

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081318\
 Data File : VW004633.D
 Acq On : 11 Aug 2018 08:26
 Operator : SY/AP
 Sample : J4272-07RE
 Misc : 5.85G/5ML/MSVOA_W/SOIL
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 JC-03-080918-DRE

Quant Time: Aug 13 00:50:36 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W080618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 08:22:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	597792	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	1043014	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	645233	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	272960	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	340032	51.38	ug/l	0.00
Spiked Amount			Recovery	=	102.76%	
35) Dibromofluoromethane	7.88	113	328533	47.24	ug/l	0.00
Spiked Amount			Recovery	=	94.48%	
50) Toluene-d8	10.33	98	613494	23.14	ug/l	0.00
Spiked Amount			Recovery	=	46.28%	
62) 4-Bromofluorobenzene	12.62	95	263226	27.56	ug/l	0.00
Spiked Amount			Recovery	=	55.12%	

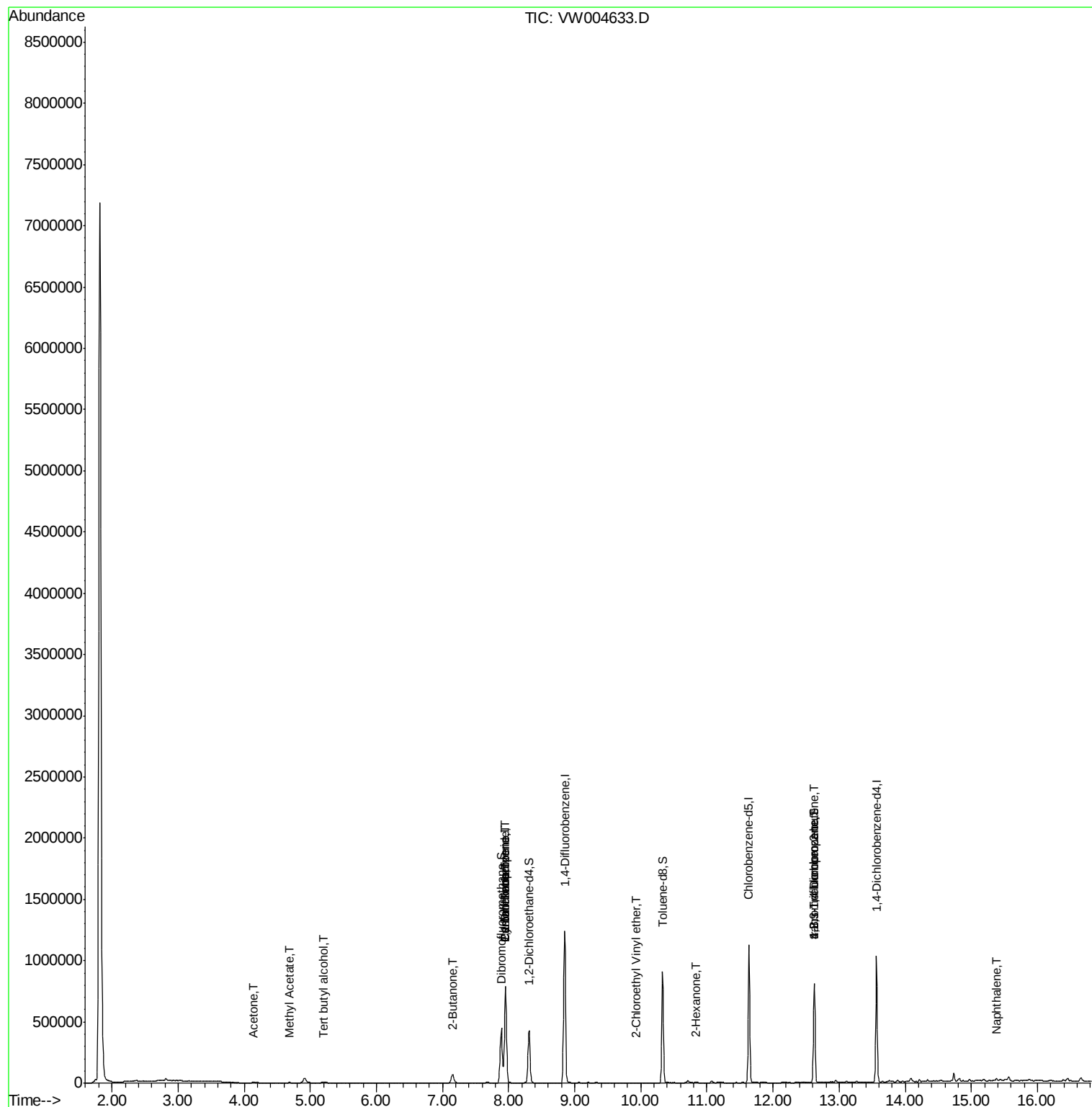
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.20	59	7144	18.438	ug/l #	82
16) Acetone	4.14	43	5635	3.410	ug/l #	88
18) Methyl Acetate	4.68	43	4913	1.192	ug/l	93
20) Methylene Chloride	4.92	84	34196	Below Cal		96
25) 2-Butanone	7.15	43	3907	1.470	ug/l #	69
31) Cyclohexane	7.95	56	12586	1.015	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	46472	4.138	ug/l #	49
38) Carbon Tetrachloride	7.95	117	57225	5.663	ug/l #	18
58) 2-Chloroethyl Vinyl ether	9.93	63	91	8.967	ug/l #	48
59) 2-Hexanone	10.83	43	5695	1.316	ug/l	69
76) 1,2,3-Trichloropropane	12.62	75	127596	45.174	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	127596	108.141	ug/l #	13
95) Naphthalene	15.38	128	15620	4.120	ug/l #	91

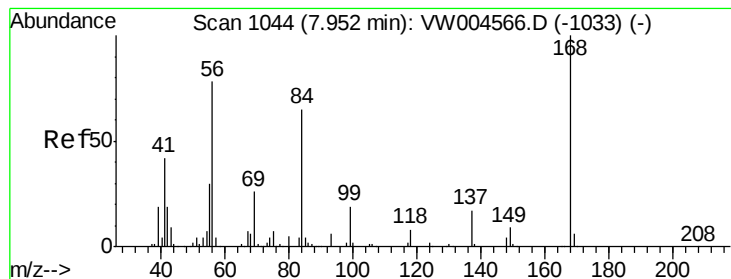
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW004633.D

Acq: 11 Aug 2018 08:26

Instrument :

MSVOA_W

ClientSampleId :

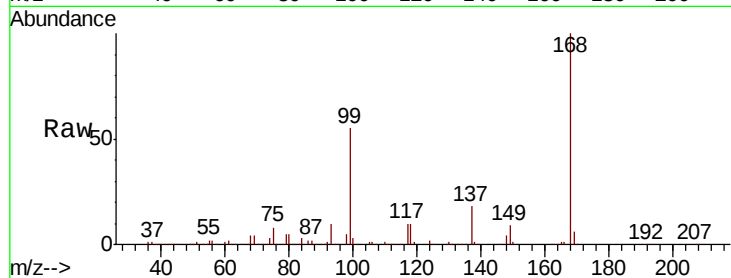
JC-03-080918-DRE

Tgt Ion:168 Resp: 597792

Ion Ratio Lower Upper

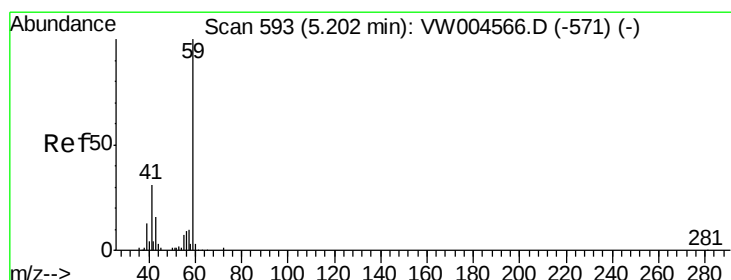
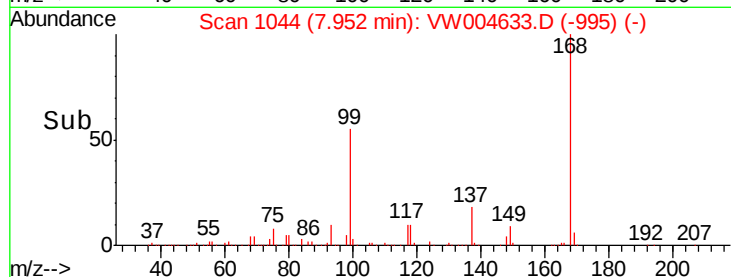
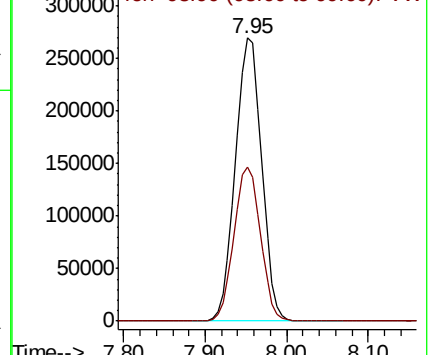
168 100

