

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW070518\
 Data File : VW003716.D
 Acq On : 05 Jul 2018 13:07
 Operator : SY/AP
 Sample : J3840-03
 Misc : 7.23G/5ML/MSVOA W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 06 02:34:47 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	210119	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	347306	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	308153	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	143603	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	112791	45.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.06%	
35) Dibromofluoromethane	7.88	113	102317	45.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.34%	
50) Toluene-d8	10.33	98	340950	38.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	76.68%	
62) 4-Bromofluorobenzene	12.63	95	117375	36.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	73.48%	

Target Compounds

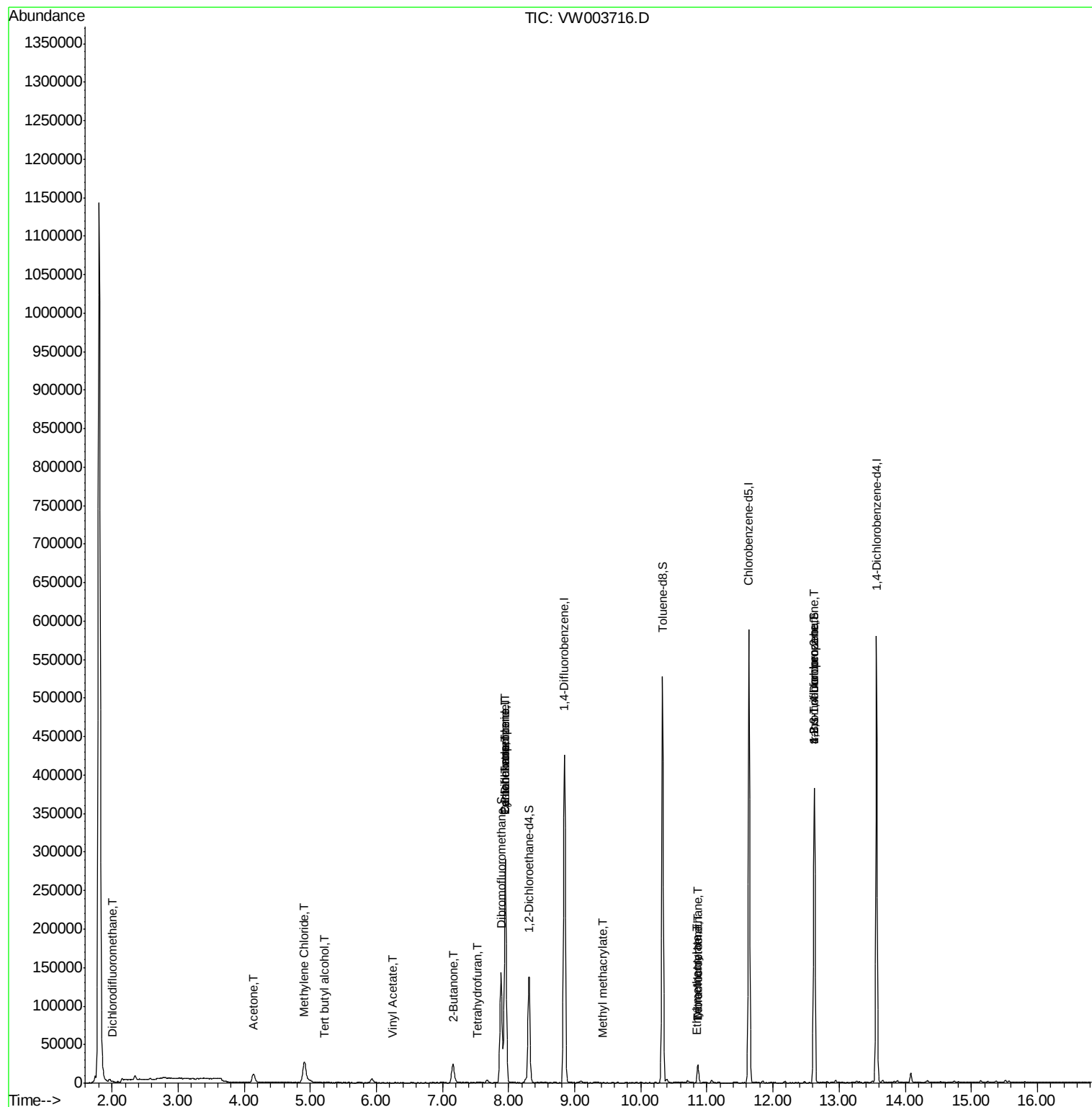
						Qvalue
2) Dichlorodifluoromethane	2.01	85	101	4.949	ug/l #	43
11) Tert butyl alcohol	5.21	59	272	1.735	ug/l #	71
16) Acetone	4.14	43	22504	37.634	ug/l	98
20) Methylene Chloride	4.91	84	23322	7.334	ug/l	94
23) Vinyl Acetate	6.25	43	113	13.886	ug/l #	74
25) 2-Butanone	7.18	43	2669	3.486	ug/l #	88
29) Tetrahydrofuran	7.54	42	711	1.549	ug/l #	59
31) Cyclohexane	7.95	56	5306	1.386	ug/l #	21
36) 1,1-Dichloropropene	7.95	75	17251	4.948	ug/l #	50
38) Carbon Tetrachloride	7.95	117	21530	6.492	ug/l #	17
48) Methyl methacrylate	9.43	41	55	3.394	ug/l #	13
56) Ethyl methacrylate	10.84	69	21	3.592	ug/l #	1
60) Dibromochloromethane	10.87	129	4281	1.969	ug/l #	10
64) Tetrachloroethene	10.86	164	4879	2.343	ug/l	98
76) 1,2,3-Trichloropropane	12.63	75	62360	48.296	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	62360	102.337	ug/l #	9

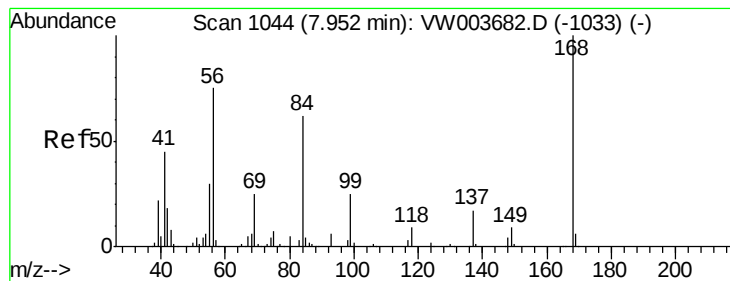
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Jul 03 08:55:34 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VW003716.D

Acq: 05 Jul 2018 13:07

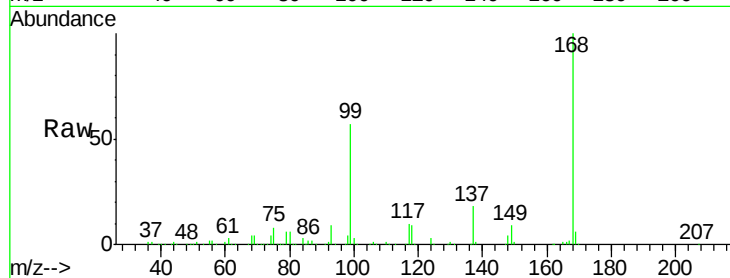
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 210119

Ion Ratio Lower Upper

168 100

99 56.6 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

100000

80000

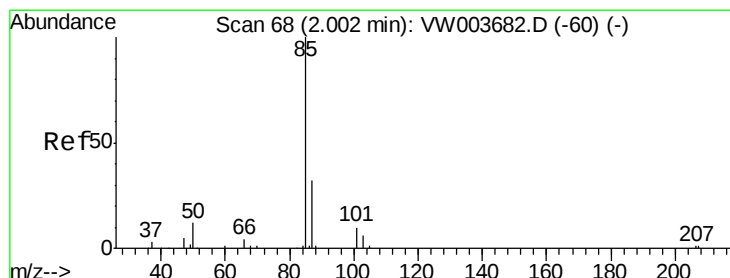
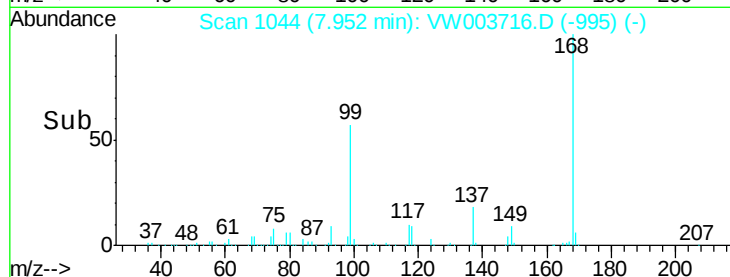
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 4.949 ug/l

