

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081318\
 Data File : VW004618.D
 Acq On : 11 Aug 2018 02:00
 Operator : SY/AP
 Sample : J4272-01
 Misc : 6.60G/5ML/MSVOA_W/SOIL
 ALS Vial : 37 Sample Multiplier: 1

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

Quant Time: Aug 11 03:06:43 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	693832	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	1191299	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	943975	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	395423	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	366145	47.67	ug/l	0.00
Spiked Amount			Recovery	=	95.34%	
35) Dibromofluoromethane	7.88	113	346619	43.64	ug/l	0.00
Spiked Amount			Recovery	=	87.28%	
50) Toluene-d8	10.33	98	1013297	33.46	ug/l	0.00
Spiked Amount			Recovery	=	66.92%	
62) 4-Bromofluorobenzene	12.62	95	329816	30.24	ug/l	0.00
Spiked Amount			Recovery	=	60.48%	

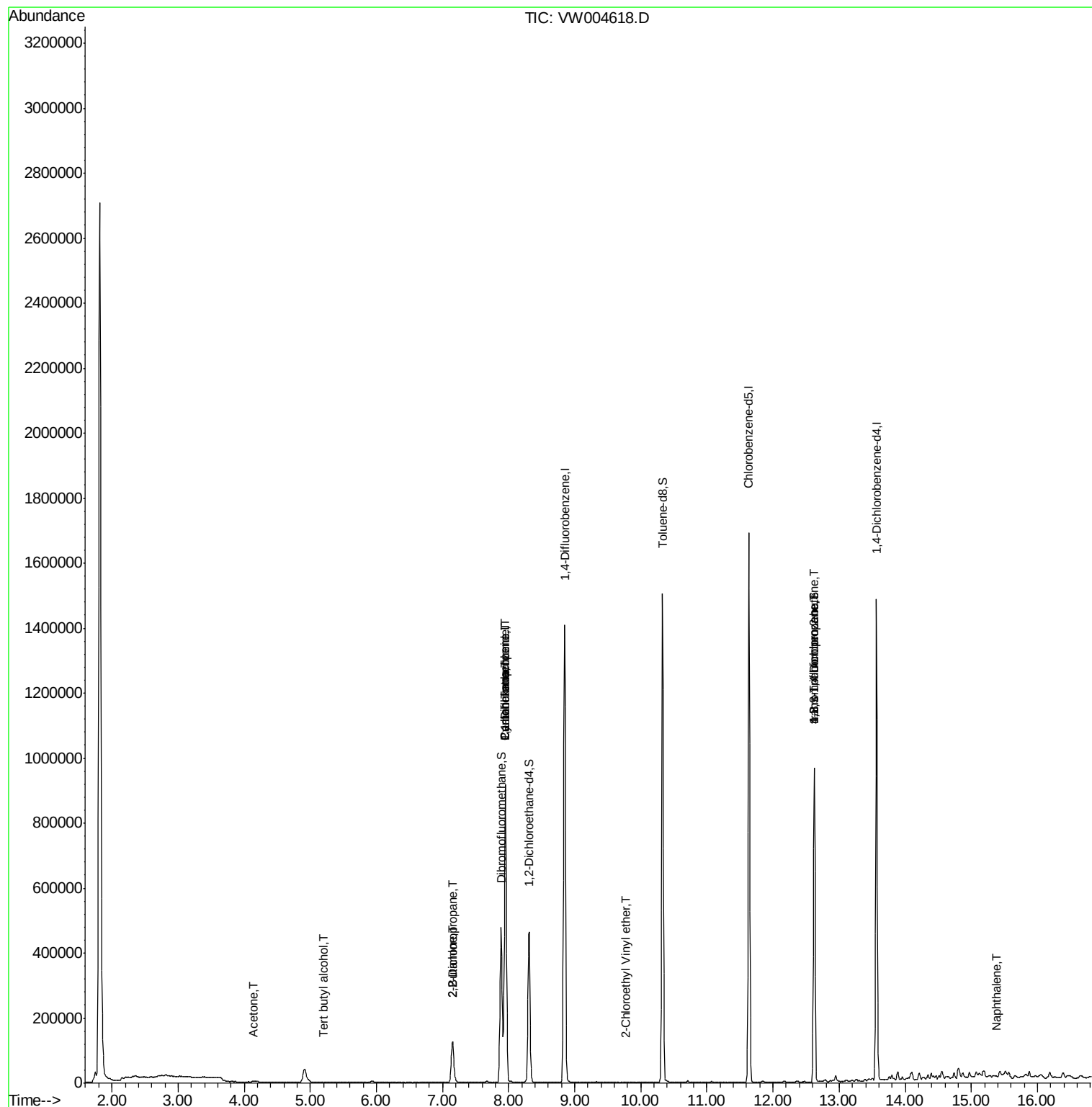
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.20	59	1710	3.802	ug/l #	75
16) Acetone	4.14	43	6520	3.399	ug/l #	76
20) Methylene Chloride	4.92	84	39339	Below Cal		98
25) 2-Butanone	7.15	43	6980	2.262	ug/l #	76
26) 2,2-Dichloropropane	7.15	77	8758	1.110	ug/l #	50
31) Cyclohexane	7.95	56	14618	1.016	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	53809	4.195	ug/l #	49
38) Carbon Tetrachloride	7.95	117	66317	5.745	ug/l #	18
58) 2-Chloroethyl Vinyl ether	9.78	63	23	8.949	ug/l #	48
76) 1,2,3-Trichloropropane	12.62	75	159407	38.958	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	159407	93.261	ug/l #	13
95) Naphthalene	15.38	128	3604	3.107	ug/l #	97

