

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW092718\
 Data File : VW005701.D
 Acq On : 27 Sep 2018 15:43
 Operator : VA/AP
 Sample : J5096-01RE
 Misc : 6.04G/5ML/MSVOA_W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MT-T-5-2RE

Quant Time: Sep 28 01:22:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092118S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 21 09:05:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	184674	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	298371	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	218665	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	72439	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	133705	61.46	ug/l	0.00
Spiked Amount			Recovery	=	122.92%	
35) Dibromofluoromethane	7.89	113	110278	58.77	ug/l	0.00
Spiked Amount			Recovery	=	117.54%	
50) Toluene-d8	10.33	98	333572	43.66	ug/l	0.00
Spiked Amount			Recovery	=	87.32%	
62) 4-Bromofluorobenzene	12.62	95	96527	34.14	ug/l	0.00
Spiked Amount			Recovery	=	68.28%	

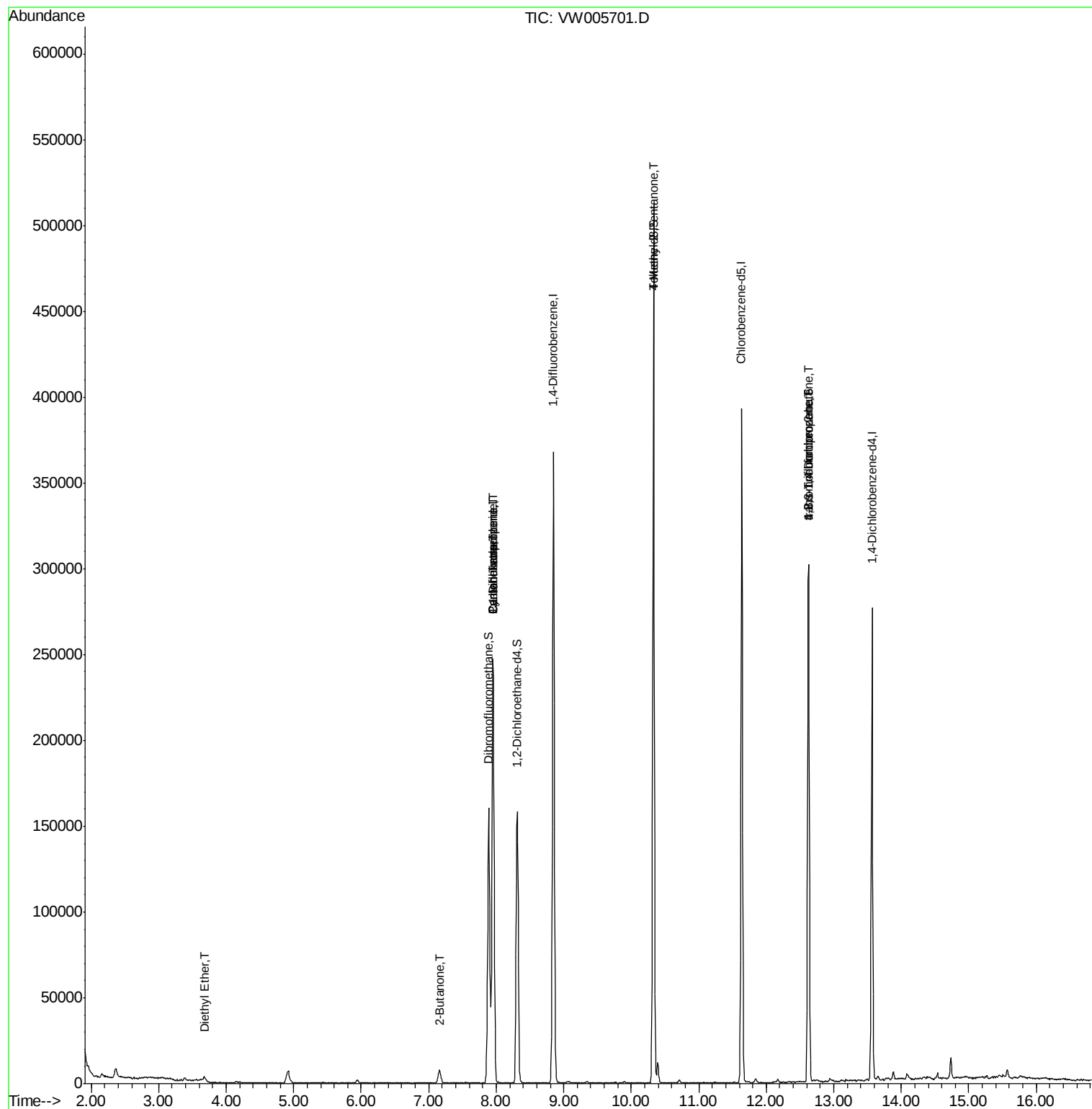
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	1385	1.528	ug/l	56
11) Tert butyl alcohol	5.24	59	23	Below Cal	#	72
16) Acetone	4.15	43	1324	Below Cal	#	80
20) Methylene Chloride	4.92	84	5616	Below Cal		86
25) 2-Butanone	7.15	43	564	1.067	ug/l #	50
31) Cyclohexane	7.95	56	4356	1.291	ug/l #	21
36) 1,1-Dichloropropene	7.95	75	14374	4.786	ug/l #	51
38) Carbon Tetrachloride	7.95	117	17930	5.571	ug/l #	16
51) 4-Methyl-2-Pentanone	10.33	43	1753	1.401	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	50724	82.145	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	50724	185.015	ug/l #	7

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

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW005701.D

Acq: 27 Sep 2018 15:43

Instrument :

MSVOA_W

ClientSampleId :