RT: 2.01 min Scan# 69

Delta R.T. 0.01 min

Lab File: VW003716.D

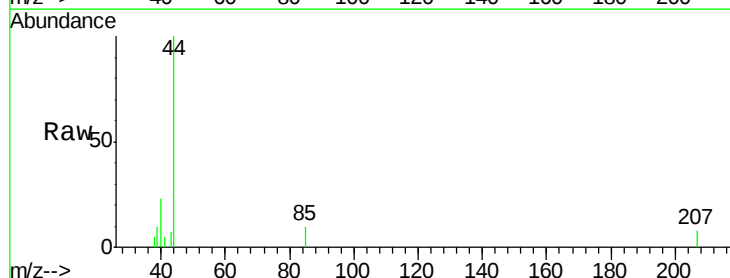
Acq: 05 Jul 2018 13:07

Tgt Ion: 85 Resp: 101

Ion Ratio Lower Upper

85 100

87 0.0 16.0 47.9#



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

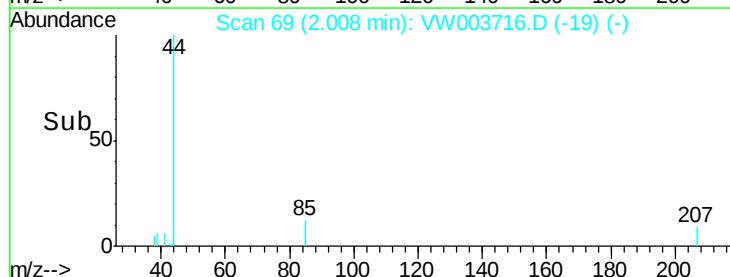
2.01

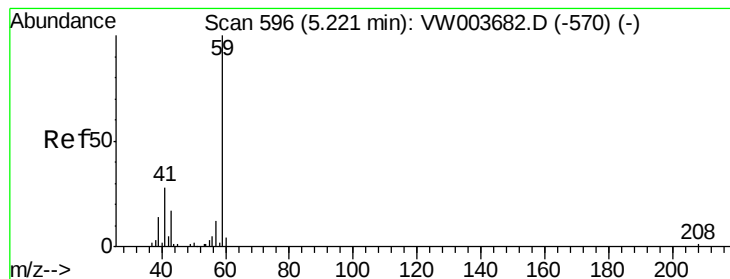
100

50

0

Time-->



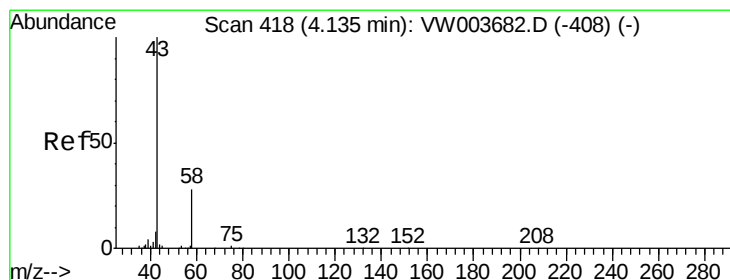
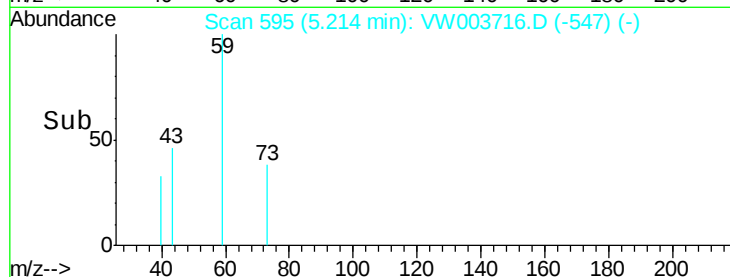
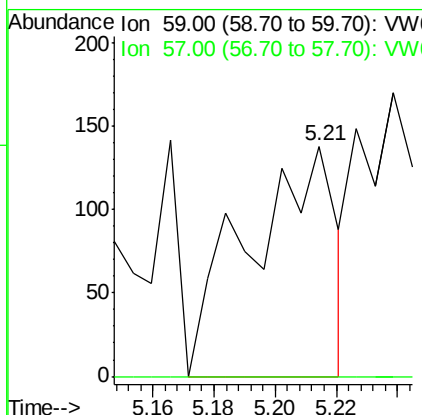
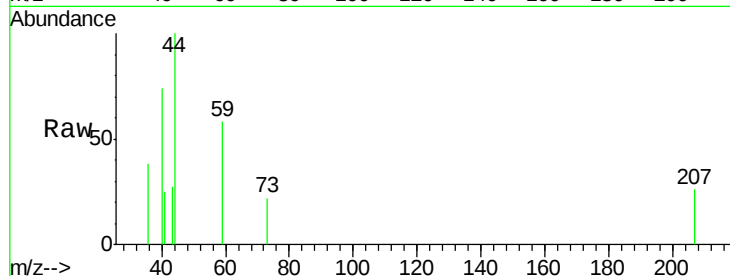


#11

Tert butyl alcohol
 Concen: 1.735 ug/l
 RT: 5.21 min Scan# 595
 Delta R.T. -0.01 min
 Lab File: VW003716.D
 Acq: 05 Jul 2018 13:07

Instrument :
 MSVOA_W
 ClientSampleId :

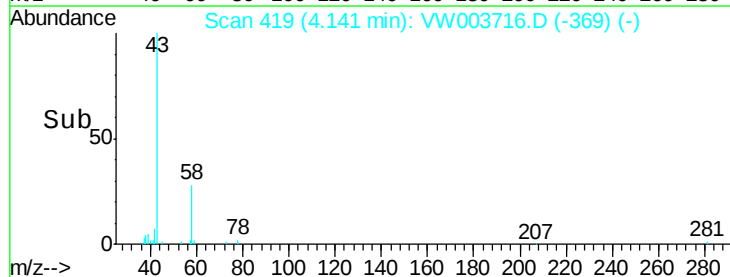
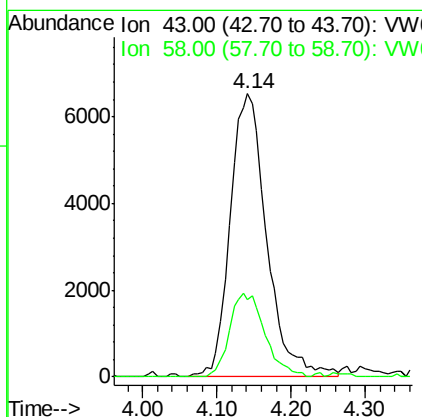
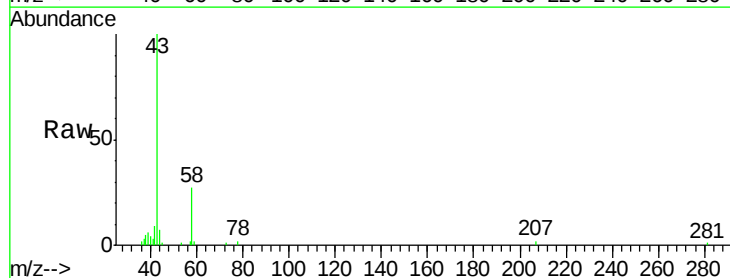
Tot Ion: 59 Resp: 272
 Ion Ratio Lower Upper
 59 100
 57 0.0 9.0 13.4#

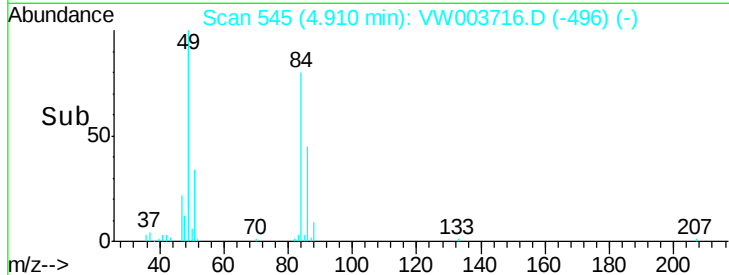
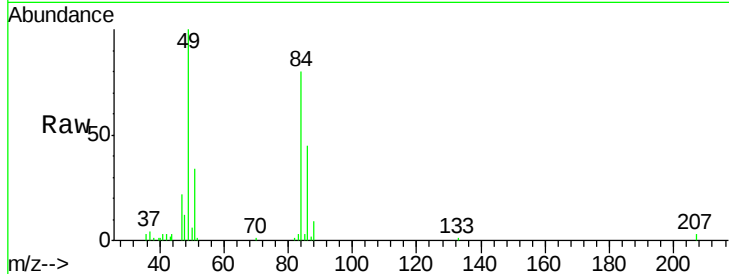
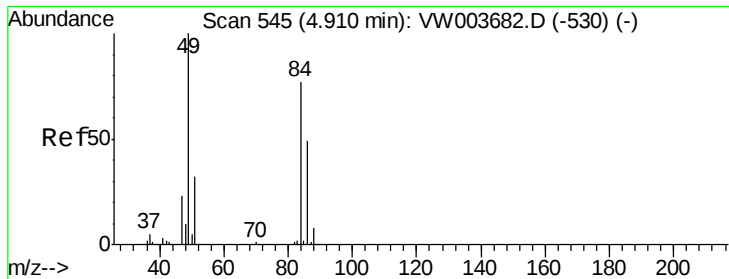


#16

Acetone
 Concen: 37.634 ug/l
 RT: 4.14 min Scan# 419
 Delta R.T. 0.01 min
 Lab File: VW003716.D
 Acq: 05 Jul 2018 13:07