99 54.6 44.1 66.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 18.438 ug/l

RT: 5.20 min Scan# 592

Delta R.T. -0.02 min

Lab File: VW004633.D

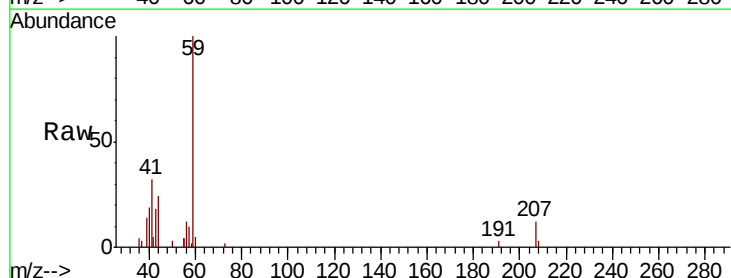
Acq: 11 Aug 2018 08:26

Tgt Ion: 59 Resp: 7144

Ion Ratio Lower Upper

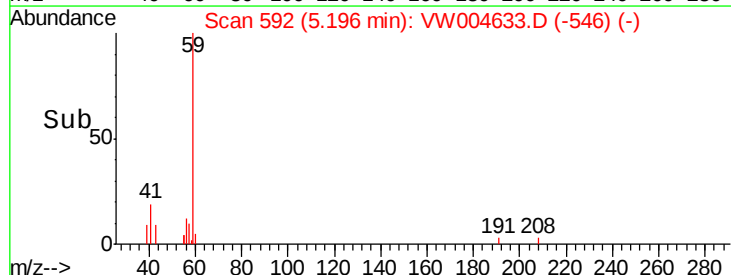
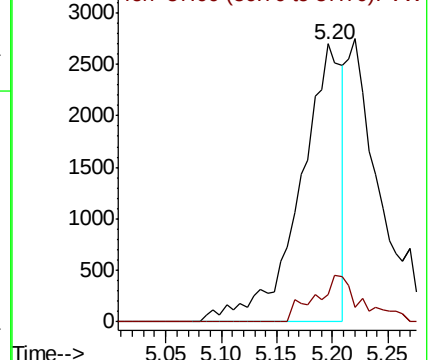
59 100

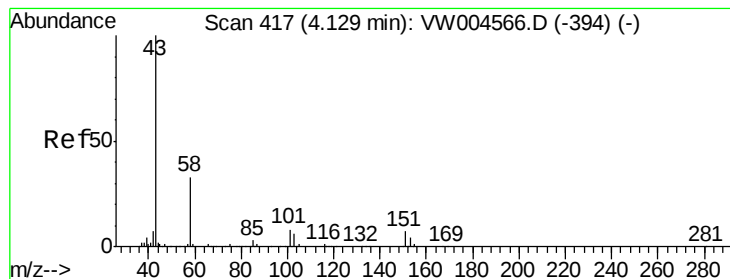
57 18.3 9.1 13.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 3.410 ug/l

RT: 4.14 min Scan# 418

Delta R.T. 0.00 min

Lab File: VW004633.D

Acq: 11 Aug 2018 08:26

Instrument :

MSVOA_W

ClientSampleId :

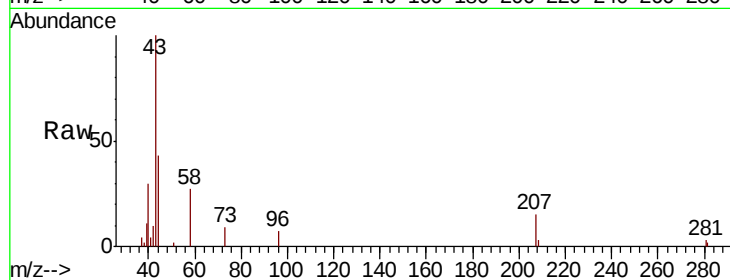
JC-03-080918-DRE

Tgt Ion: 43 Resp: 5635

Ion Ratio Lower Upper

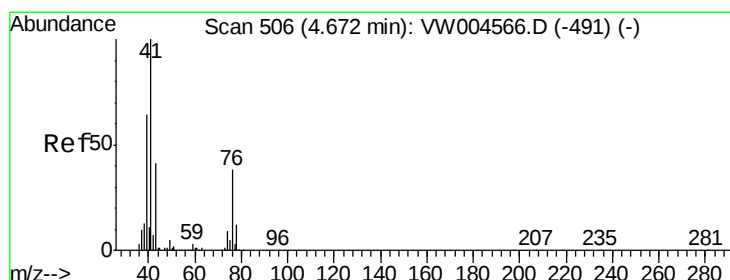
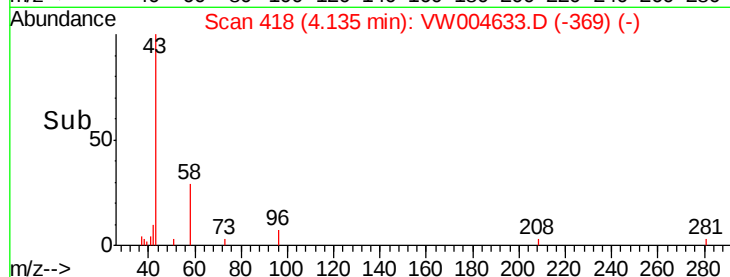
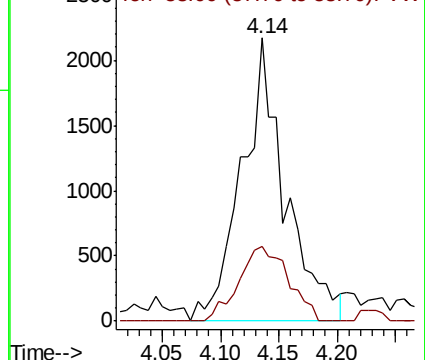
43 100

58 26.6 26.8 40.2#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#18

Methyl Acetate

Concen: 1.192 ug/l

RT: 4.68 min Scan# 508

Delta R.T. 0.01 min

Lab File: VW004633.D

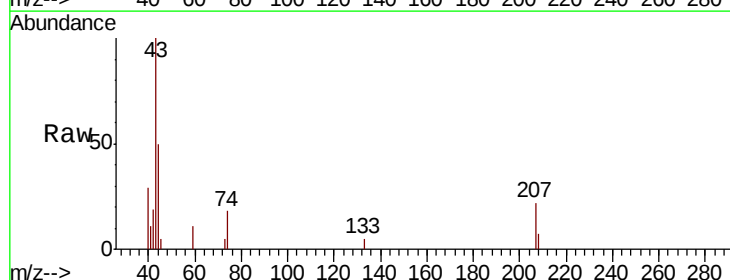
Acq: 11 Aug 2018 08:26

Tgt Ion: 43 Resp: 4913

Ion Ratio Lower Upper

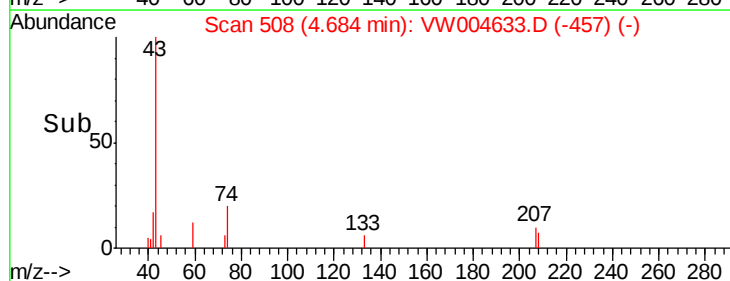
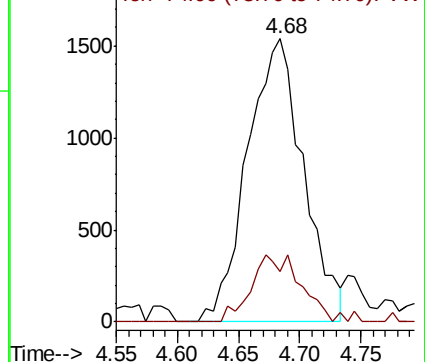
43 100