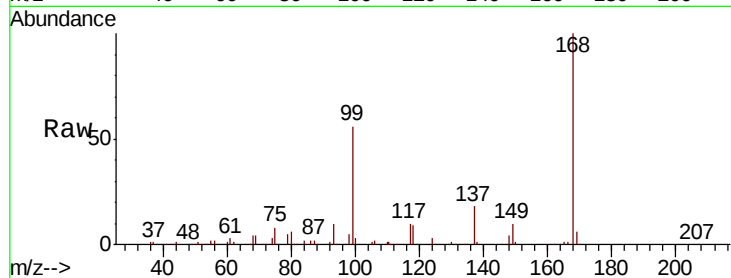
MT-T-5-2RE

Tgt Ion:168 Resp: 184674

Ion Ratio Lower Upper

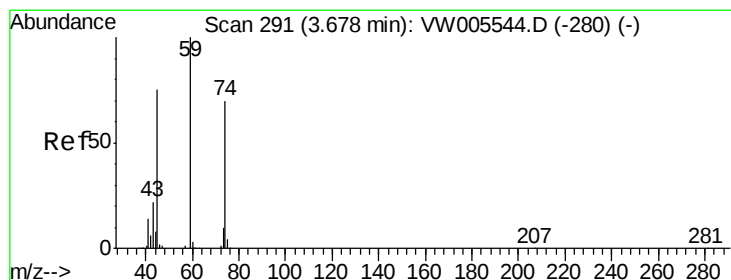
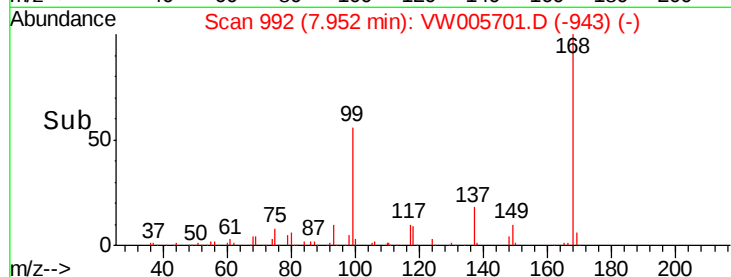
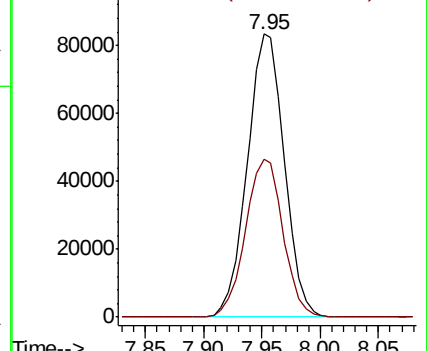
168 100

99 55.7 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#8

Diethyl Ether

Concen: 1.528 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.00 min

Lab File: VW005701.D

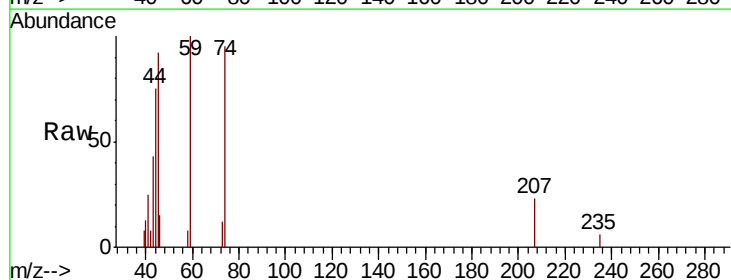
Acq: 27 Sep 2018 15:43

Tgt Ion: 74 Resp: 1385

Ion Ratio Lower Upper

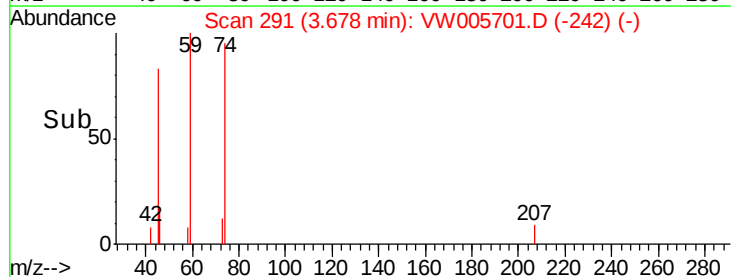
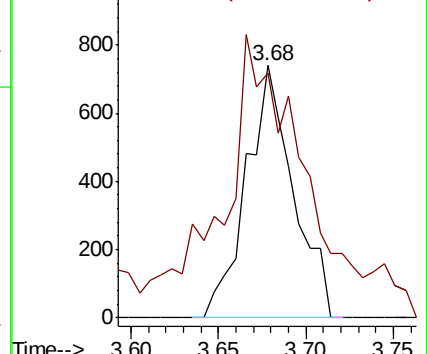
74 100

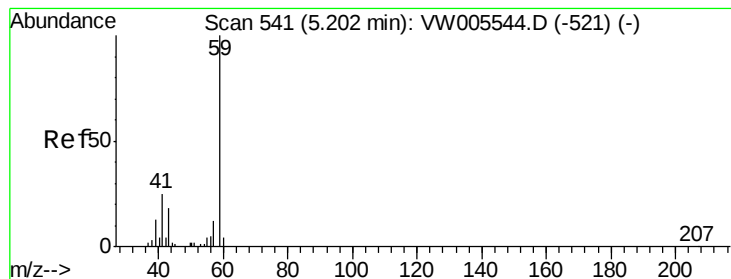
45 148.4 51.7 155.2



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW



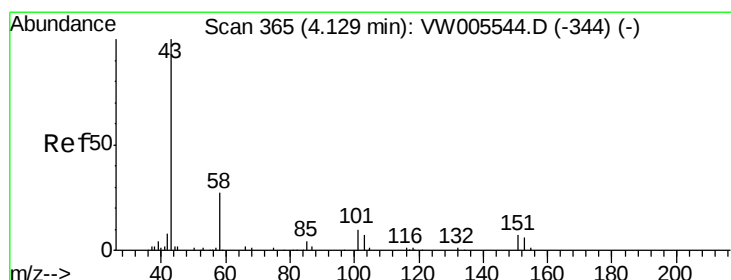
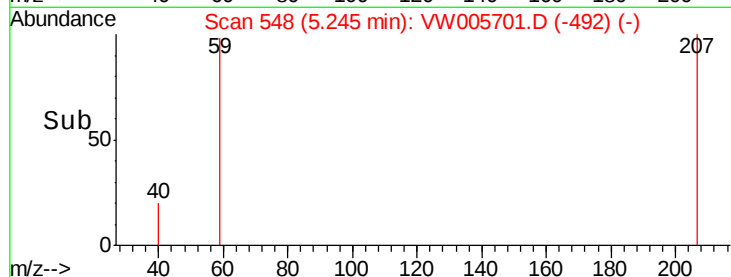
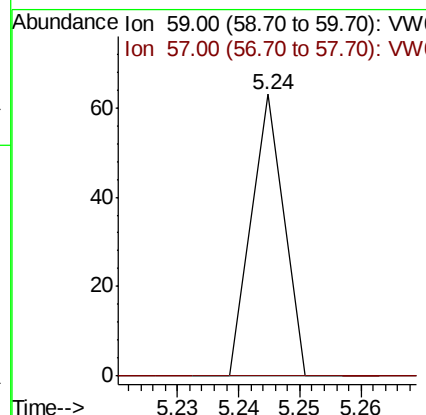
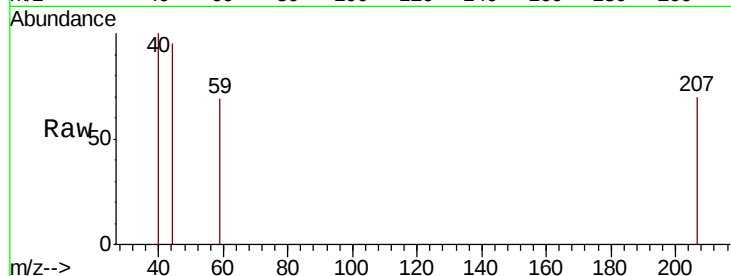


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.24 min Scan# 548
 Delta R.T. 0.04 min
 Lab File: VW005701.D
 Acq: 27 Sep 2018 15:43