Tgt Ion: 43 Resp: 22504
 Ion Ratio Lower Upper
 43 100
 58 27.2 22.7 34.1

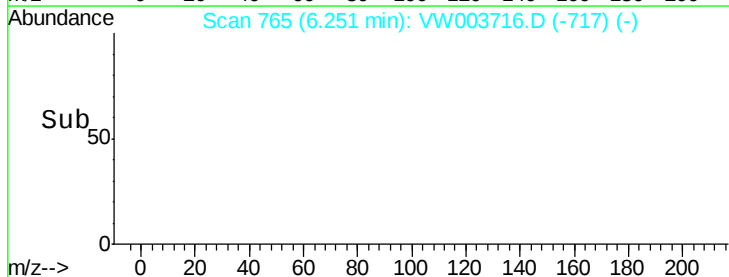
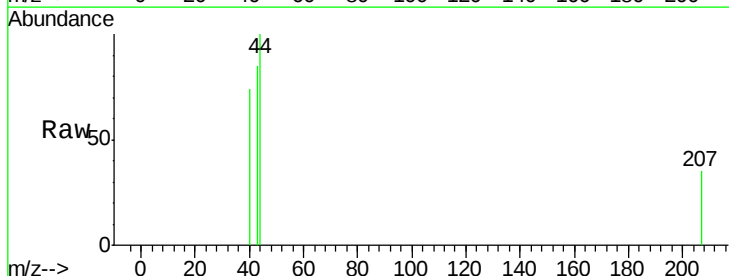
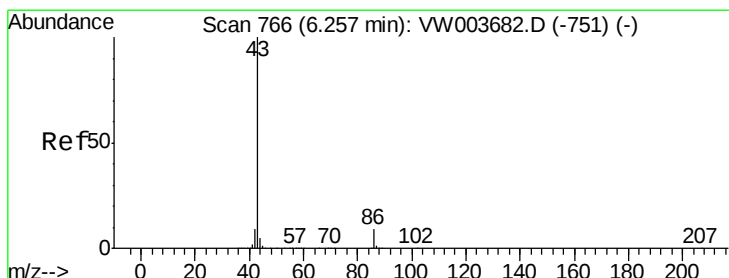
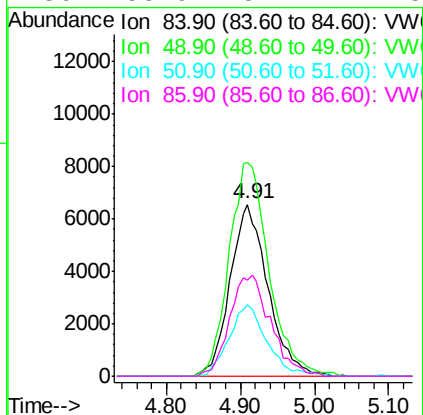




#20
Methylene Chloride
Concen: 7.334 ug/l
RT: 4.91 min Scan# 545
Delta R.T. 0.00 min
Lab File: VW003716.D
Acq: 05 Jul 2018 13:07

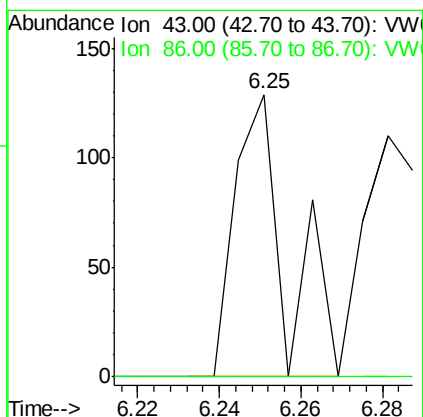
Instrument :
MSVOA_W
ClientSampled :

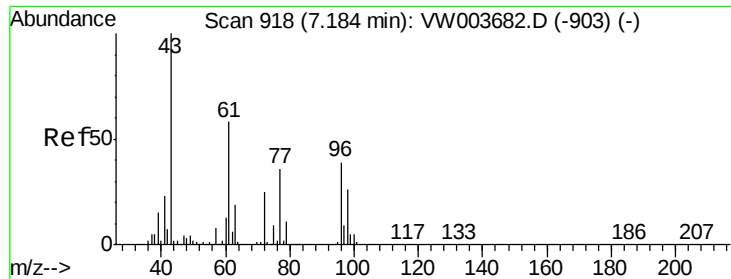
Tot Ion: 84 Resp: 23322
Ion Ratio Lower Upper
84 100
49 124.3 104.6 156.8
51 41.8 33.2 49.8
86 55.9 51.7 77.5



#23
Vinyl Acetate
Concen: 13.886 ug/l
RT: 6.25 min Scan# 765
Delta R.T. -0.01 min
Lab File: VW003716.D
Acq: 05 Jul 2018 13:07

Tgt Ion: 43 Resp: 113
Ion Ratio Lower Upper
43 100
86 0.0 7.5 11.3#





#25

2-Butanone

Concen: 3.486 ug/l

RT: 7.18 min Scan# 917

Delta R.T. -0.01 min

Lab File: VW003716.D

Acq: 05 Jul 2018 13:07

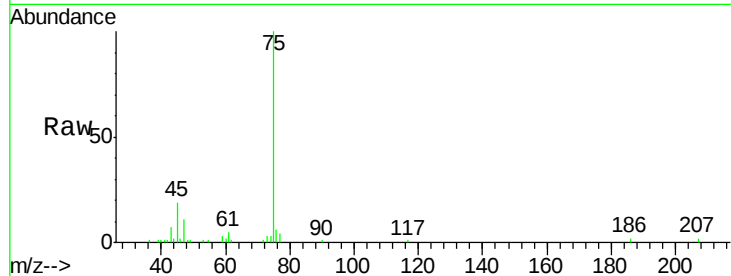
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 2669

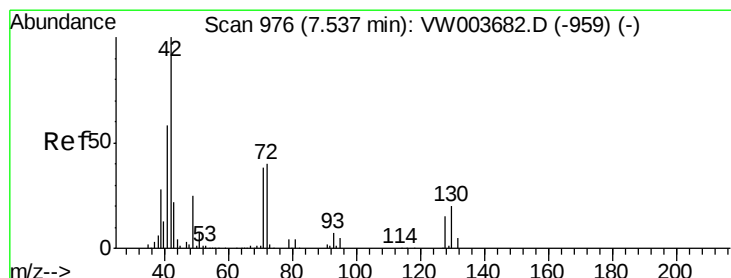
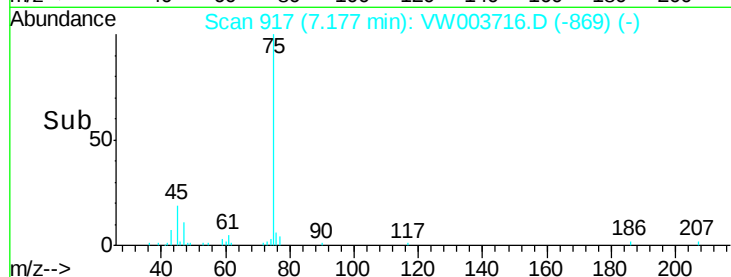
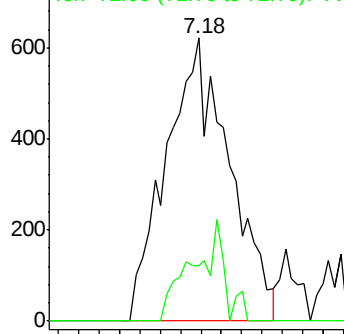
Ion Ratio Lower Upper

43 100

72 19.5 20.2 30.4#



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW



#29

Tetrahydrofuran

Concen: 1.549 ug/l

RT: 7.54 min Scan# 976

Delta R.T. -0.00 min

Lab File: VW003716.D

Acq: 05 Jul 2018 13:07

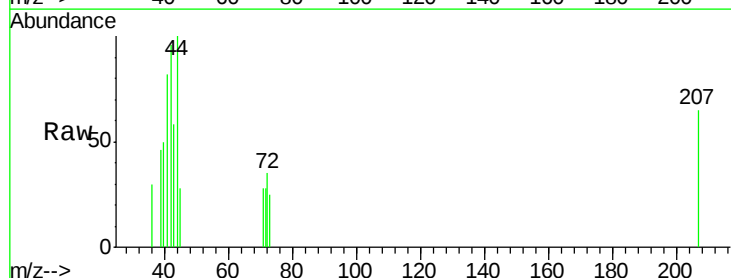
Tgt Ion: 42 Resp: 711

Ion Ratio Lower Upper

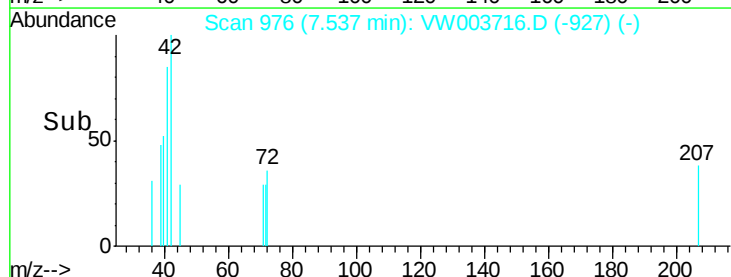
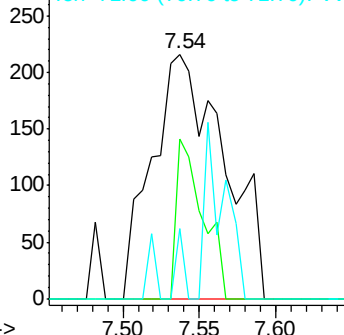
42 100