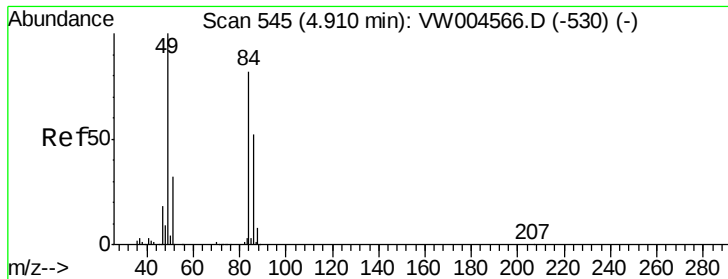
74 20.7 19.1 28.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

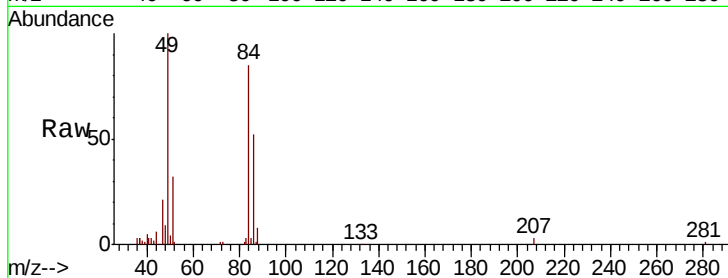




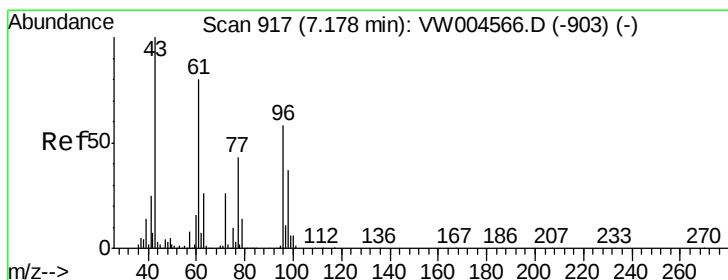
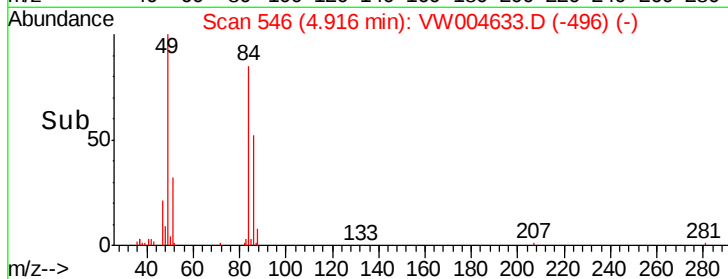
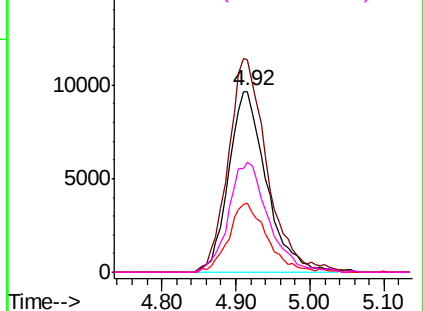
#20
Methylene Chloride
Concen: Below Cal
RT: 4.92 min Scan# 546
Delta R.T. 0.01 min
Lab File: VW004633.D
Acq: 11 Aug 2018 08:26

Instrument :
MSVOA_W
ClientSampleId :
JC-03-080918-DRE

Tgt Ion: 84 Resp: 34196
Ion Ratio Lower Upper
84 100
49 118.0 99.6 149.4
51 38.1 31.0 46.4
86 61.3 51.5 77.3

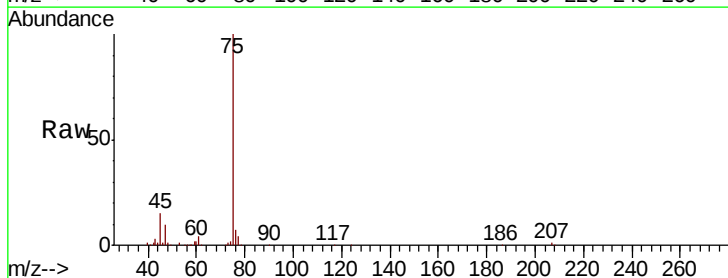


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

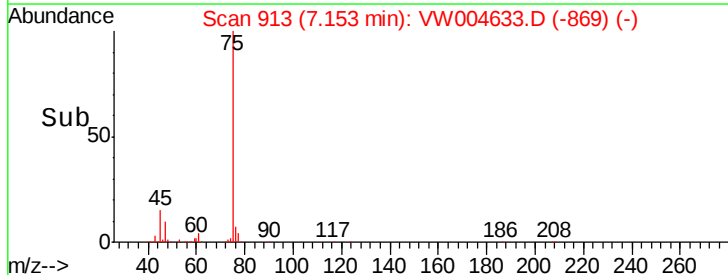
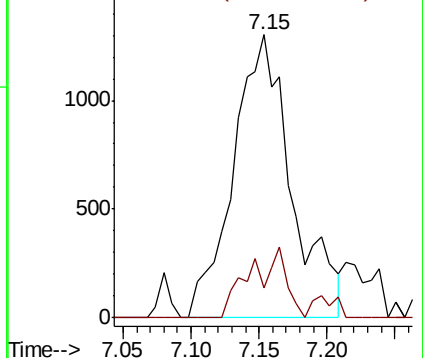


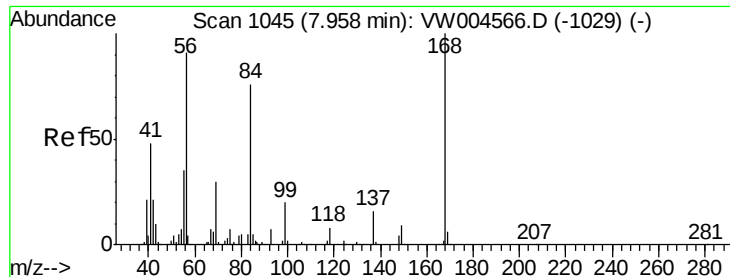
#25
2-Butanone
Concen: 1.470 ug/l
RT: 7.15 min Scan# 913
Delta R.T. -0.03 min
Lab File: VW004633.D
Acq: 11 Aug 2018 08:26