Instrument :
 MSVOA_W
 ClientSampled :
 MT-T-5-2RE

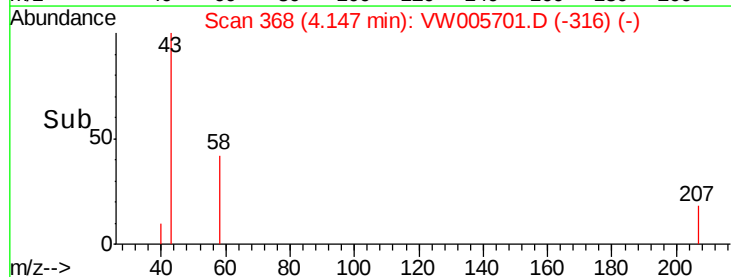
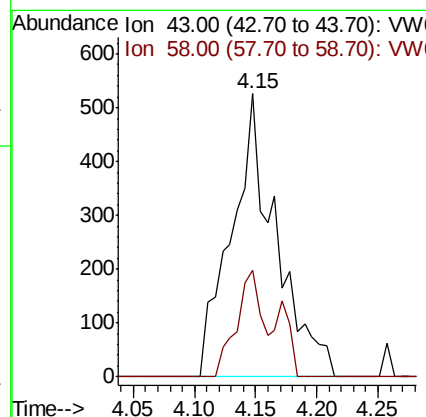
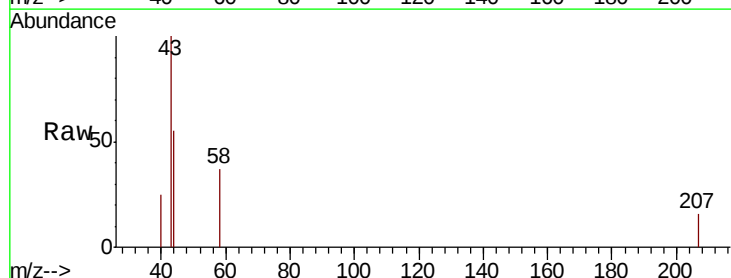
Tgt Ion: 59 Resp: 23
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#

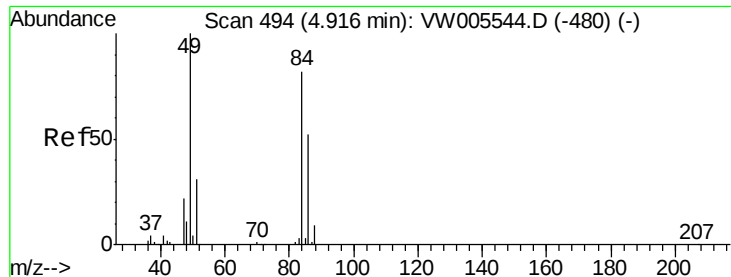


#16

Acetone
 Concen: Below Cal
 RT: 4.15 min Scan# 368
 Delta R.T. 0.02 min
 Lab File: VW005701.D
 Acq: 27 Sep 2018 15:43

Tgt Ion: 43 Resp: 1324
 Ion Ratio Lower Upper
 43 100
 58 37.5 21.8 32.8#

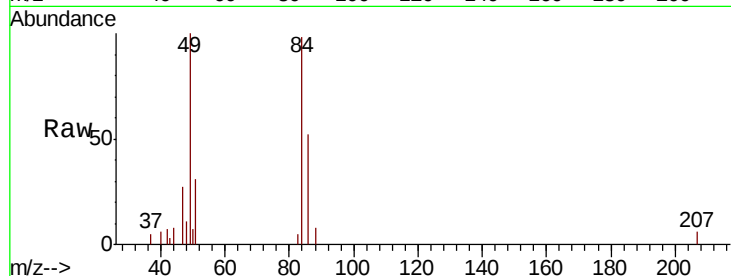




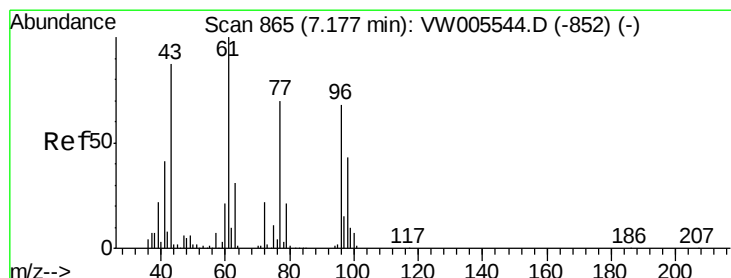
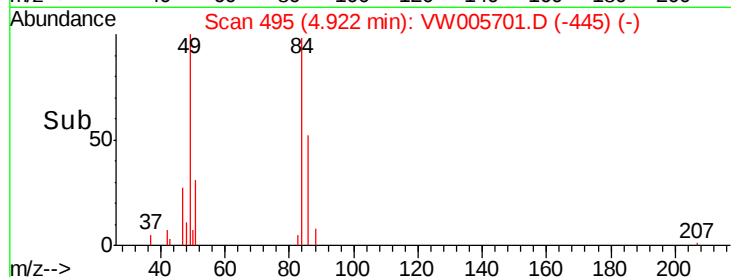
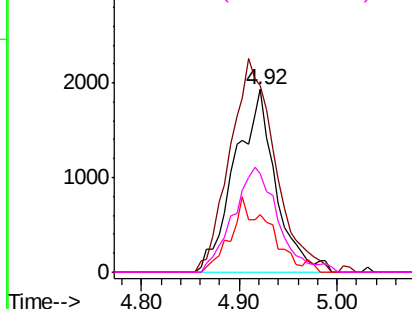
#20
Methylene Chloride
Concen: Below Cal
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW005701.D
Acq: 27 Sep 2018 15:43

Instrument :
MSVOA_W
ClientSampleId :
MT-T-5-2RE

Tgt Ion: 84 Resp: 5616
Ion Ratio Lower Upper
84 100
49 102.5 97.0 145.6
51 31.4 30.2 45.2
86 53.7 50.2 75.4

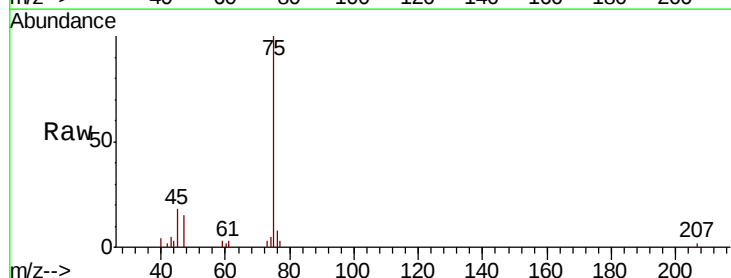


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

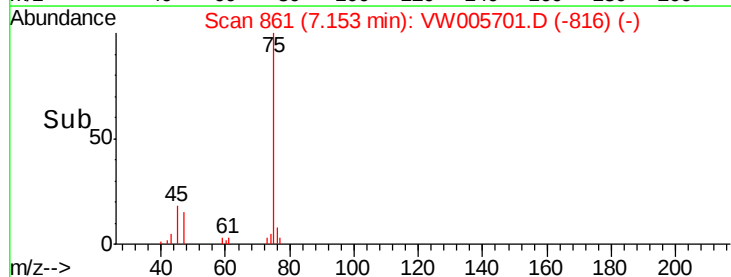
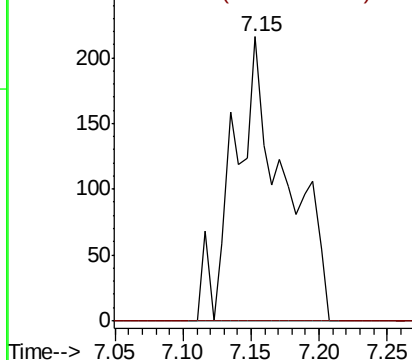