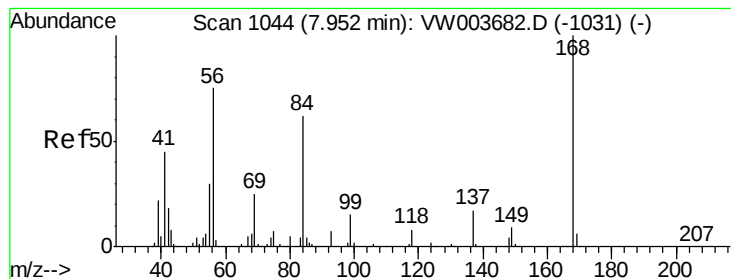
72 24.2 32.0 48.0#

71 3.0 30.2 45.2#



Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW





#31

Cyclohexane

Concen: 1.386 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VW003716.D

Acq: 05 Jul 2018 13:07

Instrument :
MSVOA_W
ClientSampled :

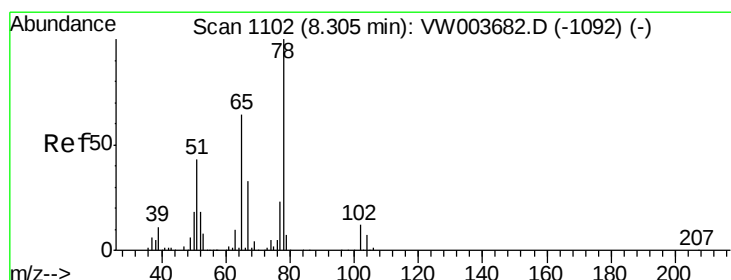
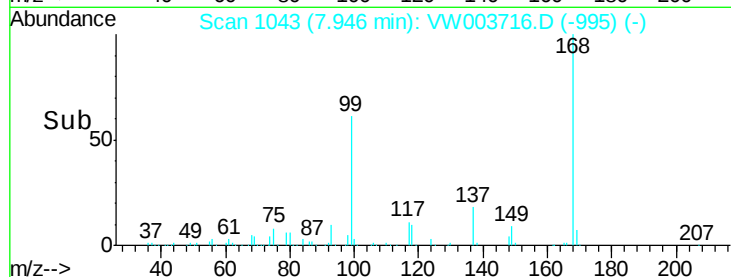
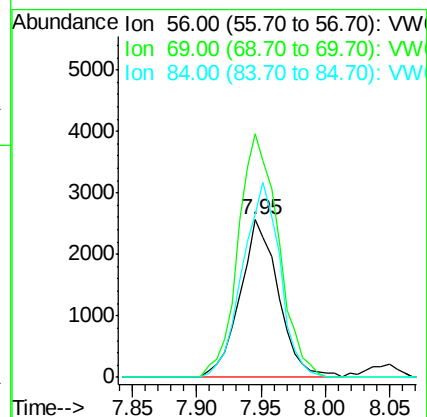
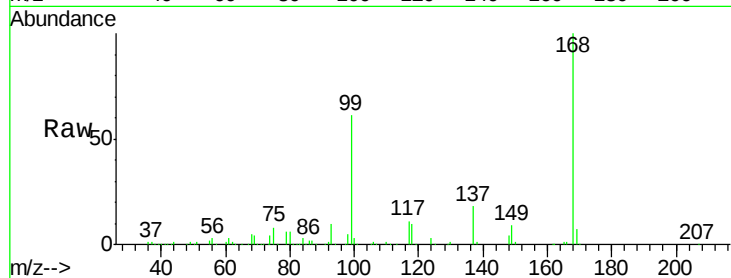
Tot Ion: 56 Resp: 5306

Ion Ratio Lower Upper

56 100

69 154.5 27.0 40.4#

84 103.4 65.4 98.0#



#33

1,2-Dichloroethane-d4

Concen: 45.025 ug/l

RT: 8.31 min Scan# 1102

Delta R.T. -0.00 min

Lab File: VW003716.D

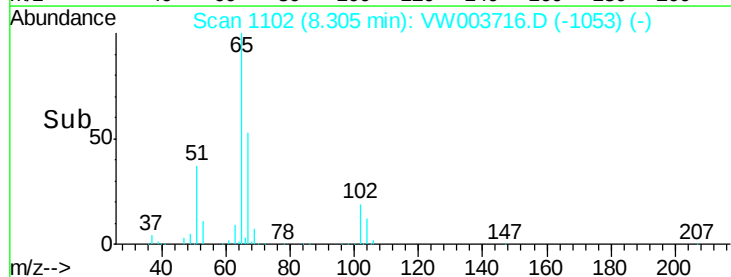
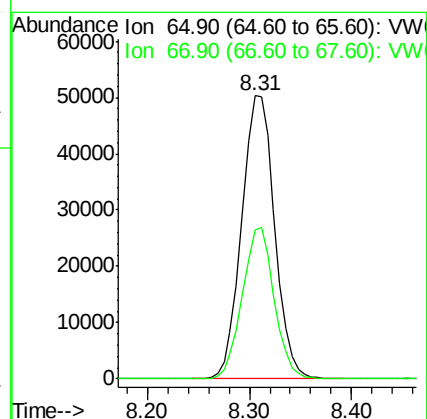
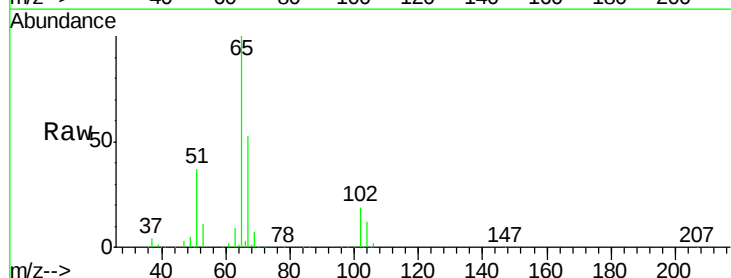
Acq: 05 Jul 2018 13:07

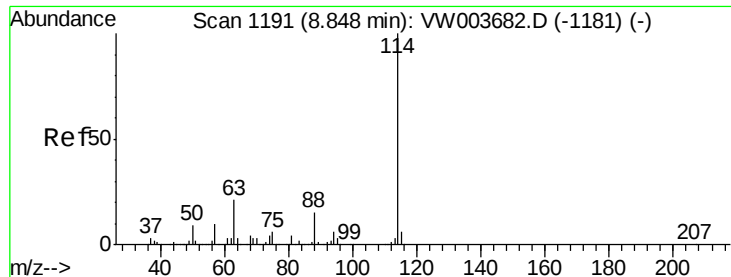
Tgt Ion: 65 Resp: 112791

Ion Ratio Lower Upper

65 100

67 51.6 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: VW003716.D

Acq: 05 Jul 2018 13:07

Instrument :

MSVOA_W

ClientSampleId :

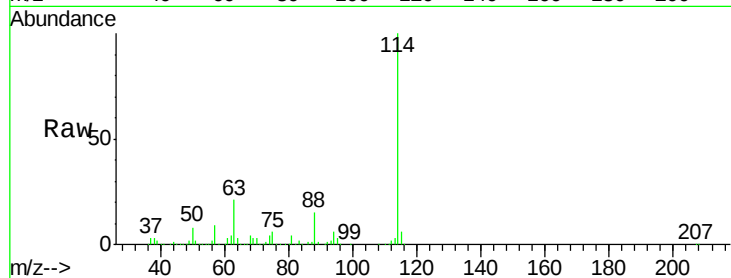
Tot Ion:114 Resp: 347306

Ion Ratio Lower Upper

114 100

63 21.2 0.0 41.6

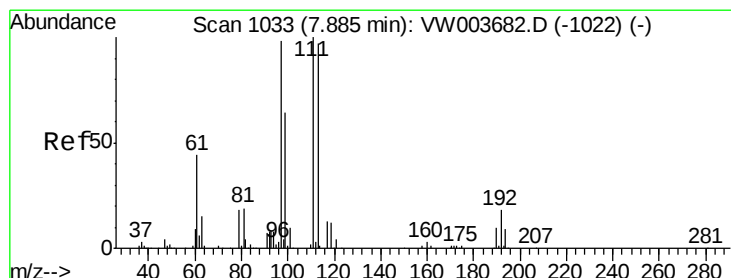
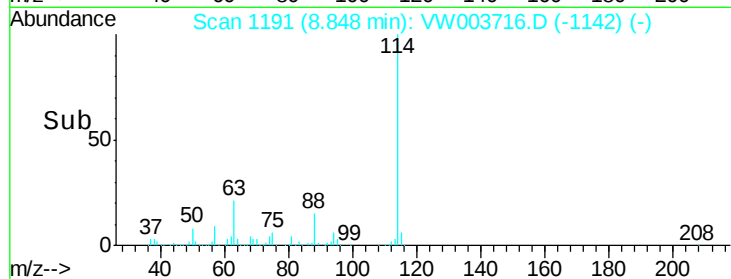
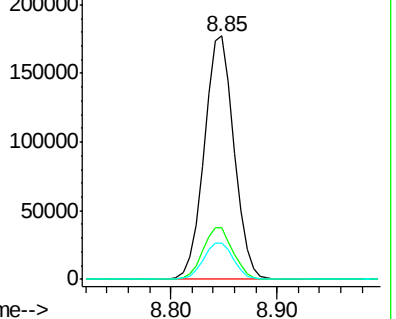
88 15.1 0.0 29.8