Tgt Ion: 43 Resp: 3907
Ion Ratio Lower Upper
43 100
72 10.5 21.0 31.6#



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

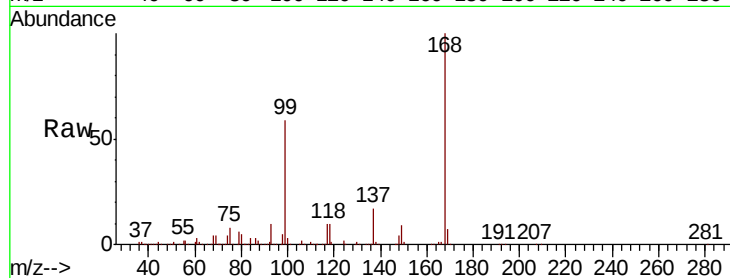




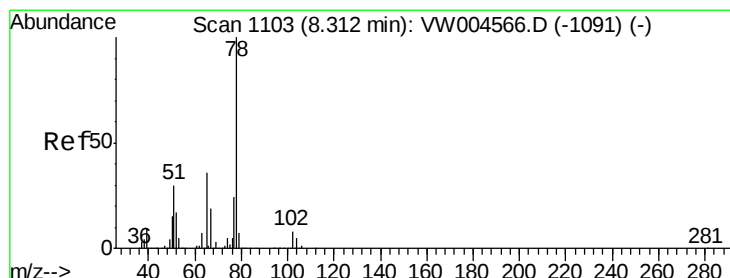
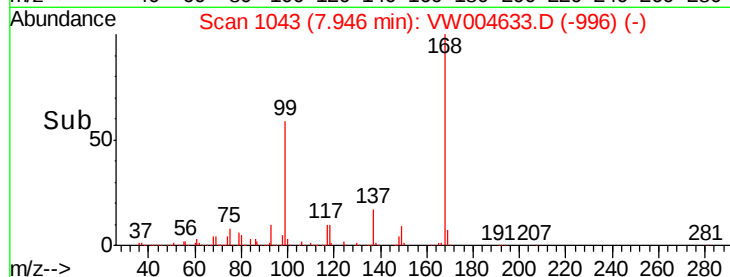
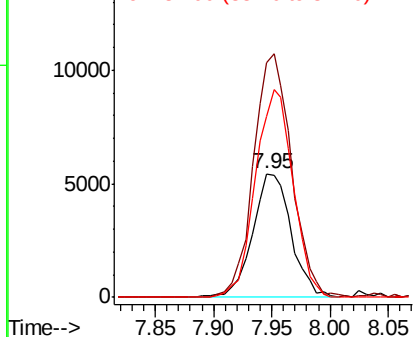
#31
Cyclohexane
Concen: 1.015 ug/l
RT: 7.95 min Scan# 1043
Delta R.T. -0.01 min
Lab File: VW004633.D
Acq: 11 Aug 2018 08:26

Instrument :
MSVOA_W
ClientSampleId :
JC-03-080918-DRE

Tgt Ion: 56 Resp: 12586
Ion Ratio Lower Upper
56 100
69 190.2 26.4 39.6#
84 146.7 66.9 100.3#

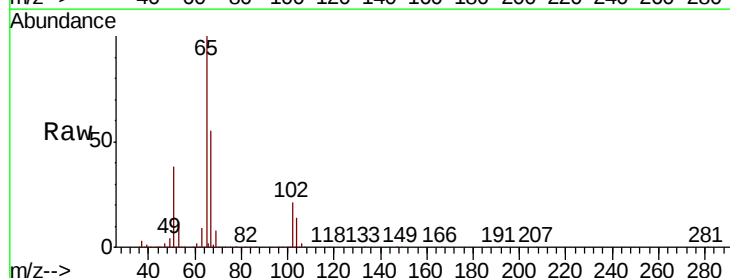


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

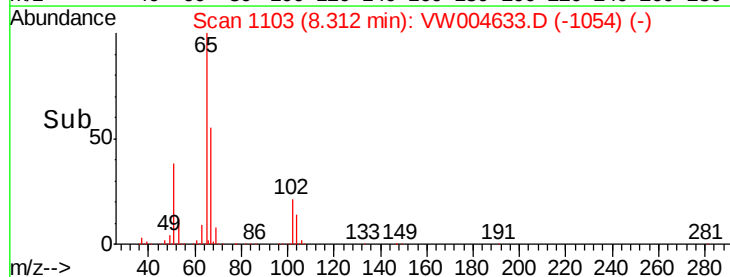
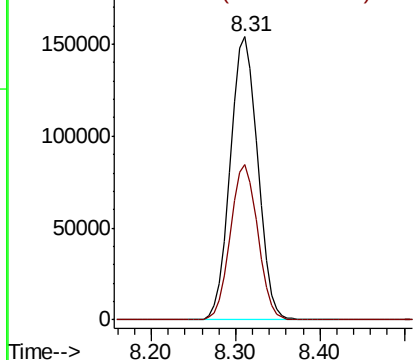


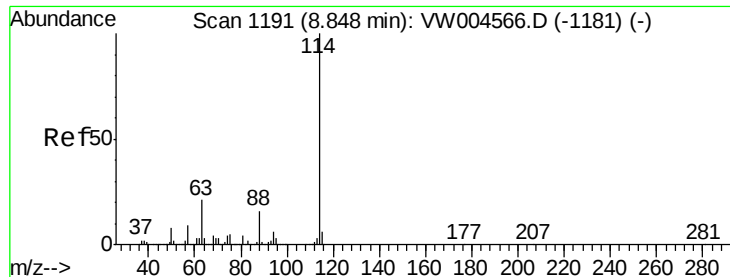
#33
1,2-Dichloroethane-d4
Concen: 51.385 ug/l
RT: 8.31 min Scan# 1103
Delta R.T. 0.00 min
Lab File: VW004633.D
Acq: 11 Aug 2018 08:26

Tgt Ion: 65 Resp: 340032
Ion Ratio Lower Upper
65 100
67 54.7 0.0 109.0



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

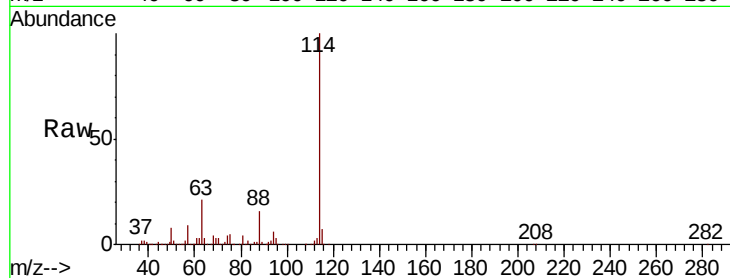




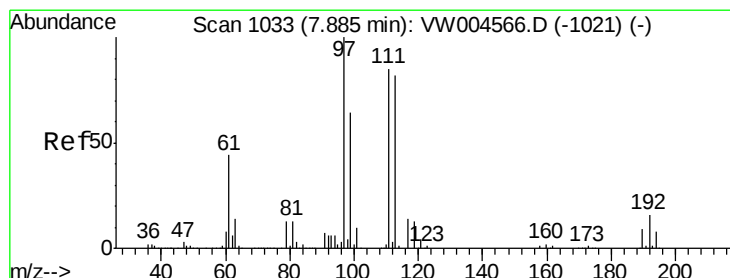
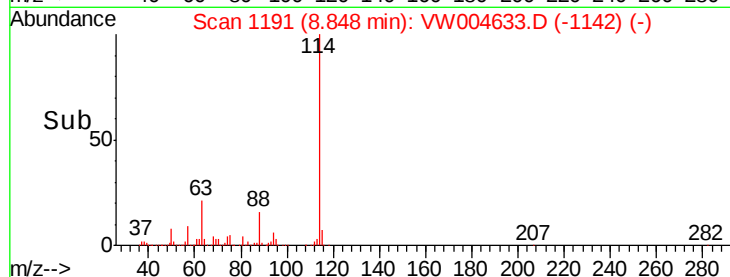
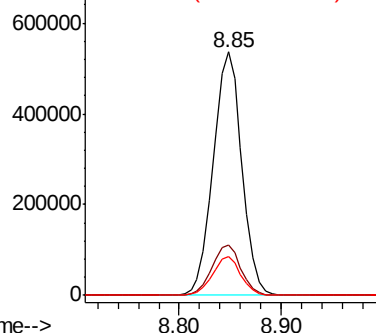
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW004633.D
 Acq: 11 Aug 2018 08:26

Instrument :
 MSVOA_W
 ClientSampleId :
 JC-03-080918-DRE

Tgt Ion:114 Resp: 1043014
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 42.4
 88 15.8 0.0 31.2