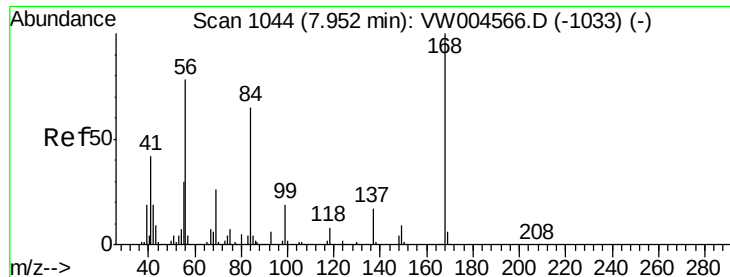
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW004618.D

Acq: 11 Aug 2018 02:00

Instrument :

MSVOA_W

ClientSampleId :

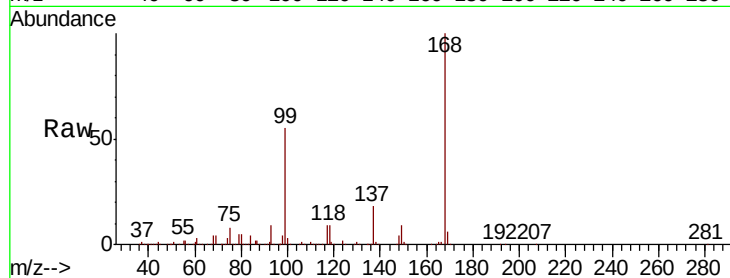
JC-03-080918-A

Tgt Ion:168 Resp: 693832

Ion Ratio Lower Upper

168 100

99 54.5 44.1 66.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

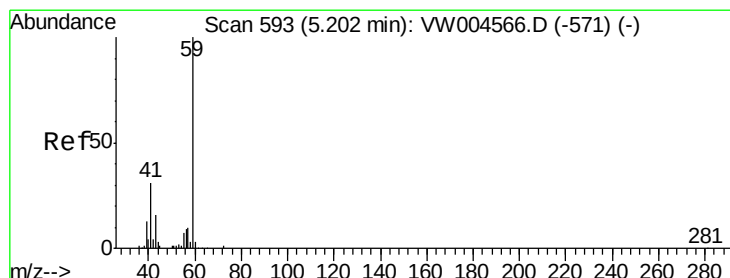
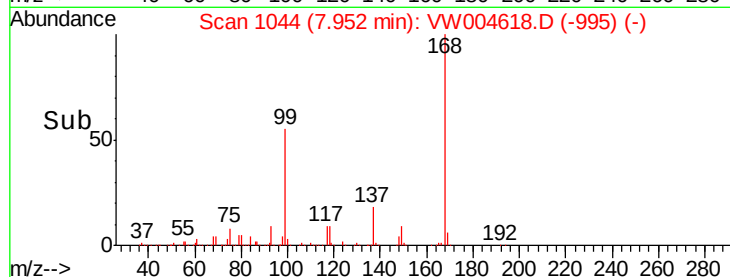
300000