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: 45.170 ug/l

RT: 7.88 min Scan# 1033

Delta R.T. -0.00 min

Lab File: VW003716.D

Acq: 05 Jul 2018 13:07

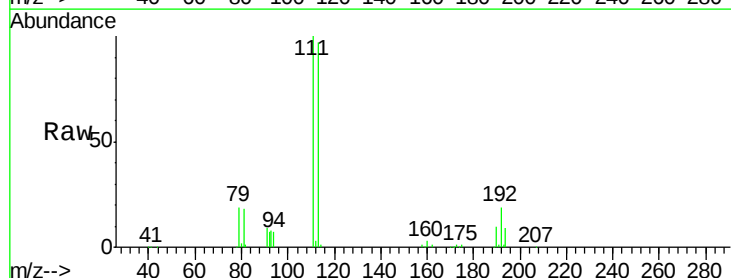
Tgt Ion:113 Resp: 102317

Ion Ratio Lower Upper

113 100

111 101.9 82.4 123.6

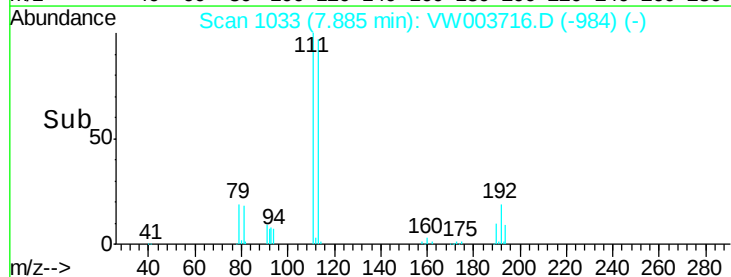
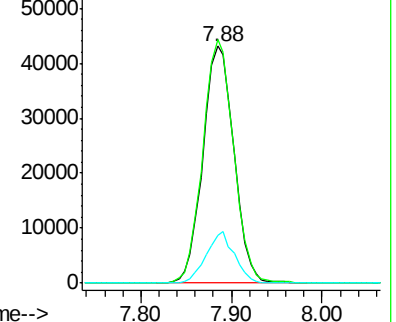
192 19.7 15.8 23.6

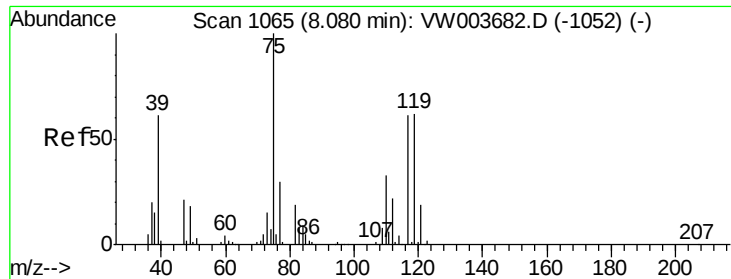


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

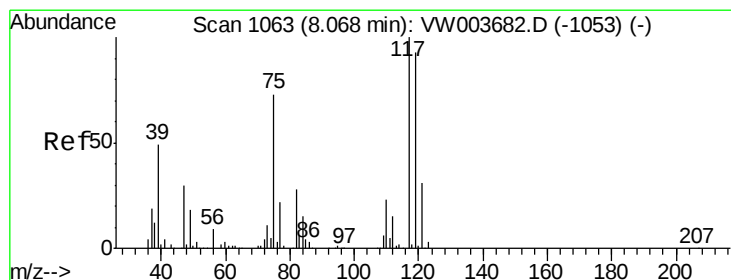
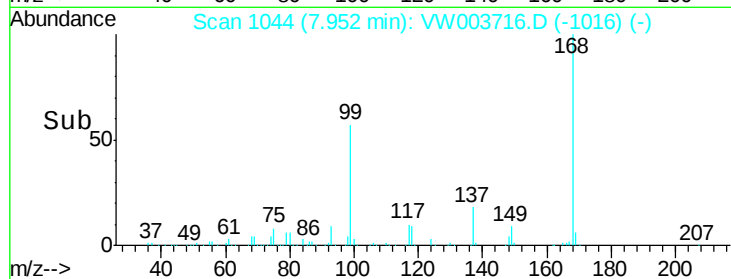
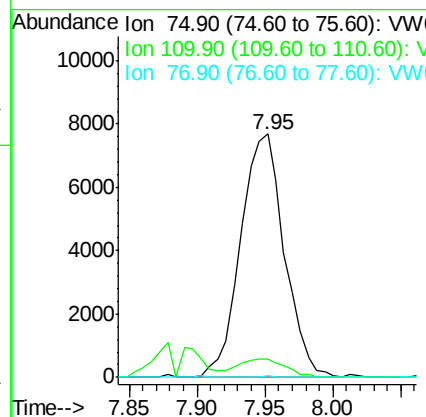
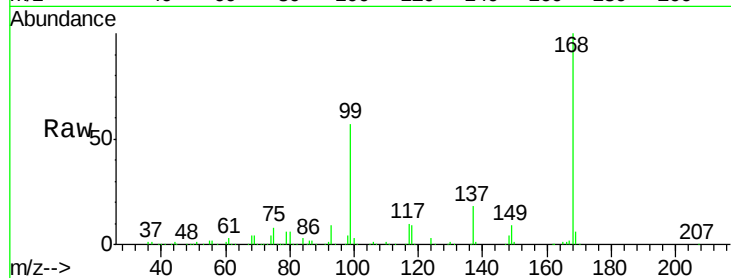




#36
 1,1-Dichloropropene
 Concen: 4.948 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.13 min
 Lab File: VW003716.D
 Acq: 05 Jul 2018 13:07

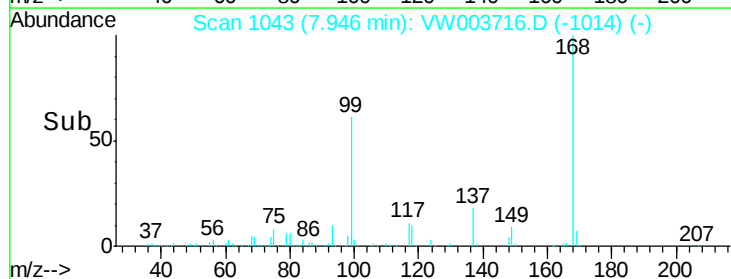
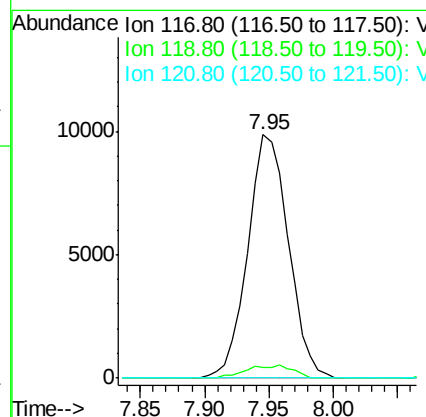
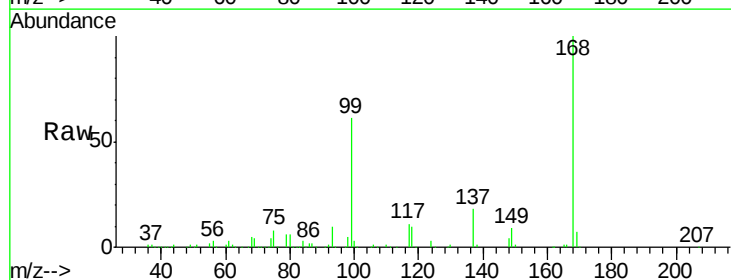
Instrument :
 MSVOA_W
 ClientSampleId :

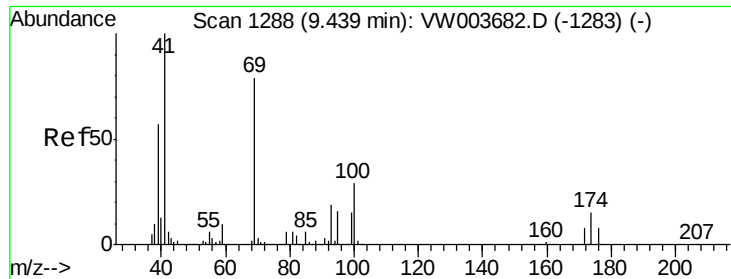
Tot Ion: 75 Resp: 17251
 Ion Ratio Lower Upper
 75 100
 110 8.1 16.9 50.6#
 77 0.1 24.9 37.3#