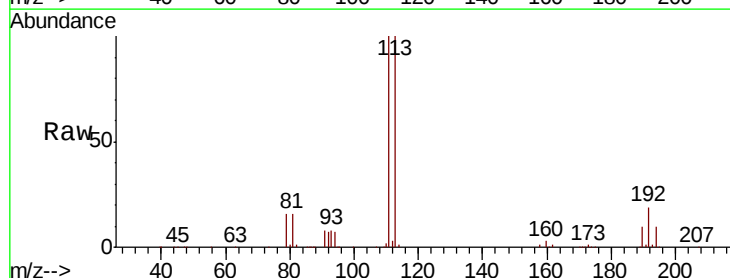


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

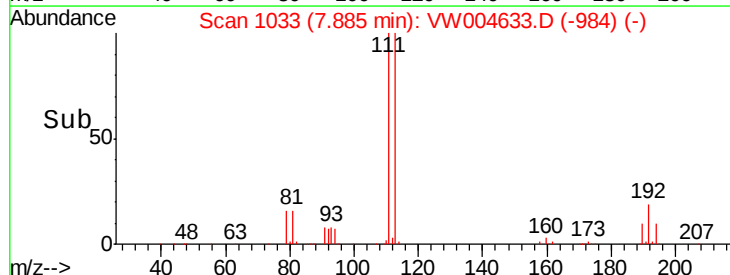
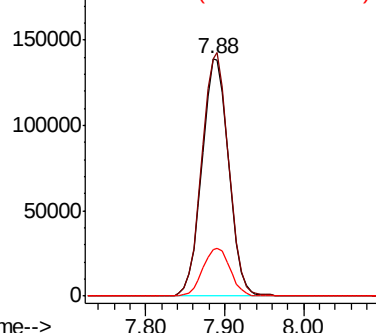


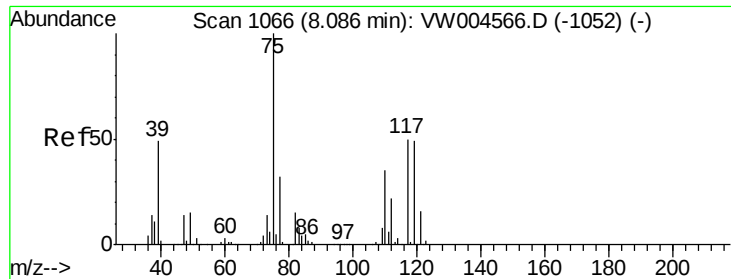
#35
 Dibromofluoromethane
 Concen: 47.240 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VW004633.D
 Acq: 11 Aug 2018 08:26

Tgt Ion:113 Resp: 328533
 Ion Ratio Lower Upper
 113 100
 111 102.6 82.9 124.3
 192 20.4 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

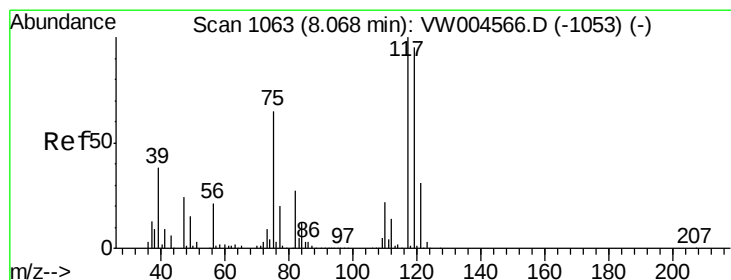
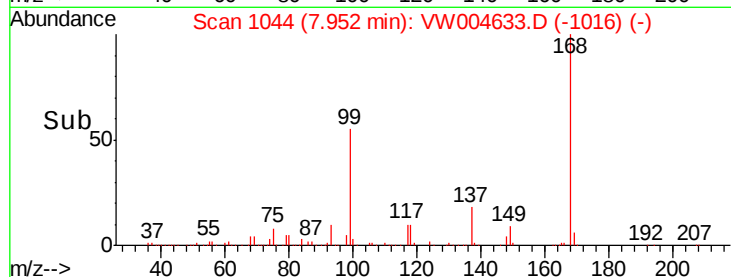
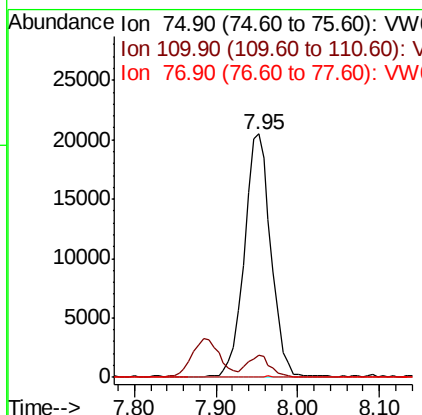
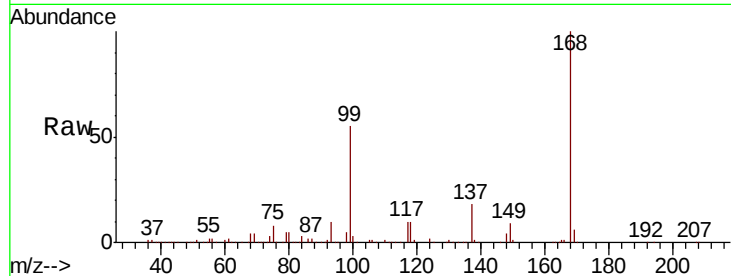




#36
 1,1-Dichloropropene
 Concen: 4.138 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.13 min
 Lab File: VW004633.D
 Acq: 11 Aug 2018 08:26

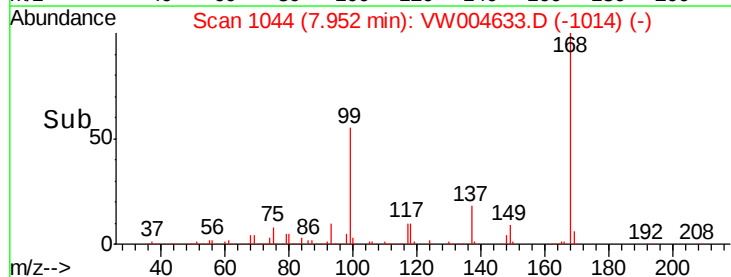
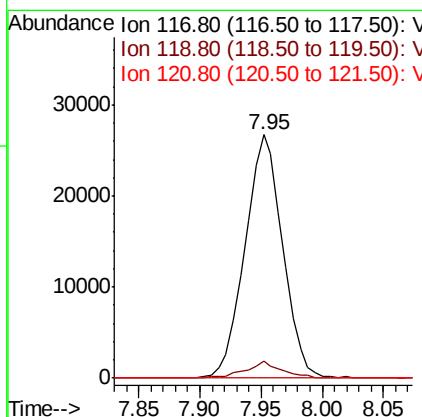
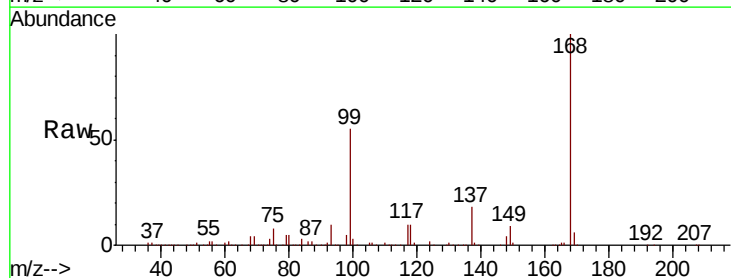
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 JC-03-080918-DRE

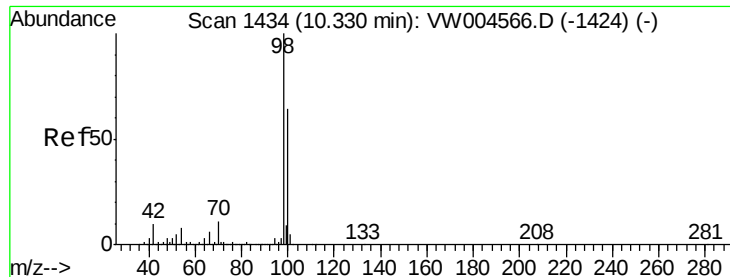
Tgt Ion: 75 Resp: 46472
 Ion Ratio Lower Upper
 75 100
 110 7.8 17.4 52.2#
 77 0.1 24.7 37.1#