200000

100000

0

Time-->



#11

Tert butyl alcohol

Concen: 3.802 ug/l

RT: 5.20 min Scan# 592

Delta R.T. -0.02 min

Lab File: VW004618.D

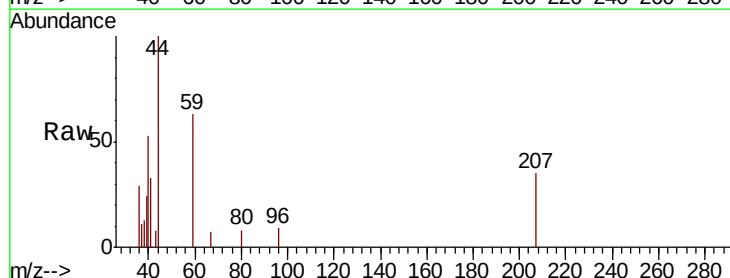
Acq: 11 Aug 2018 02:00

Tgt Ion: 59 Resp: 1710

Ion Ratio Lower Upper

59 100

57 2.0 9.1 13.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.20

500

400

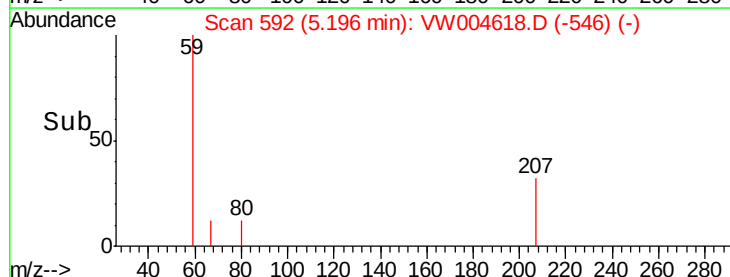
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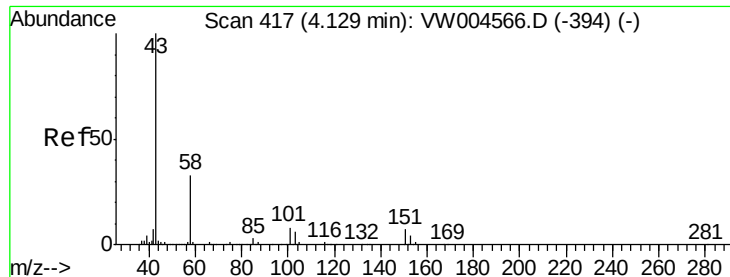
200

100

0

Time-->

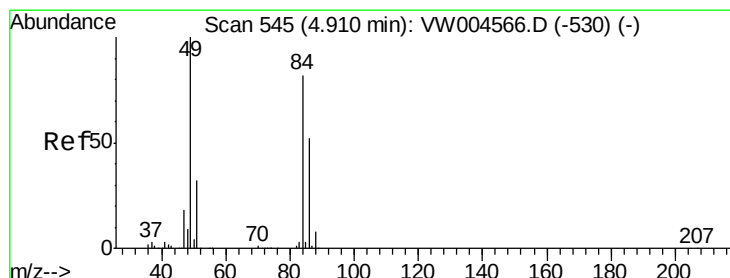
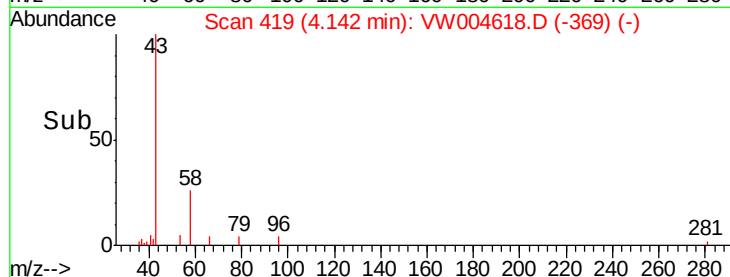
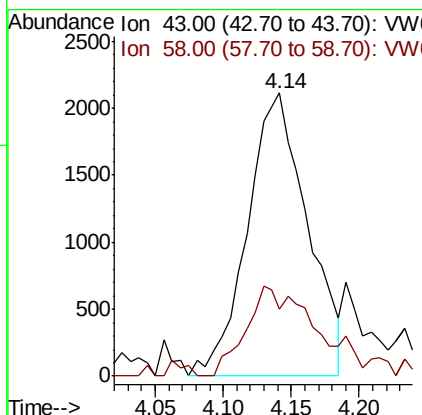
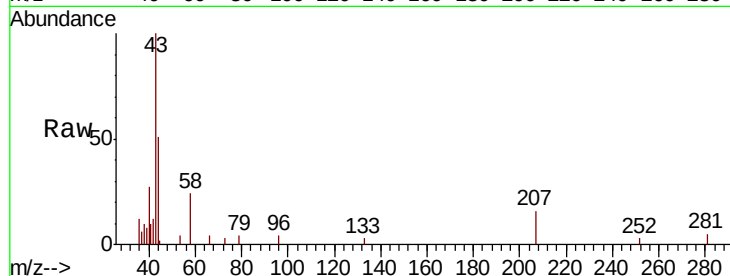