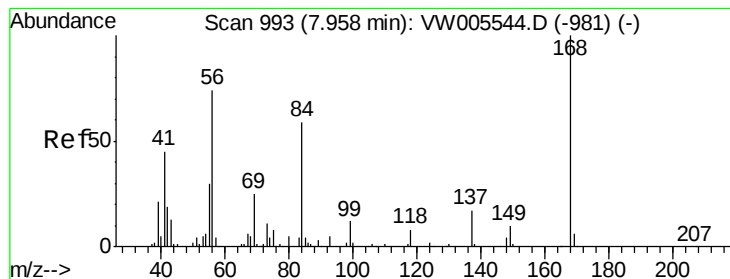
#25
2-Butanone
Concen: 1.067 ug/l
RT: 7.15 min Scan# 861
Delta R.T. -0.02 min
Lab File: VW005701.D
Acq: 27 Sep 2018 15:43

Tgt Ion: 43 Resp: 564
Ion Ratio Lower Upper
43 100
72 0.0 19.9 29.9#



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





#31

Cyclohexane

Concen: 1.291 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW005701.D

Acq: 27 Sep 2018 15:43

Instrument :

MSVOA_W

ClientSampleId :

MT-T-5-2RE

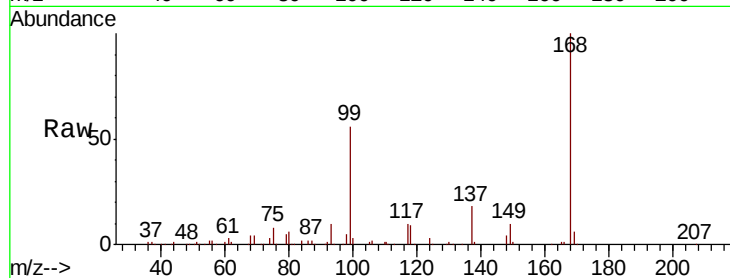
Tgt Ion: 56 Resp: 4356

Ion Ratio Lower Upper

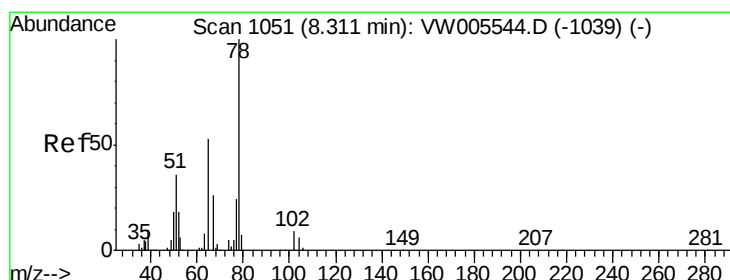
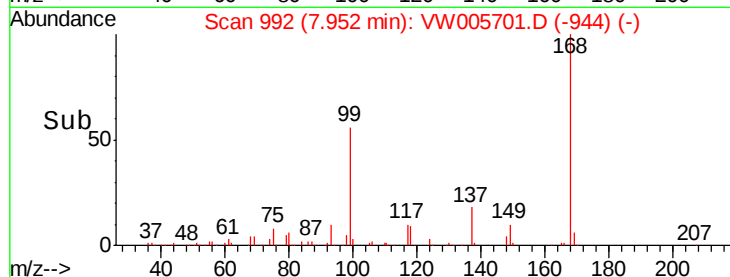
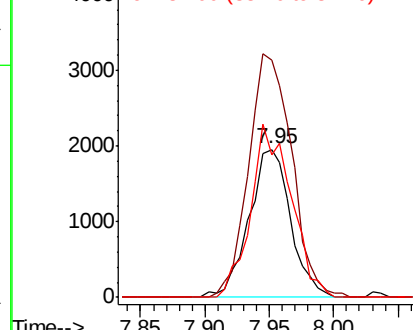
56 100

69 160.7 27.0 40.4#

84 96.7 64.2 96.4#



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: 61.457 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VW005701.D

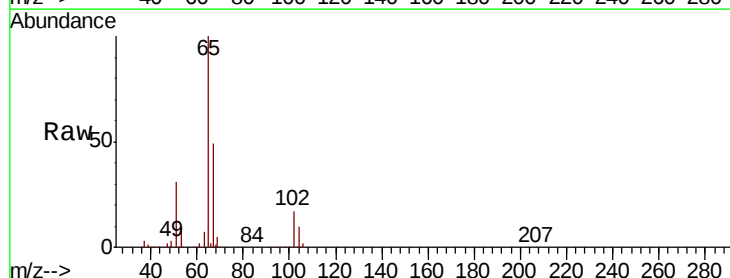
Acq: 27 Sep 2018 15:43

Tgt Ion: 65 Resp: 133705

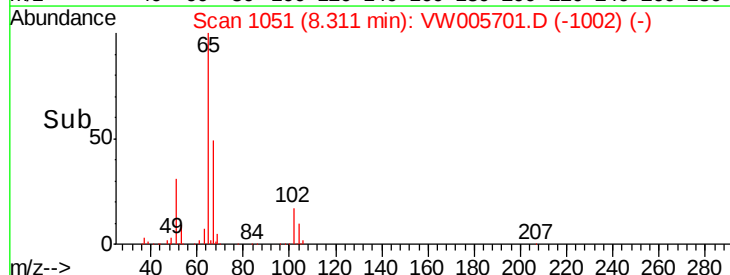
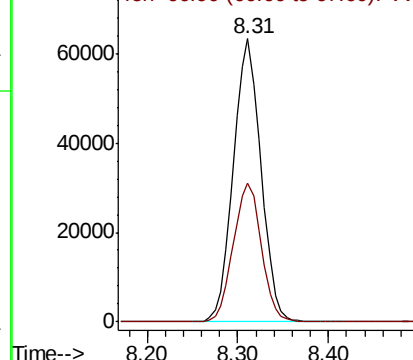
Ion Ratio Lower Upper