#38
 Carbon Tetrachloride
 Concen: 5.663 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.12 min
 Lab File: VW004633.D
 Acq: 11 Aug 2018 08:26

Tgt Ion: 117 Resp: 57225
 Ion Ratio Lower Upper
 117 100
 119 6.8 76.1 114.1#
 121 0.0 24.2 36.4#





#50

Toluene-d8

Concen: 23.139 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW004633.D

Acq: 11 Aug 2018 08:26

Instrument :

MSVOA_W

ClientSampleId :

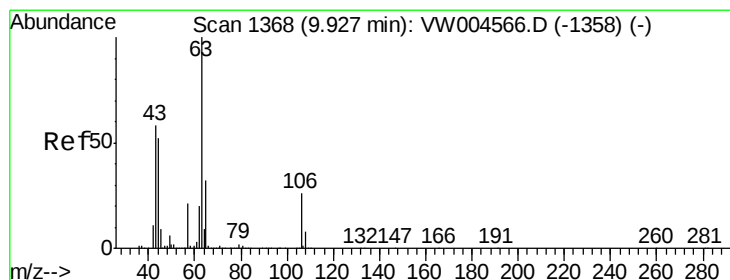
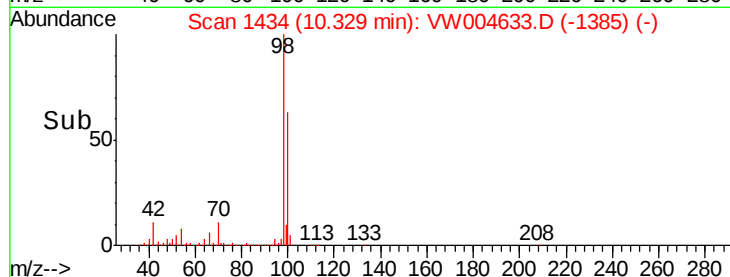
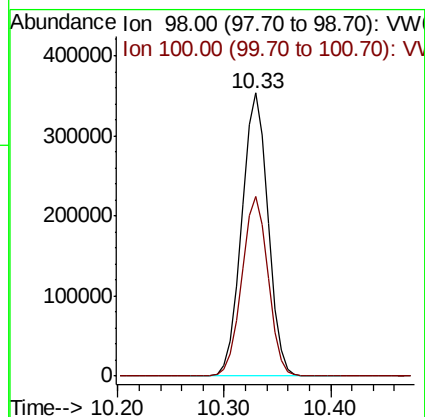
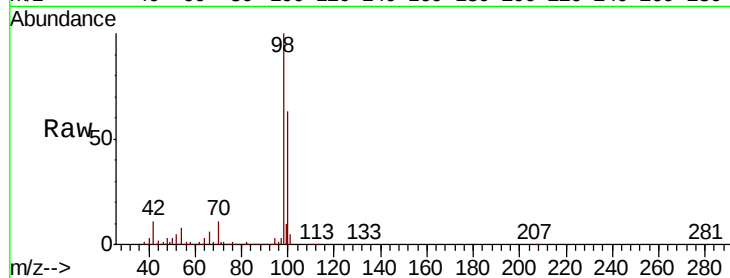
JC-03-080918-DRE

Tgt Ion: 98 Resp: 613494

Ion Ratio Lower Upper

98 100

100 63.2 51.4 77.2



#58

2-Chloroethyl Vinyl ether

Concen: 8.967 ug/l

RT: 9.93 min Scan# 1369

Delta R.T. 0.01 min

Lab File: VW004633.D

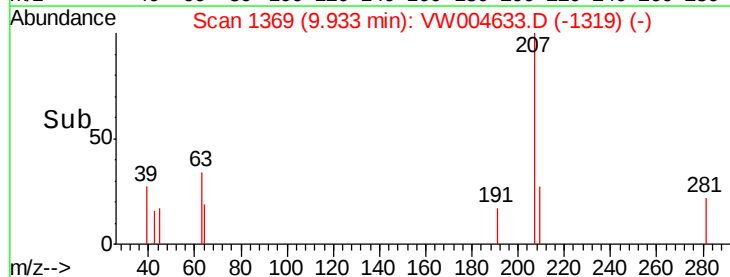
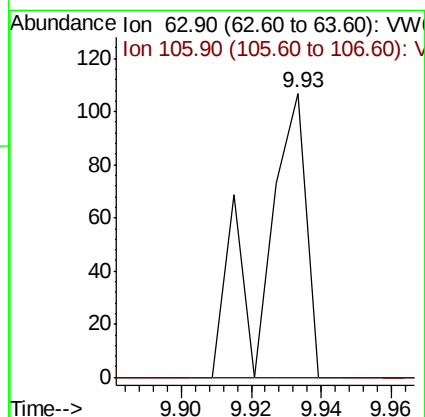
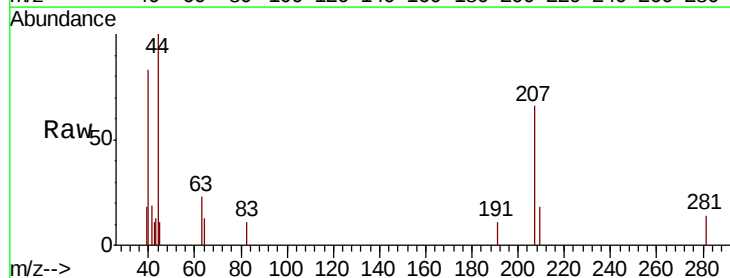
Acq: 11 Aug 2018 08:26

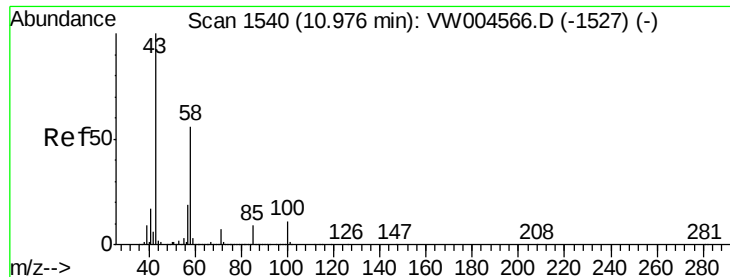
Tgt Ion: 63 Resp: 91

Ion Ratio Lower Upper

63 100

106 0.0 21.3 31.9#

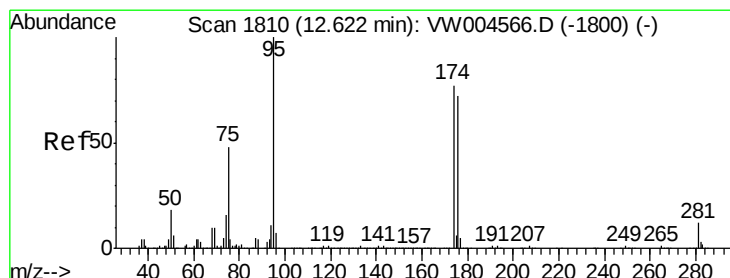
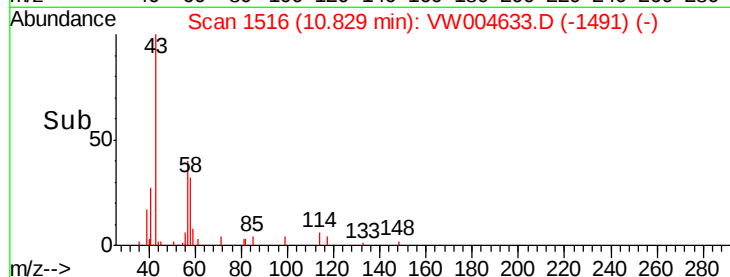
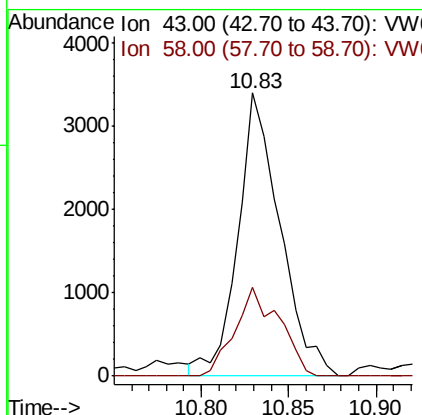
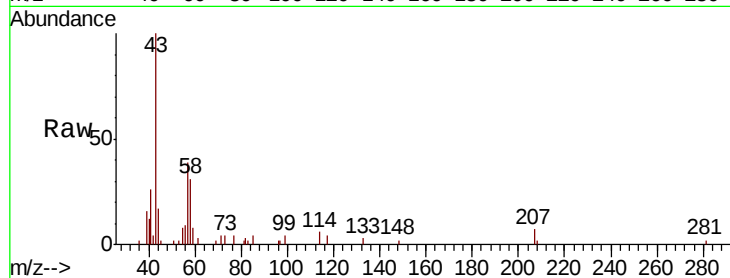