#16
Acetone
Concen: 3.399 ug/l
RT: 4.14 min Scan# 419
Delta R.T. 0.01 min
Lab File: VW004618.D
Acq: 11 Aug 2018 02:00

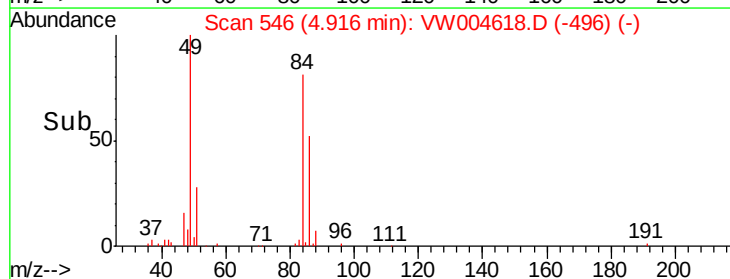
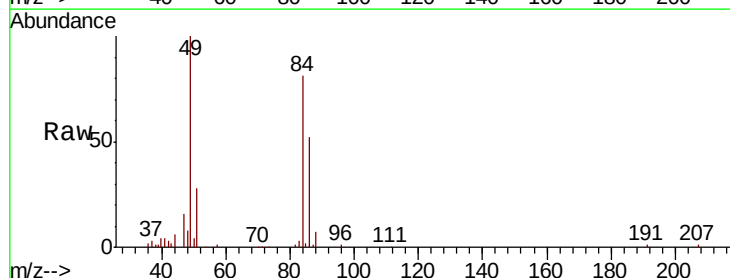
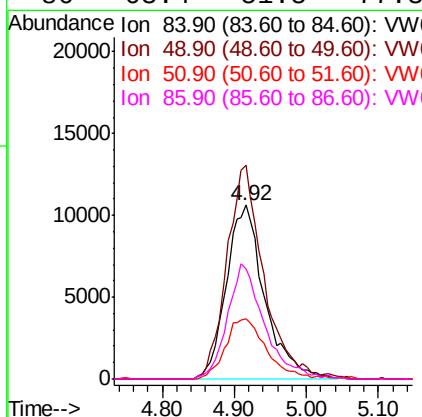
Instrument :
MSVOA_W
ClientSampleId :
JC-03-080918-A

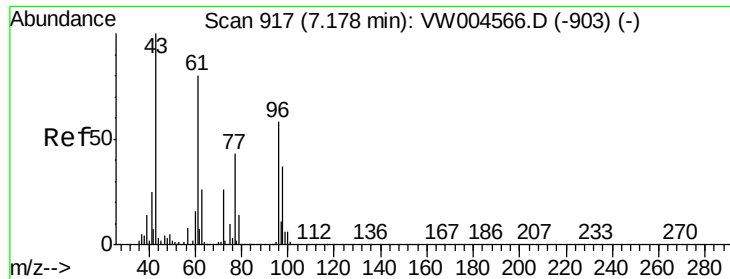
Tgt Ion: 43 Resp: 6520
Ion Ratio Lower Upper
43 100
58 19.6 26.8 40.2#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.92 min Scan# 546
Delta R.T. 0.01 min
Lab File: VW004618.D
Acq: 11 Aug 2018 02:00

Tgt Ion: 84 Resp: 39339
Ion Ratio Lower Upper
84 100
49 122.8 99.6 149.4
51 34.8 31.0 46.4
86 63.4 51.5 77.3





#25

2-Butanone

Concen: 2.262 ug/l

RT: 7.15 min Scan# 913

Delta R.T. -0.03 min

Lab File: VW004618.D

Acq: 11 Aug 2018 02:00

Instrument :

MSVOA_W

ClientSampleId :

