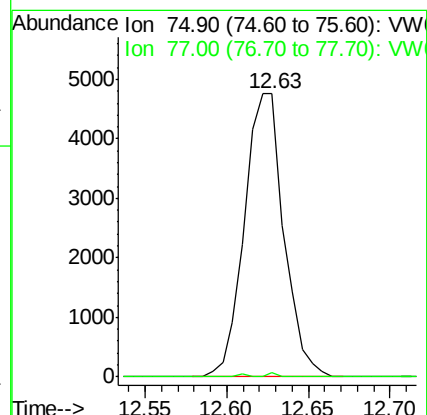
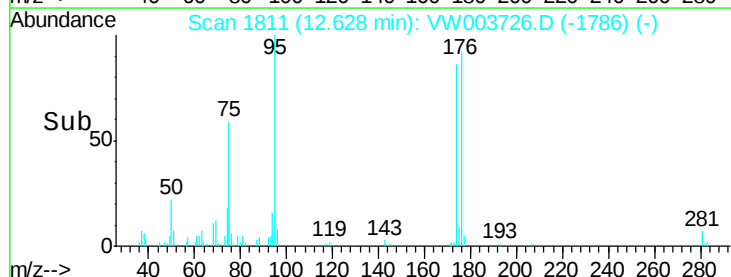
75 100

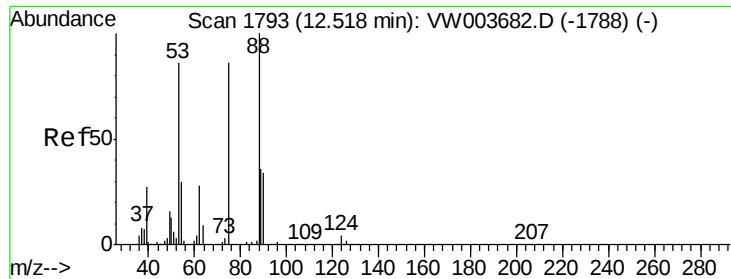
77 0.3 0.0 0.0#



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: 117.625 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. 0.11 min

Lab File: VW003726.D

Acq: 05 Jul 2018 17:26

Instrument :

MSVOA_W

ClientSampleId :

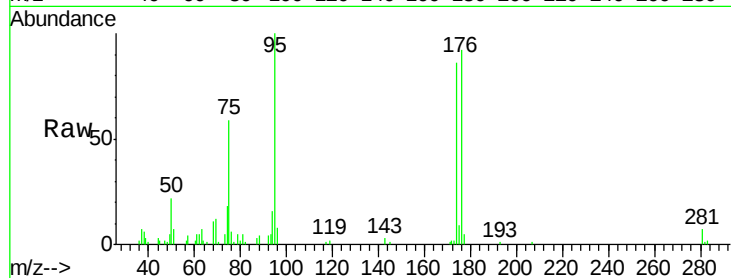
Tot Ion: 75 Resp: 8016

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