#59
2-Hexanone
Concen: 1.316 ug/l
RT: 10.83 min Scan# 1516
Delta R.T. -0.15 min
Lab File: VW004633.D
Acq: 11 Aug 2018 08:26

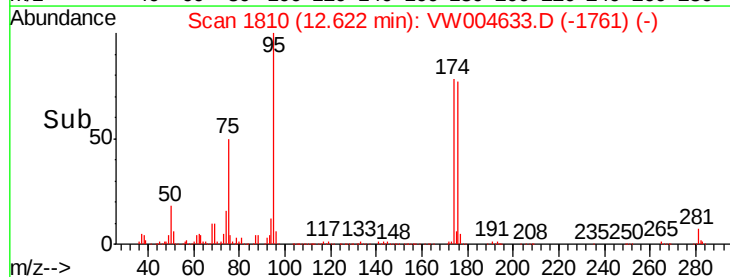
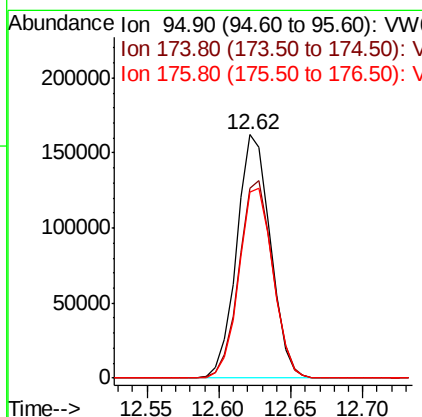
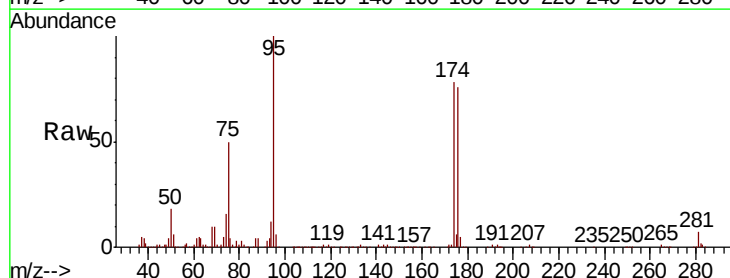
Instrument :
MSVOA_W
ClientSampleId :
JC-03-080918-DRE

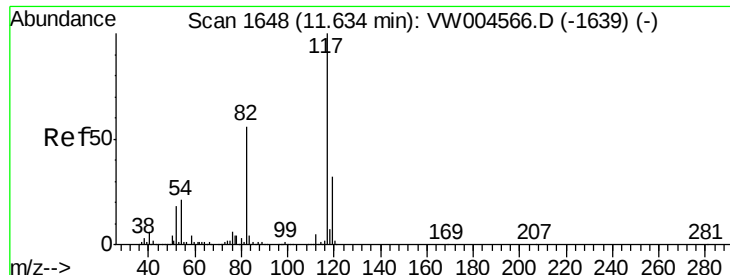
Tgt Ion: 43 Resp: 5695
Ion Ratio Lower Upper
43 100
58 32.9 27.9 83.6



#62
4-Bromofluorobenzene
Concen: 27.562 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VW004633.D
Acq: 11 Aug 2018 08:26

Tgt Ion: 95 Resp: 263226
Ion Ratio Lower Upper
95 100
174 81.3 0.0 160.4
176 78.9 0.0 153.2

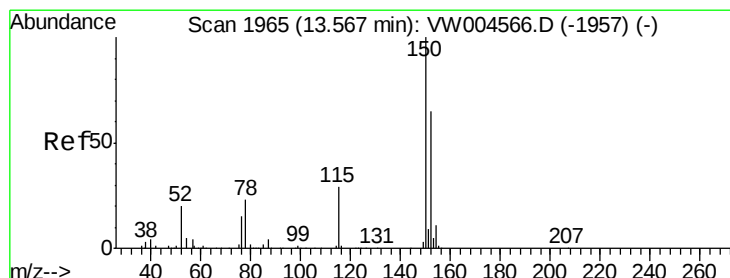
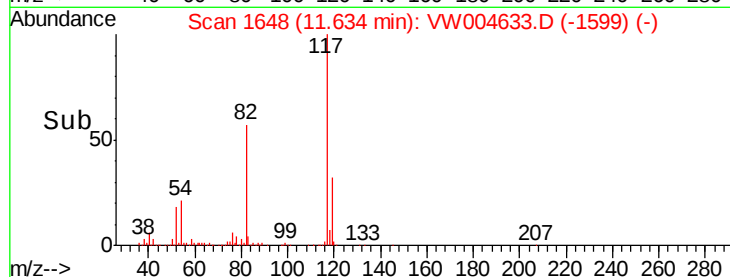
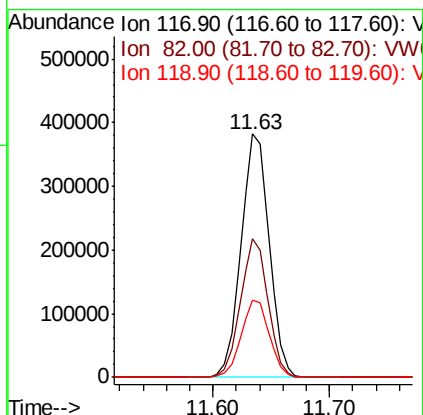
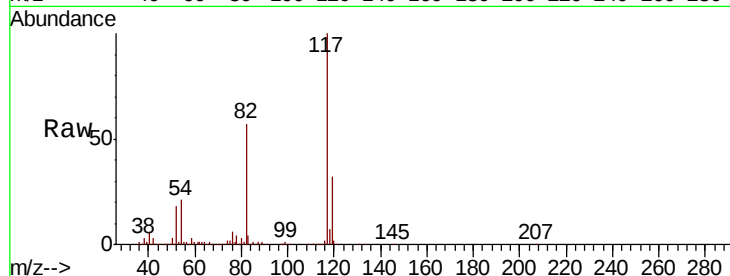




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. 0.00 min
Lab File: VW004633.D
Acq: 11 Aug 2018 08:26

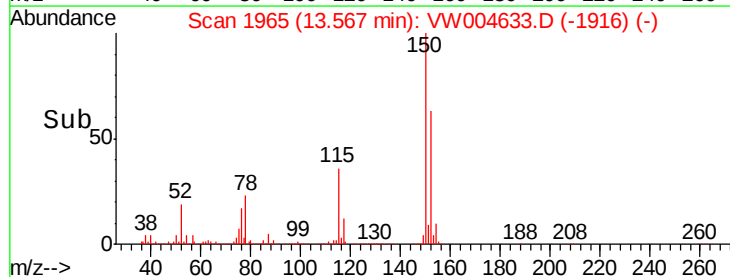
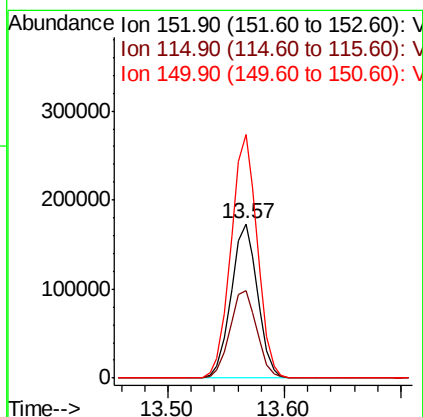
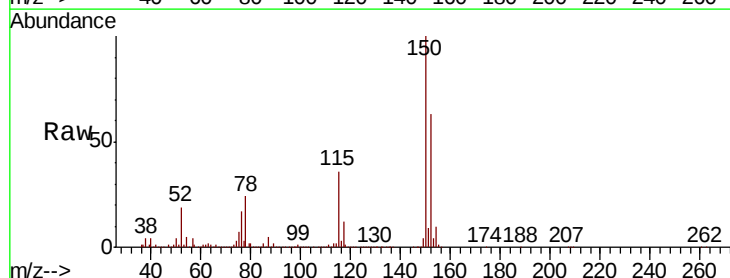
Instrument :
MSVOA_W
ClientSampleId :
JC-03-080918-DRE