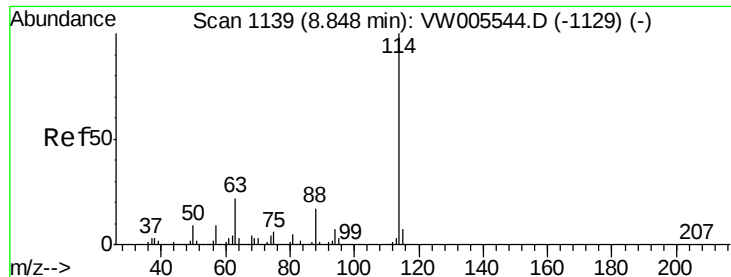
65 100

67 50.0 0.0 100.6



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

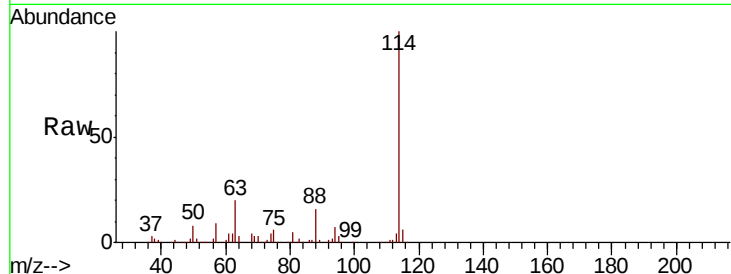




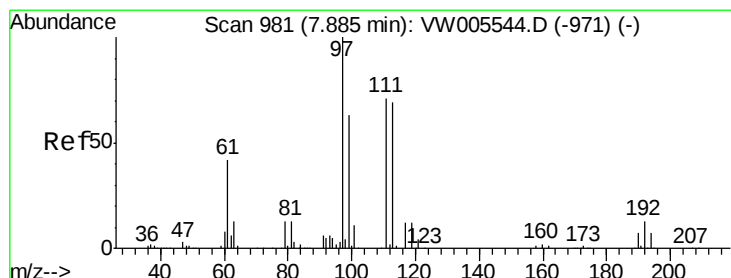
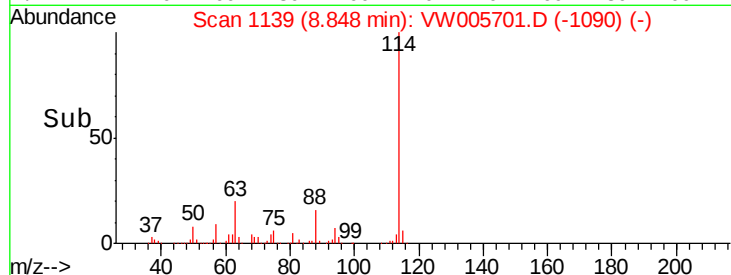
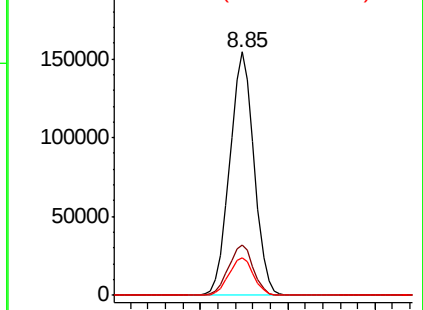
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW005701.D
 Acq: 27 Sep 2018 15:43

Instrument :
 MSVOA_W
 ClientSampleId :
 MT-T-5-2RE

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.5	0.0	43.0
88	15.6	0.0	33.0

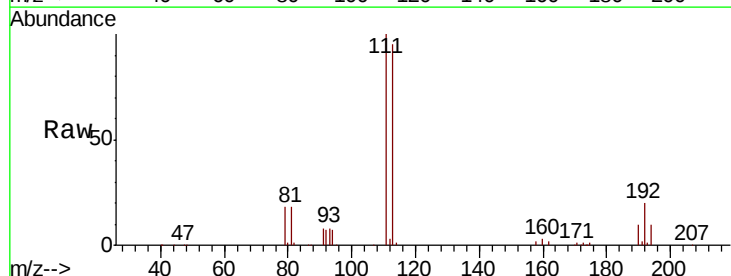


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

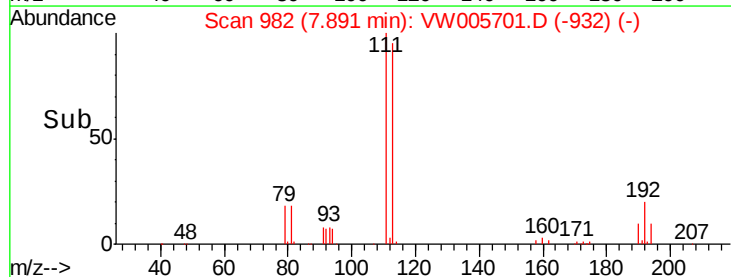
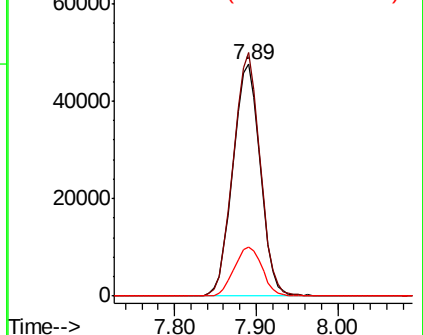


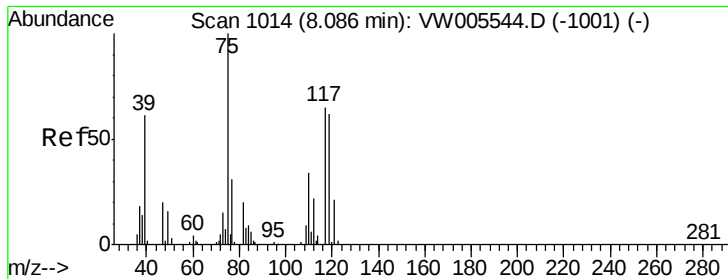
#35
 Dibromofluoromethane
 Concen: 58.773 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. 0.01 min
 Lab File: VW005701.D
 Acq: 27 Sep 2018 15:43

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.9	82.6	123.8
192	21.3	17.0	25.4



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

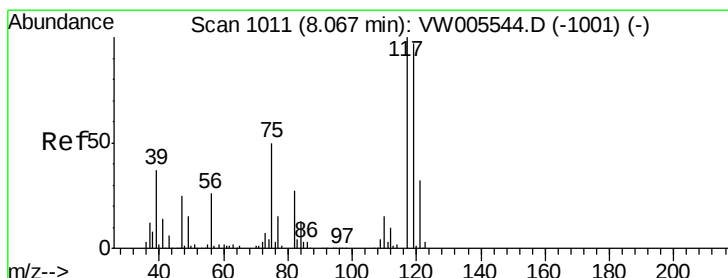
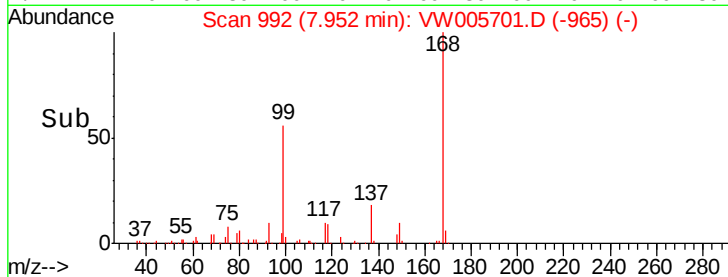
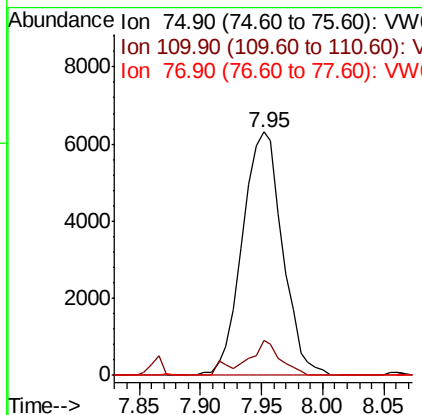
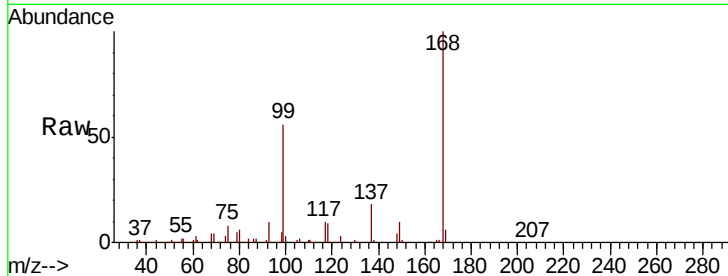