#38
 Carbon Tetrachloride
 Concen: 6.492 ug/l
 RT: 7.95 min Scan# 1043
 Delta R.T. -0.12 min
 Lab File: VW003716.D
 Acq: 05 Jul 2018 13:07

Tgt Ion: 117 Resp: 21530
 Ion Ratio Lower Upper
 117 100
 119 4.4 74.1 111.1#
 121 0.0 25.0 37.4#

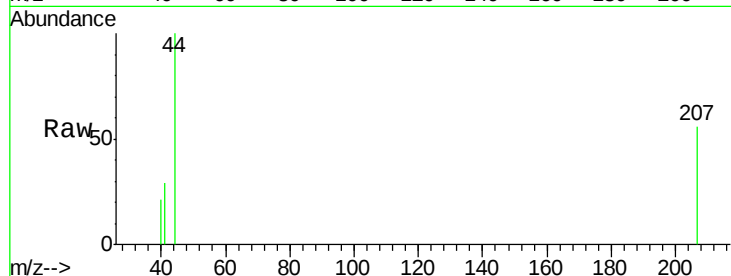




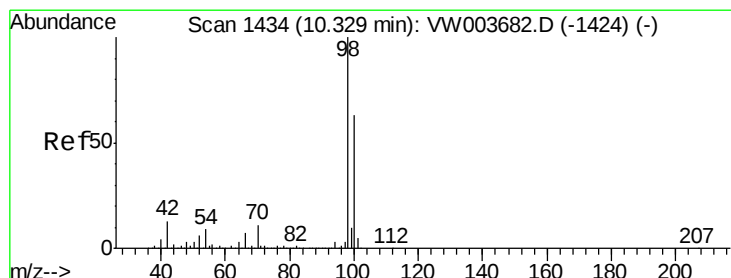
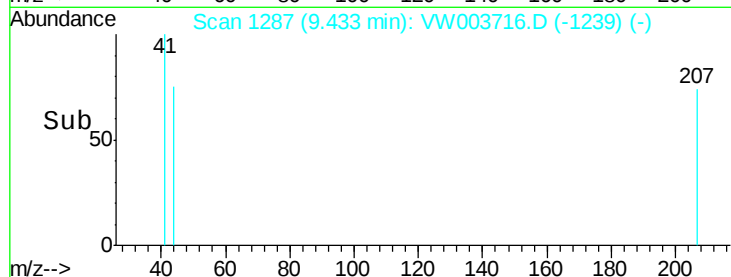
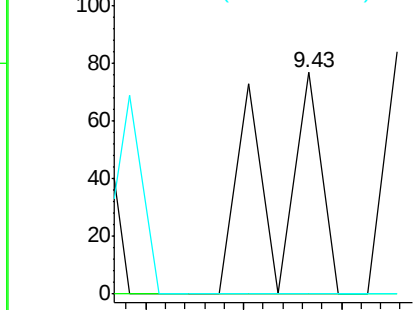
#48
Methvl methacrylate
Concen: 3.394 ug/l
RT: 9.43 min Scan# 1287
Delta R.T. -0.01 min
Lab File: VW003716.D
Acq: 05 Jul 2018 13:07

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 41 Resp: 55
Ion Ratio Lower Upper
41 100
69 0.0 65.4 98.2#
39 0.0 50.0 75.0#

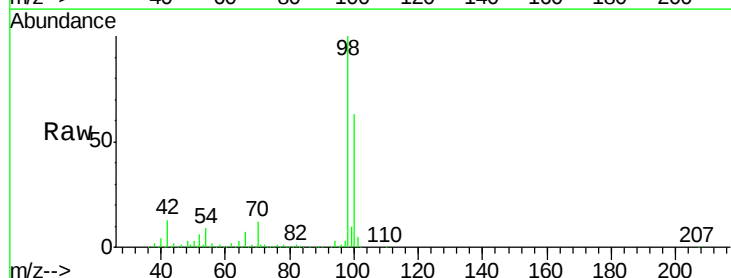


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 39.00 (38.70 to 39.70): VW

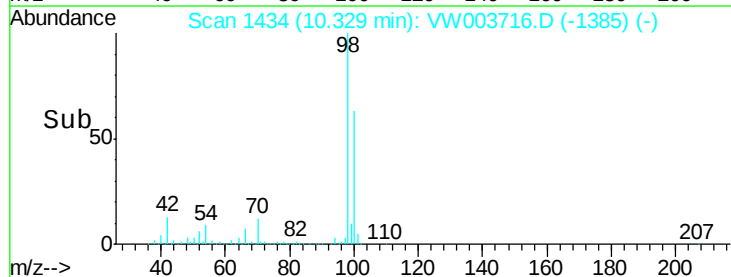
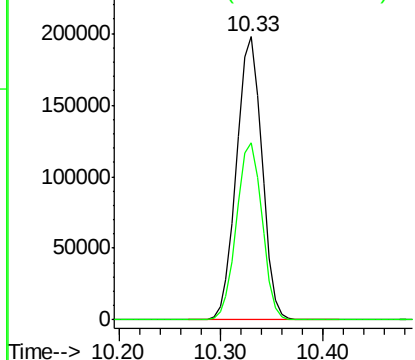


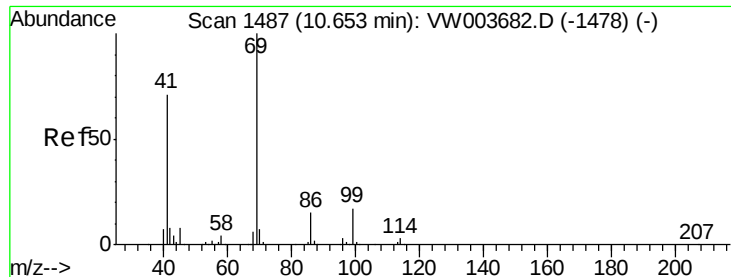
#50
Toluene-d8
Concen: 38.342 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. -0.00 min
Lab File: VW003716.D
Acq: 05 Jul 2018 13:07

Tgt Ion: 98 Resp: 340950
Ion Ratio Lower Upper
98 100
100 62.9 50.8 76.2



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW





#56

Ethyl methacrylate

Concen: 3.592 ug/l

RT: 10.84 min Scan# 1517

Delta R.T. 0.18 min

Lab File: VW003716.D

Acq: 05 Jul 2018 13:07

Instrument :

MSVOA_W

ClientSampleId :

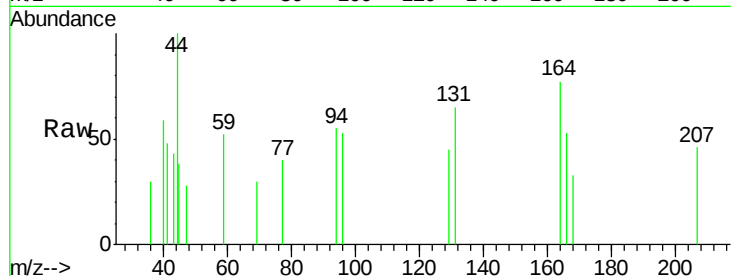
Tot Ion: 69 Resp: 21

Ion Ratio Lower Upper

69 100

41 433.3 57.5 86.3#

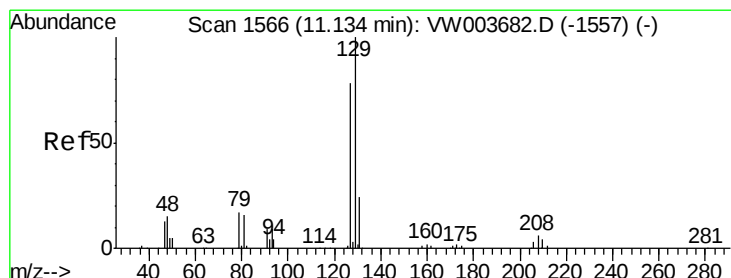
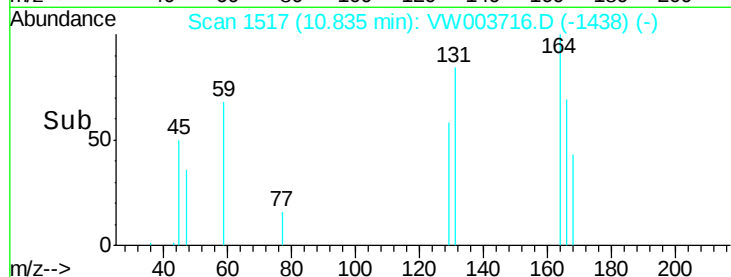
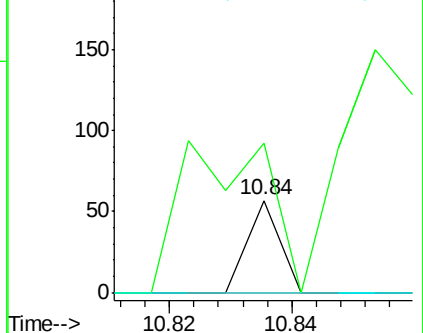
39 0.0 29.4 44.0#



Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW



#60

Dibromochloromethane

Concen: 1.969 ug/l

RT: 10.87 min Scan# 1522

Delta R.T. -0.27 min

Lab File: VW003716.D

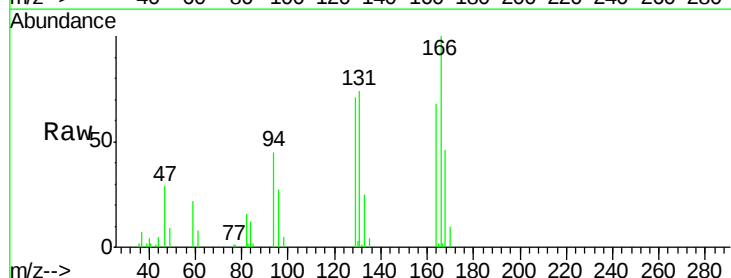
Acq: 05 Jul 2018 13:07

Tgt Ion: 129 Resp: 4281

Ion Ratio Lower Upper

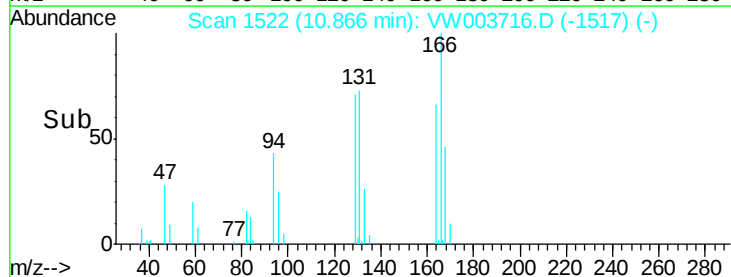
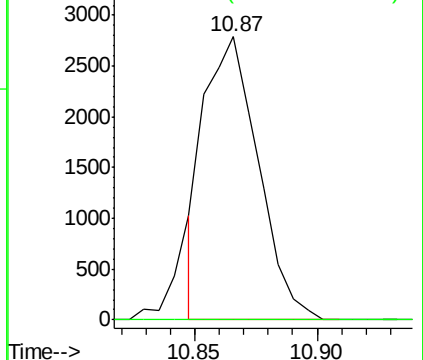
129 100

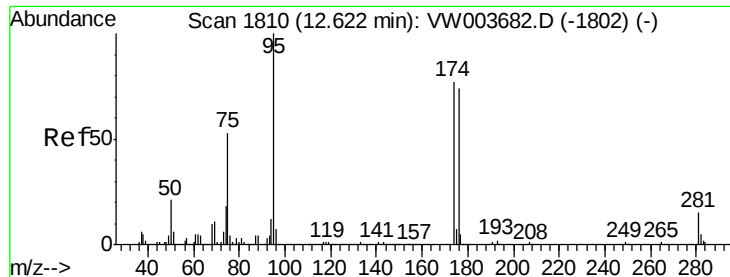
127 0.0 39.1 117.2#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

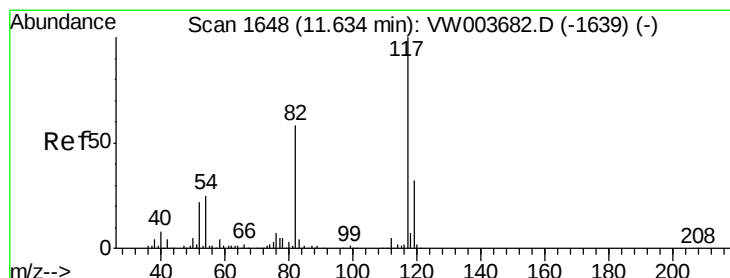
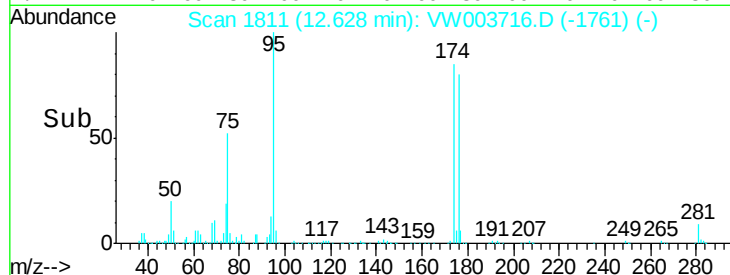
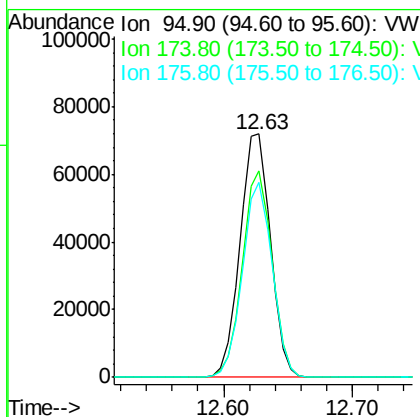
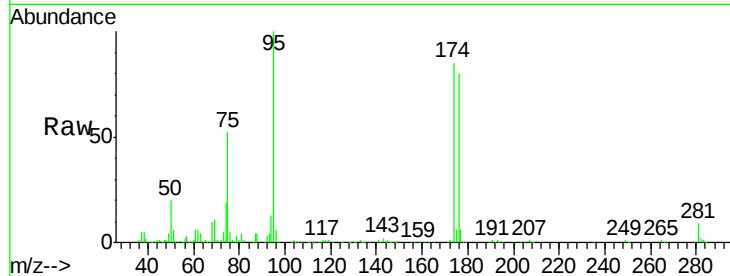




#62
4-Bromofluorobenzene
Concen: 36.742 ug/l
RT: 12.63 min Scan# 1811
Delta R.T. 0.01 min
Lab File: VW003716.D
Acq: 05 Jul 2018 13:07

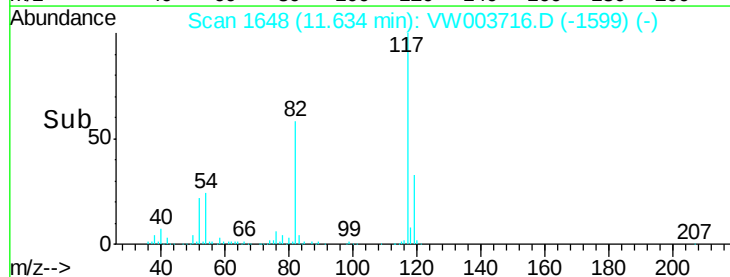
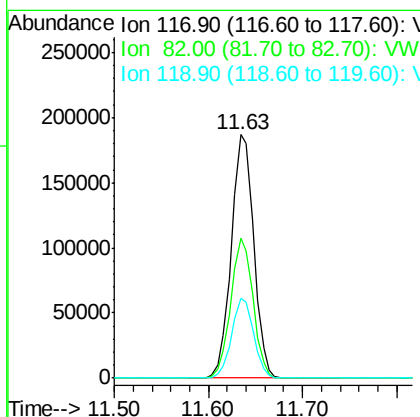
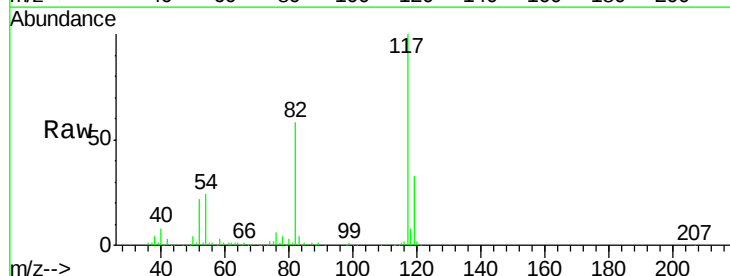
Instrument :
MSVOA_W
ClientSampled :

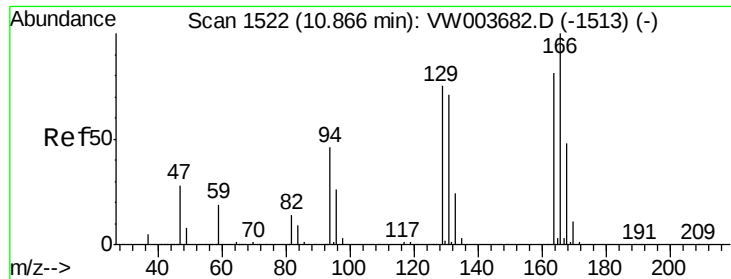
Tot Ion: 95 Resp: 117375
Ion Ratio Lower Upper
95 100
174 82.7 0.0 161.2
176 78.4 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.00 min
Lab File: VW003716.D
Acq: 05 Jul 2018 13:07

Tgt Ion: 117 Resp: 308153
Ion Ratio Lower Upper
117 100
82 57.5 46.0 69.0
119 32.7 25.4 38.0