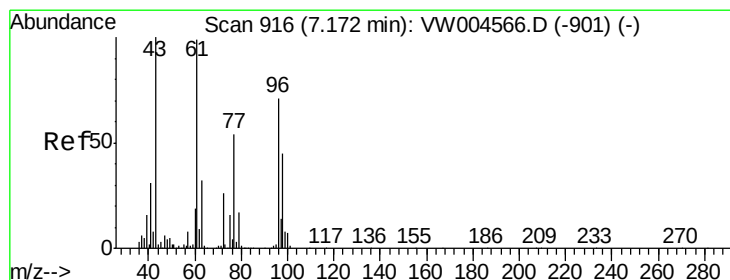
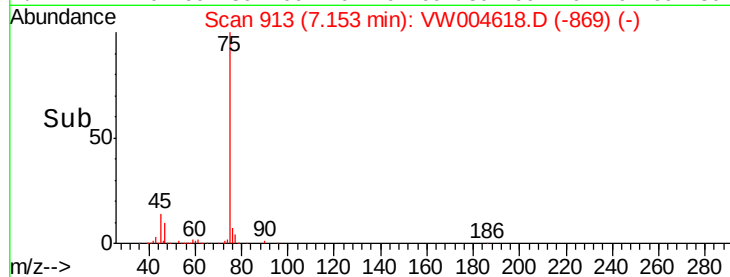
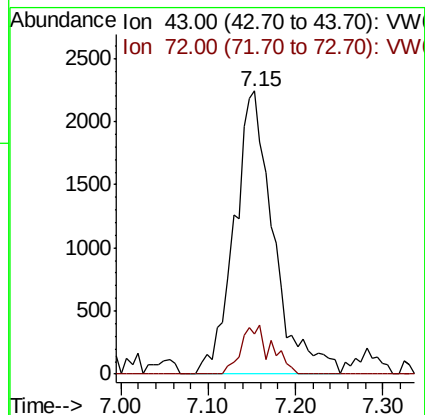
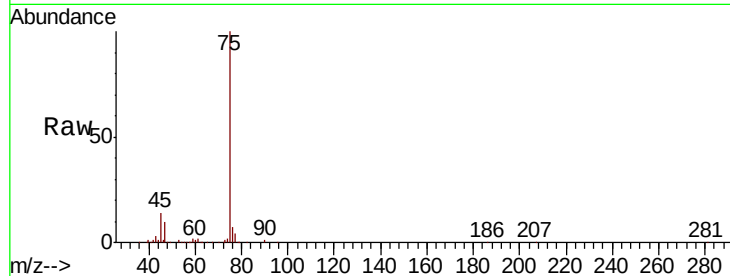
JC-03-080918-A

Tgt Ion: 43 Resp: 6980

Ion Ratio Lower Upper

43 100

72 14.0 21.0 31.6#



#26

2,2-Dichloropropane

Concen: 1.110 ug/l

RT: 7.15 min Scan# 912

Delta R.T. -0.02 min

Lab File: VW004618.D

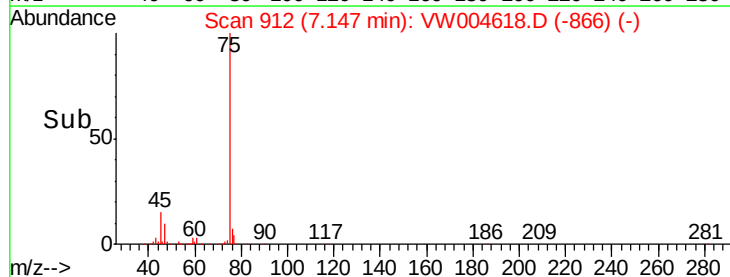
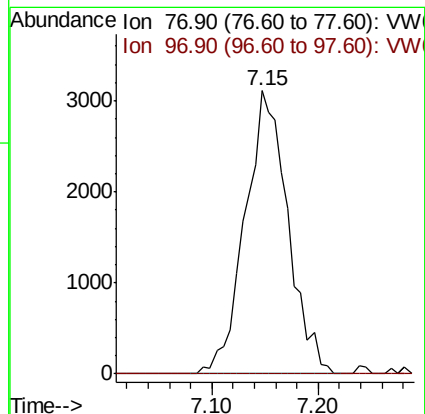
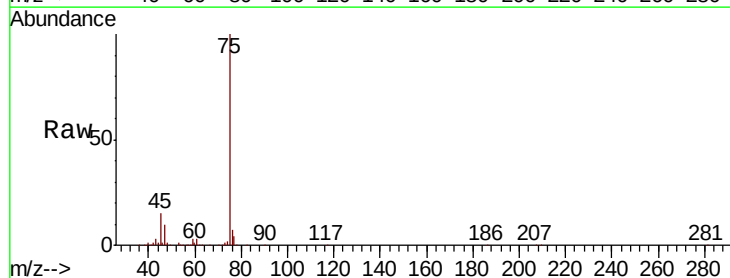
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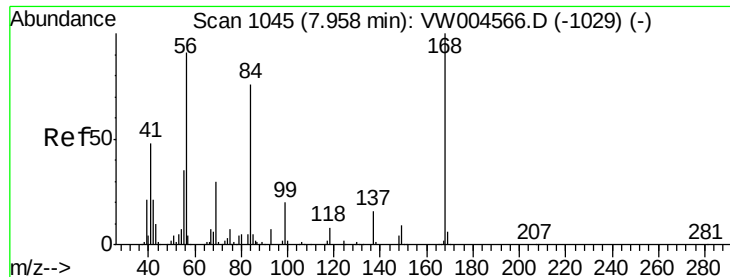
Tgt Ion: 77 Resp: 8758