#36
 1,1-Dichloropropene
 Concen: 4.786 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW005701.D
 Acq: 27 Sep 2018 15:43

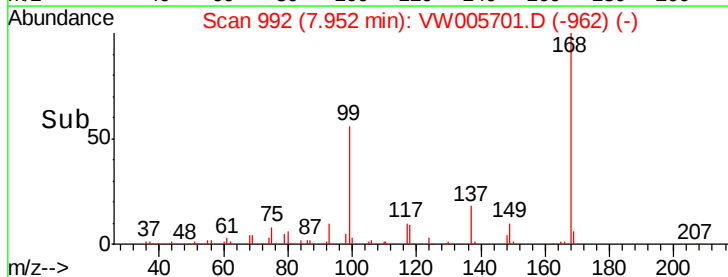
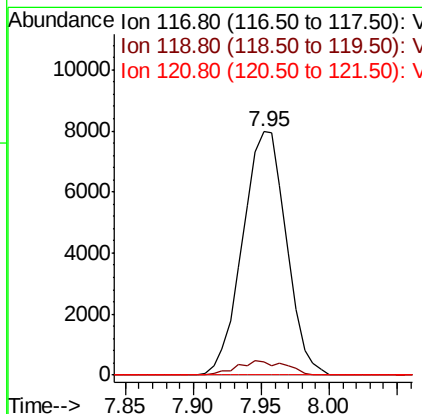
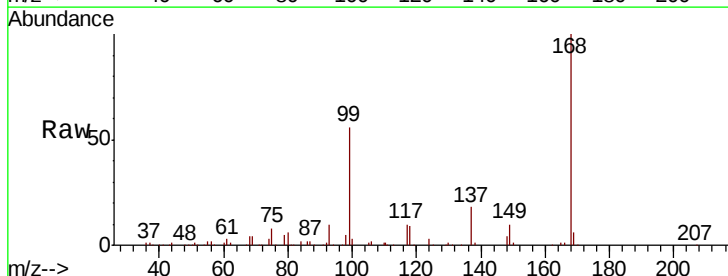
Instrument :
 MSVOA_W
 ClientSampleId :
 MT-T-5-2RE

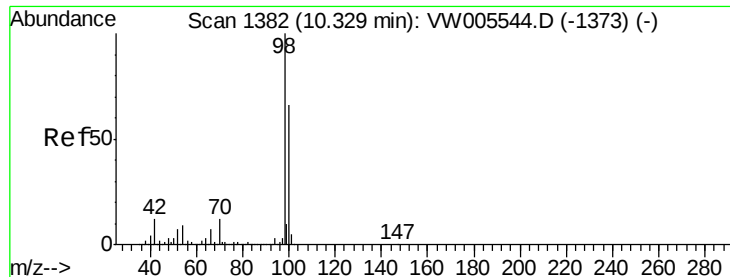
Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.2	17.0	50.9#
77	0.0	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 5.571 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.12 min
 Lab File: VW005701.D
 Acq: 27 Sep 2018 15:43

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.2	77.6	116.4#
121	0.0	25.7	38.5#





#50

Toluene-d8

Concen: 43.661 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW005701.D

Acq: 27 Sep 2018 15:43

Instrument :

MSVOA_W

ClientSampled :

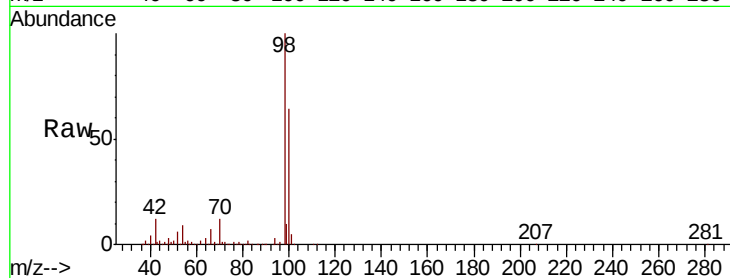
MT-T-5-2RE

Tgt Ion: 98 Resp: 333572

Ion Ratio Lower Upper

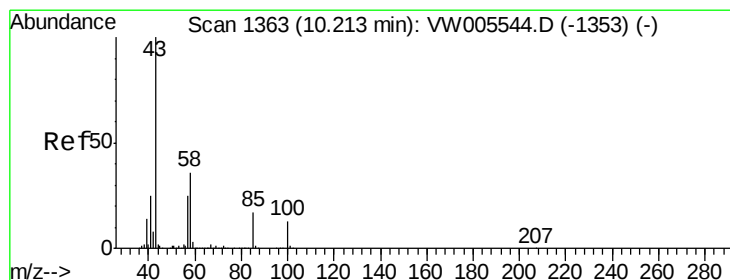
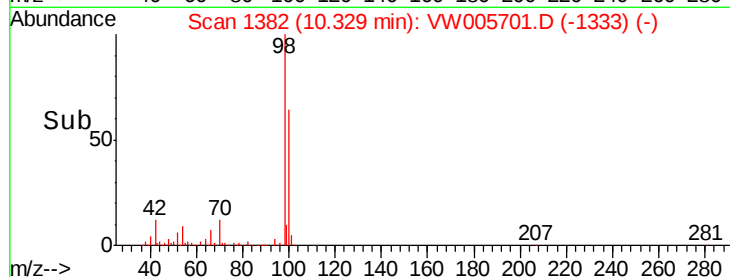
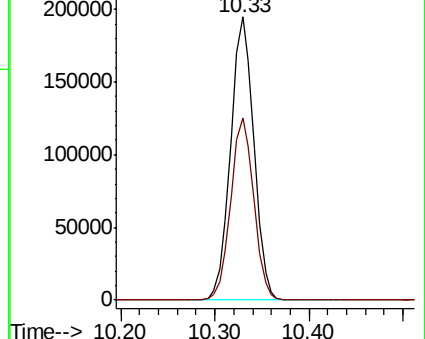
98 100