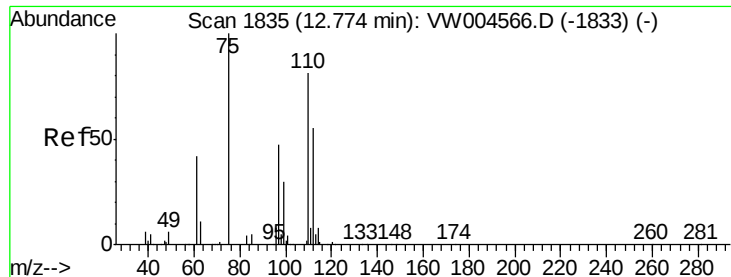
Tgt Ion:117 Resp: 645233
Ion Ratio Lower Upper
117 100
82 56.9 45.3 67.9
119 31.7 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. 0.00 min
Lab File: VW004633.D
Acq: 11 Aug 2018 08:26

Tgt Ion:152 Resp: 272960
Ion Ratio Lower Upper
152 100
115 57.9 29.1 87.3
150 157.3 0.0 349.6





#76

1,2,3-Trichloropropane

Concen: 45.174 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.15 min

Lab File: VW004633.D

Acq: 11 Aug 2018 08:26

Instrument :

MSVOA_W

ClientSampleId :

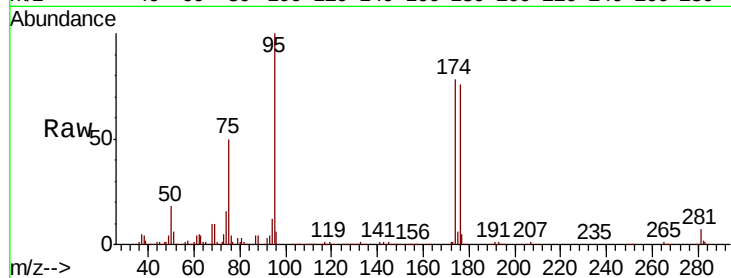
JC-03-080918-DRE

Tgt Ion: 75 Resp: 127596

Ion Ratio Lower Upper

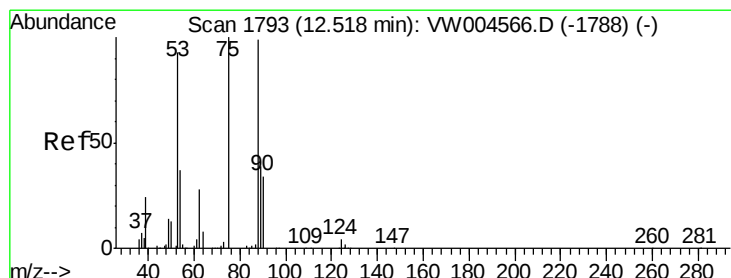
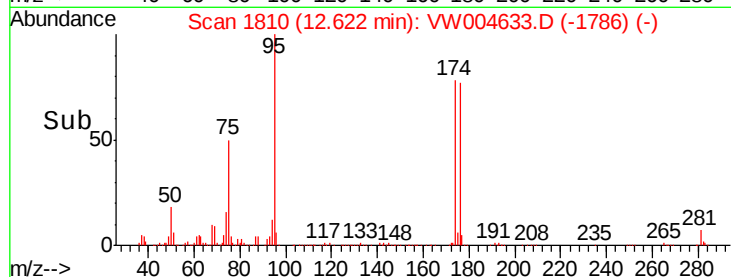
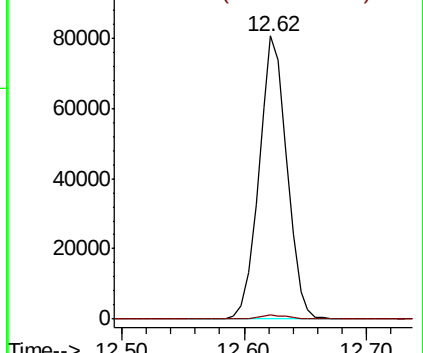
75 100

77 1.6 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: 108.141 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW004633.D

Acq: 11 Aug 2018 08:26

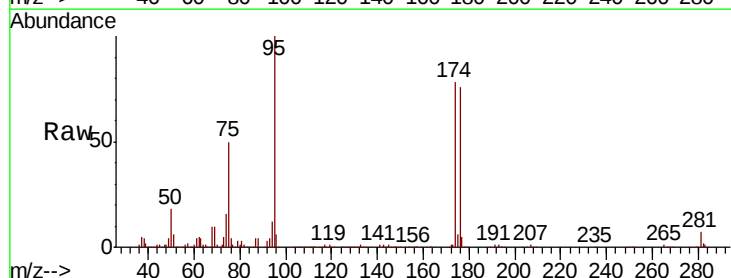
Tgt Ion: 75 Resp: 127596

Ion Ratio Lower Upper

75 100

53 0.4 74.4 111.6#

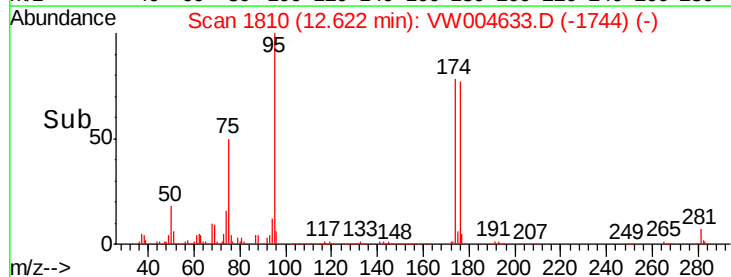
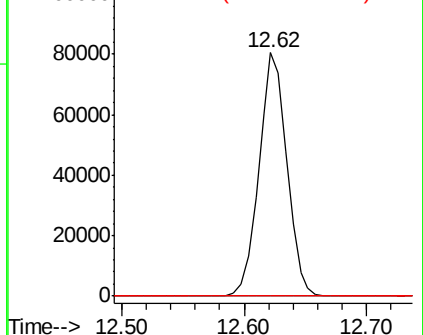
89 0.1 35.9 53.9#

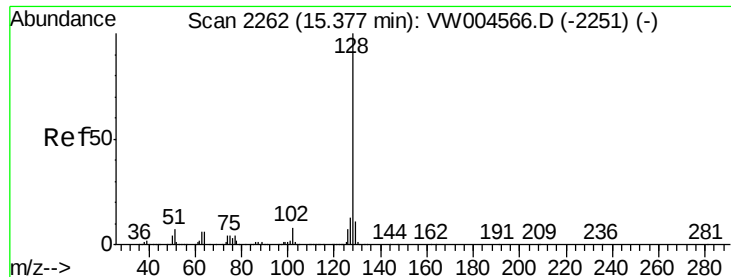


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW





#95
 Naphthalene
 Concen: 4.120 ug/l
 RT: 15.38 min Scan# 2262
 Delta R.T. 0.00 min
 Lab File: VW004633.D
 Acq: 11 Aug 2018 08:26

Instrument :
 MSVOA_W
 ClientSampleId :
 JC-03-080918-DRE

Tgt Ion	Ratio	Lower	Upper
128	100		
127	18.1	10.3	15.5#
129	12.2	8.6	13.0