Ion Ratio Lower Upper

77 100

97 0.0 12.5 37.5#

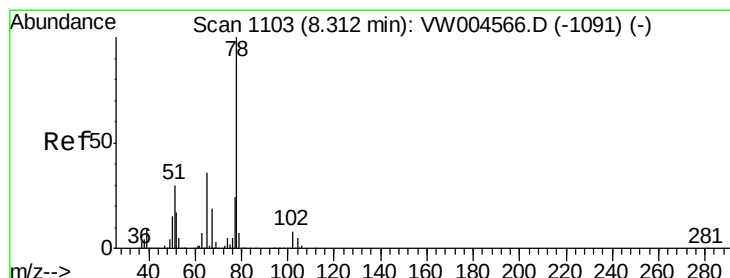
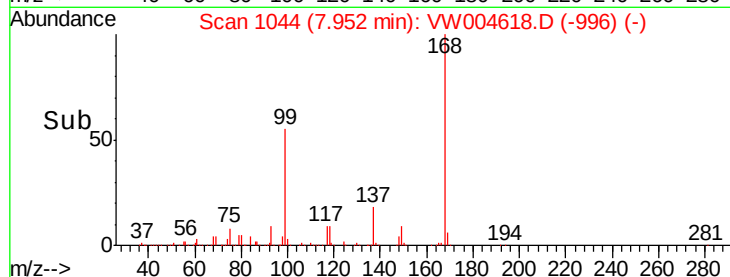
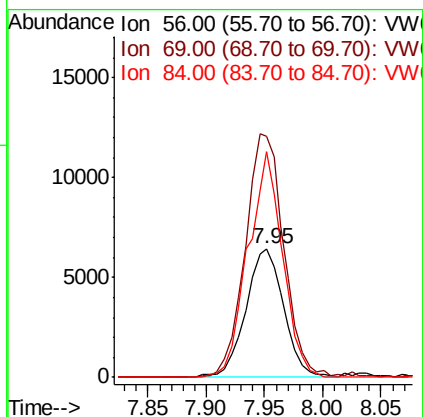
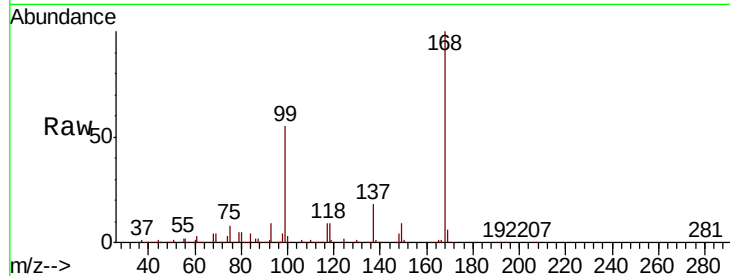




#31
Cyclohexane
Concen: 1.016 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. -0.01 min
Lab File: VW004618.D
Acq: 11 Aug 2018 02:00