100 63.7 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#51

4-Methyl-2-Pentanone

Concen: 1.401 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.12 min

Lab File: VW005701.D

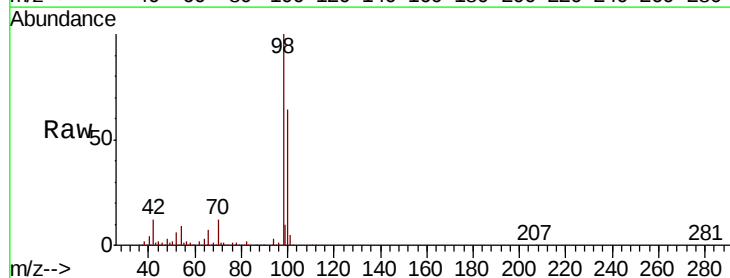
Acq: 27 Sep 2018 15:43

Tgt Ion: 43 Resp: 1753

Ion Ratio Lower Upper

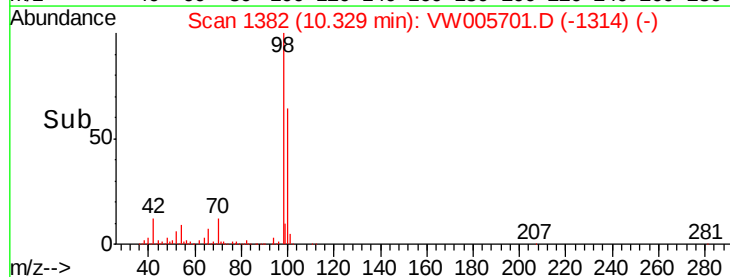
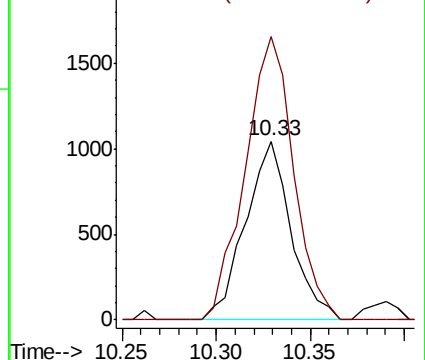
43 100

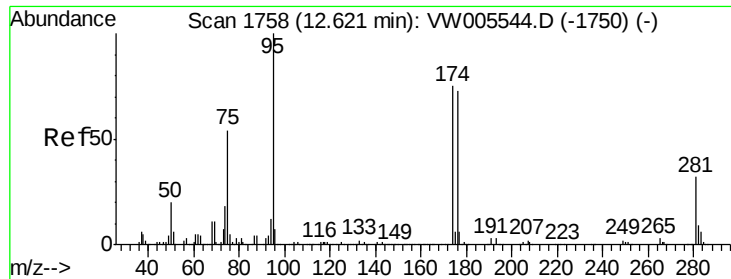
58 168.1 30.0 45.0#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

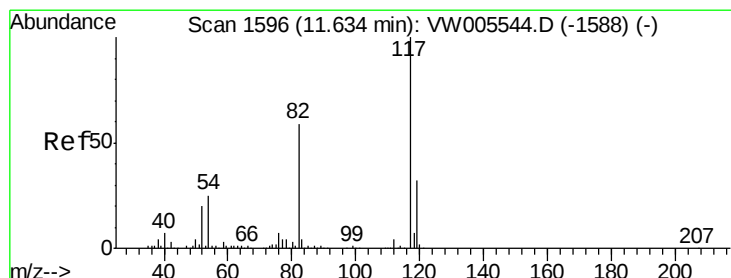
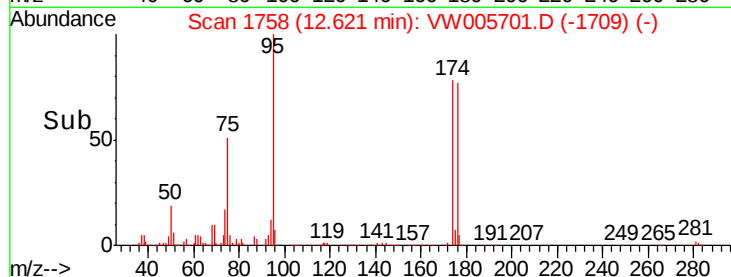
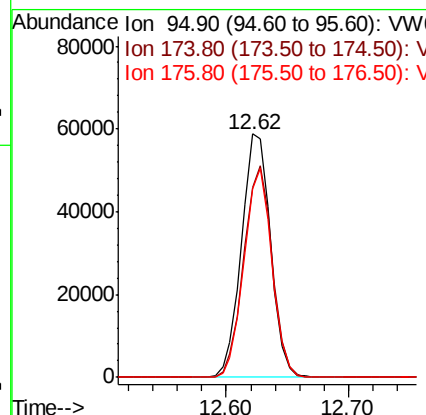
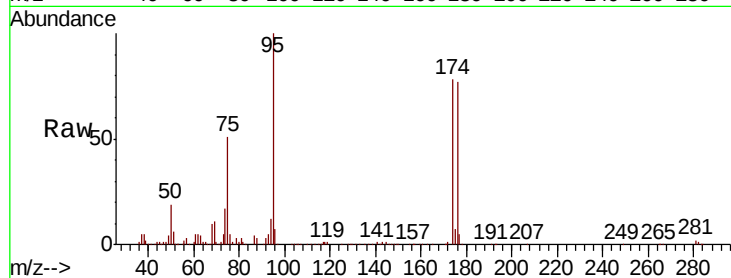




#62
4-Bromofluorobenzene
Concen: 34.145 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW005701.D
Acq: 27 Sep 2018 15:43

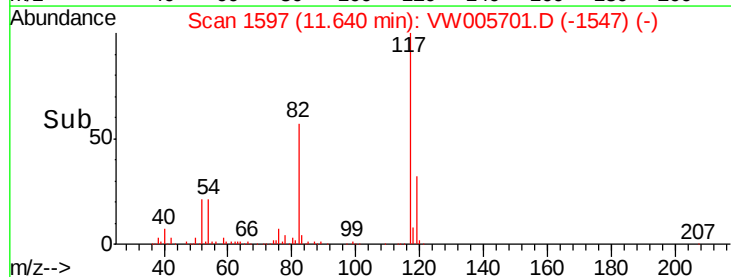
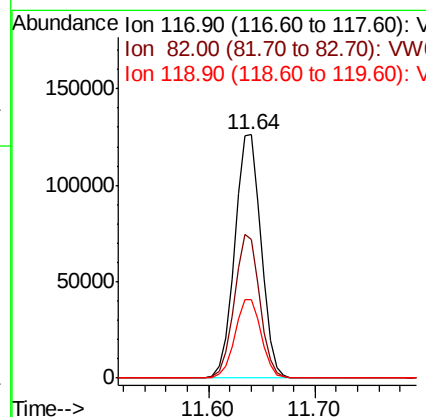
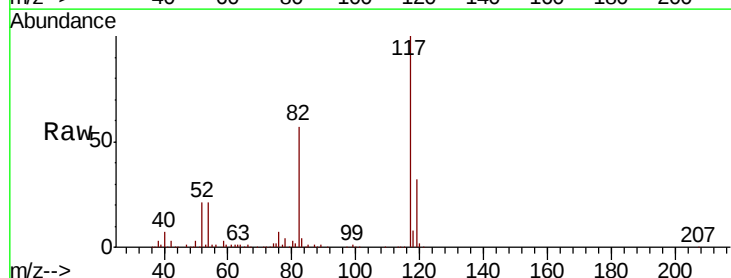
Instrument :
MSVOA_W
ClientSampleId :
MT-T-5-2RE