#64

Tetrachloroethene

Concen: 2.343 ug/l

RT: 10.86 min Scan# 1521

Delta R.T. -0.01 min

Lab File: VW003716.D

Acq: 05 Jul 2018 13:07

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion:164 Resp: 4879

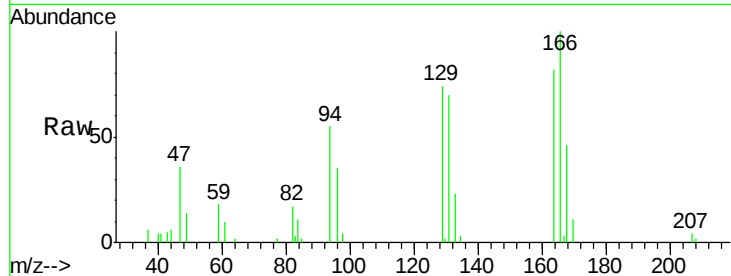
Ion Ratio Lower Upper

164 100

166 121.7 99.0 148.4

129 90.2 73.8 110.6

131 85.1 70.6 106.0

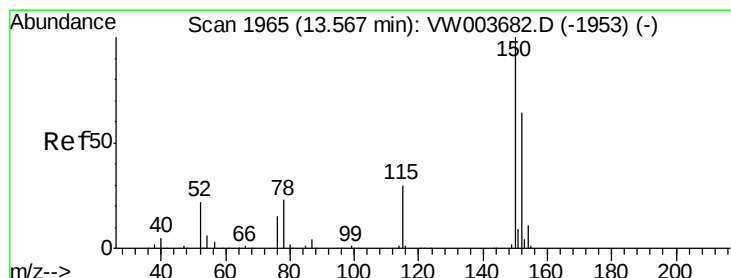
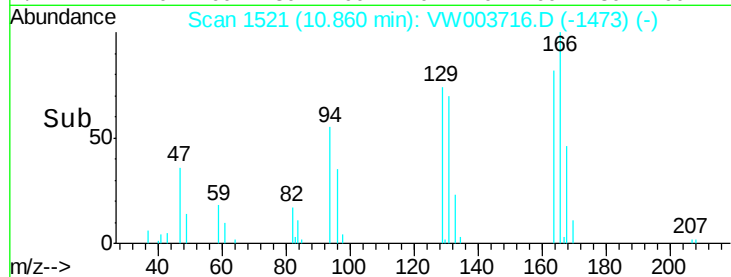
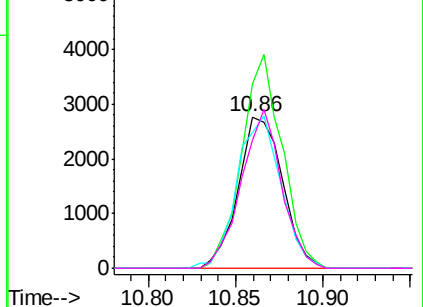


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VW003716.D

Acq: 05 Jul 2018 13:07

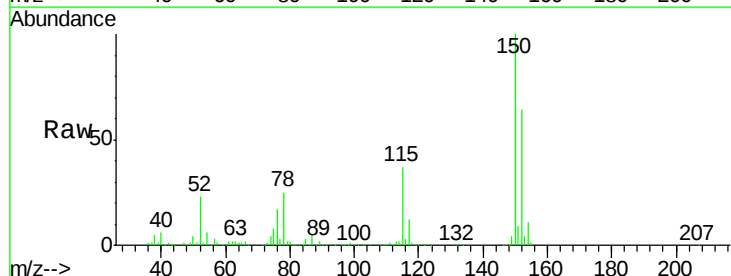
Tgt Ion:152 Resp: 143603

Ion Ratio Lower Upper

152 100

115 58.1 29.3 88.0

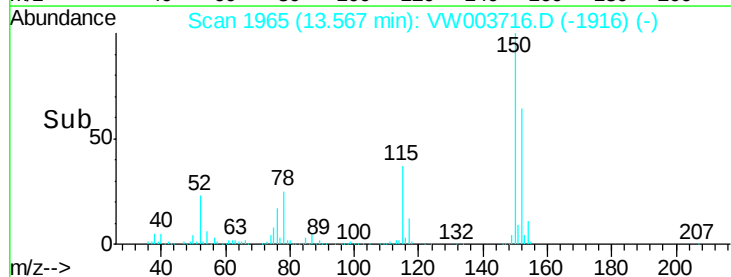
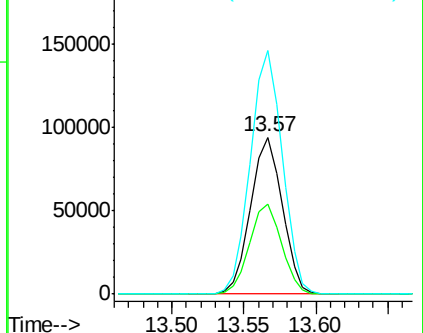
150 156.4 0.0 352.0

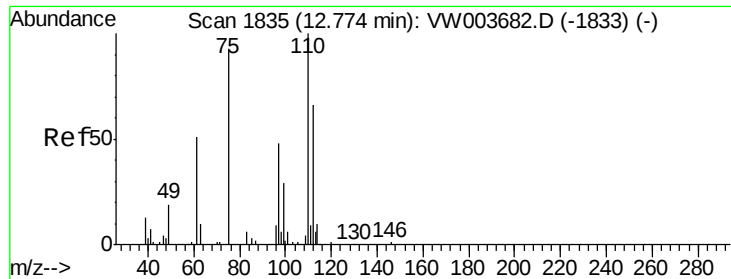


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 48.296 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. -0.15 min

Lab File: VW003716.D

Acq: 05 Jul 2018 13:07

Instrument :

MSVOA_W

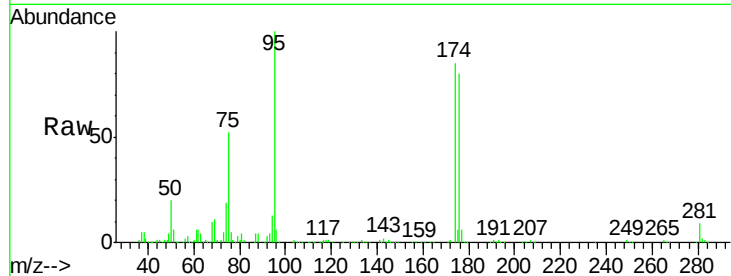
ClientSampleId :

Tot Ion: 75 Resp: 62360

Ion Ratio Lower Upper

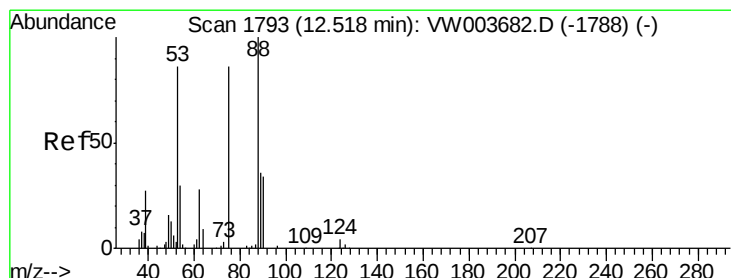
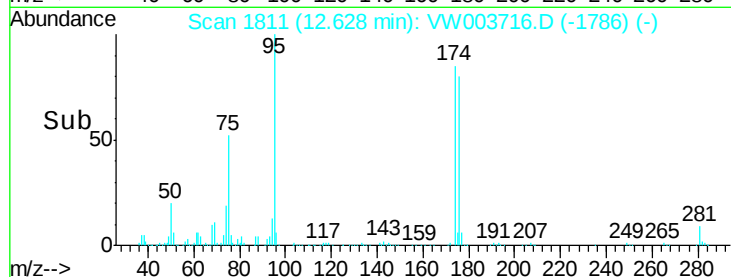
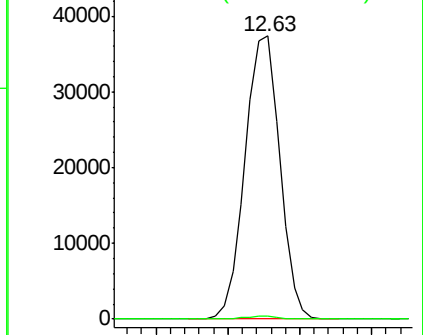
75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW



#81

trans-1,4-Dichloro-2-butene

Concen: 102.337 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. 0.11 min

Lab File: VW003716.D

Acq: 05 Jul 2018 13:07

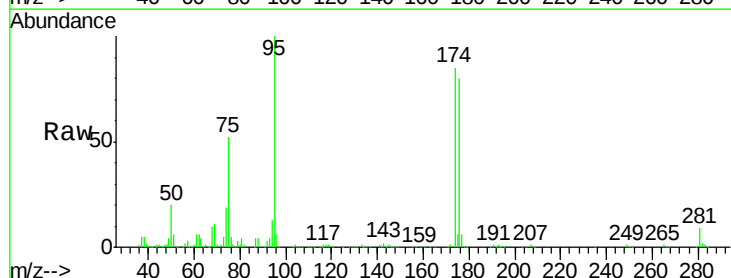
Tgt Ion: 75 Resp: 62360

Ion Ratio Lower Upper

75 100

53 0.2 82.4 123.6#

89 0.2 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