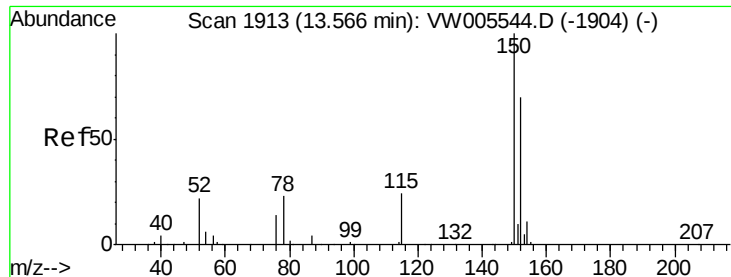
Tgt Ion: 95 Resp: 96527
Ion Ratio Lower Upper
95 100
174 85.3 0.0 163.8
176 82.3 0.0 158.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1597
Delta R.T. 0.01 min
Lab File: VW005701.D
Acq: 27 Sep 2018 15:43

Tgt Ion: 117 Resp: 218665
Ion Ratio Lower Upper
117 100
82 56.9 46.9 70.3
119 32.4 25.7 38.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. -0.00 min

Lab File: VW005701.D

Acq: 27 Sep 2018 15:43

Instrument :

MSVOA_W

ClientSampleId :

MT-T-5-2RE

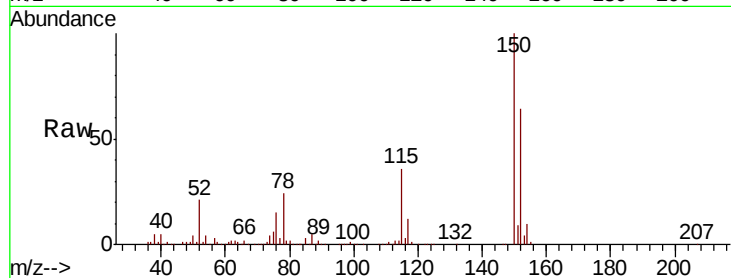
Tgt Ion:152 Resp: 72439

Ion Ratio Lower Upper

152 100

115 59.6 30.0 90.0

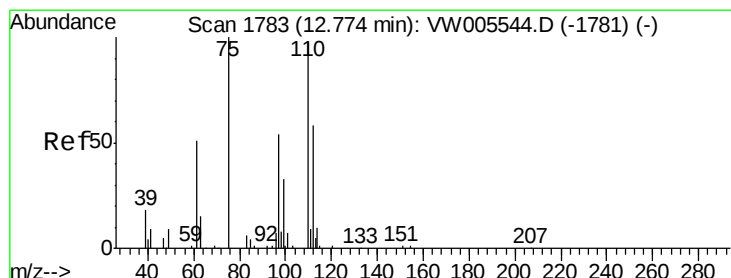
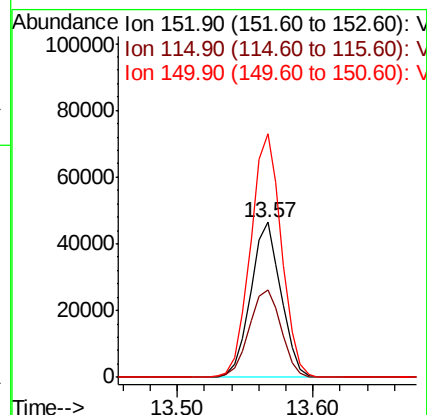
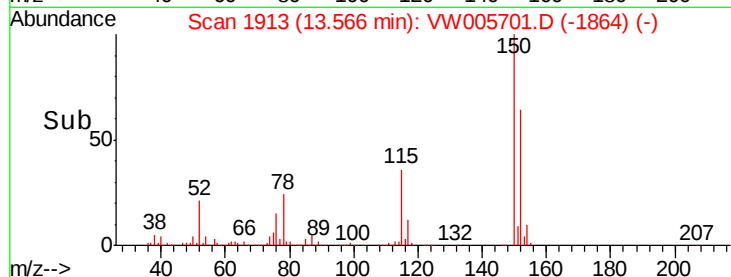
150 160.0 0.0 348.6



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: 82.145 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW005701.D

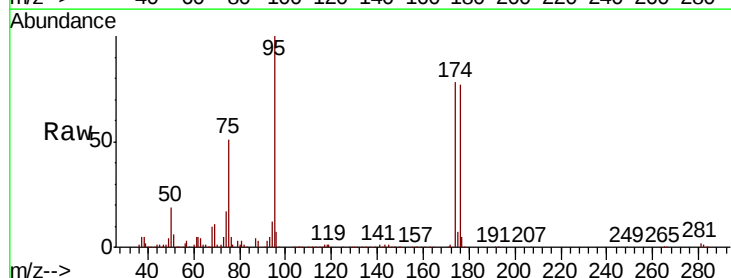
Acq: 27 Sep 2018 15:43

Tgt Ion: 75 Resp: 50724

Ion Ratio Lower Upper

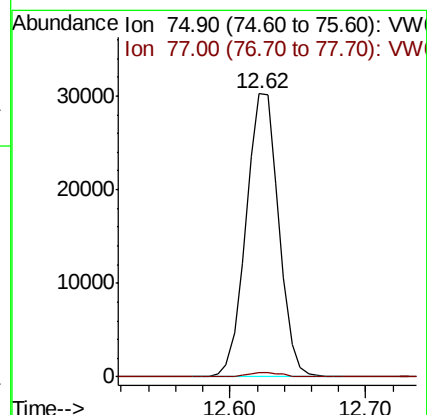
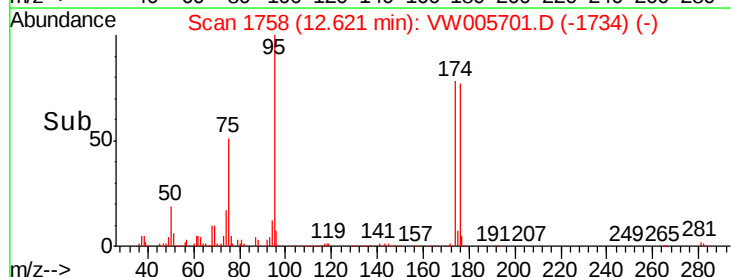
75 100

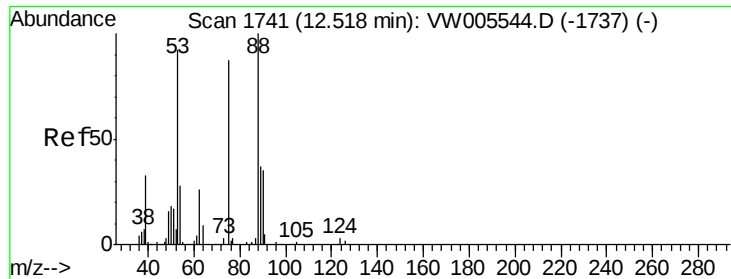
77 1.7 0.0 0.0#



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: 185.015 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW005701.D

Acq: 27 Sep 2018 15:43

Instrument :

MSVOA_W

ClientSampleId :

MT-T-5-2RE

Tgt Ion: 75 Resp: 50724

Ion Ratio Lower Upper

75 100

53 0.4 85.8 128.6#

89 0.0 37.3 55.9#