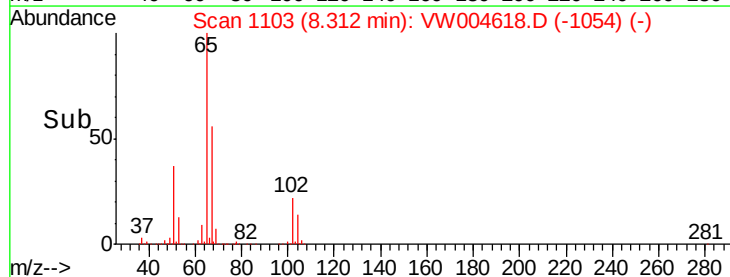
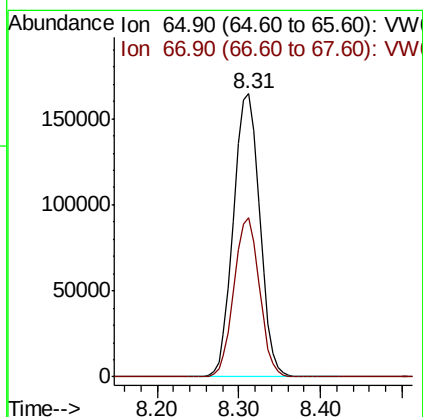
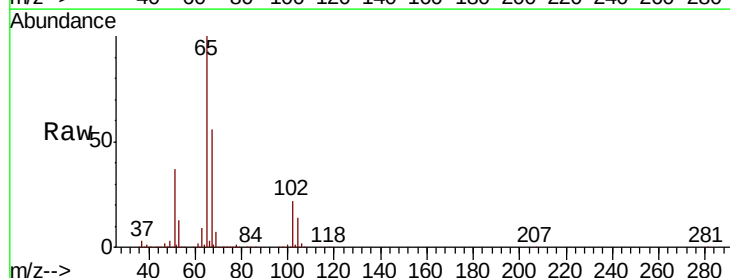
Instrument :
MSVOA_W
ClientSampleId :
JC-03-080918-A

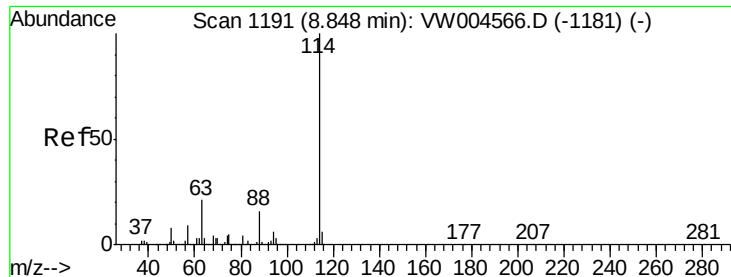
Tgt Ion: 56 Resp: 14618
Ion Ratio Lower Upper
56 100
69 187.5 26.4 39.6#
84 175.3 66.9 100.3#



#33
1,2-Dichloroethane-d4
Concen: 47.672 ug/l
RT: 8.31 min Scan# 1103
Delta R.T. 0.00 min
Lab File: VW004618.D
Acq: 11 Aug 2018 02:00

Tgt Ion: 65 Resp: 366145
Ion Ratio Lower Upper
65 100
67 54.6 0.0 109.0

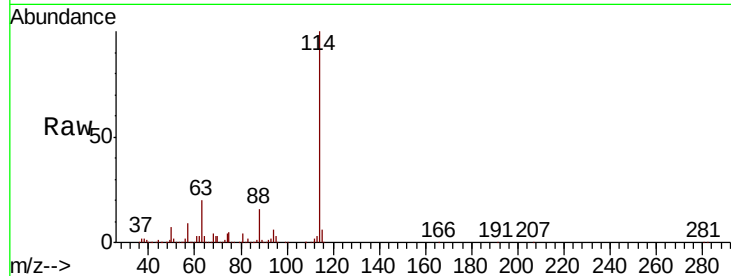




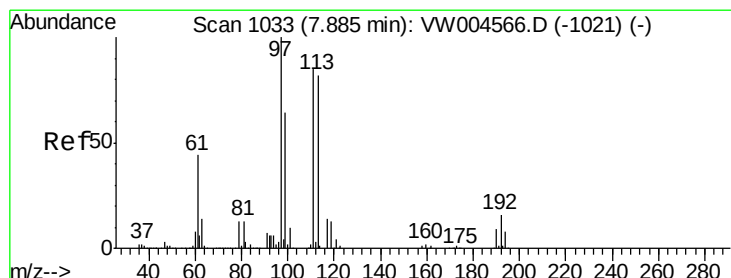
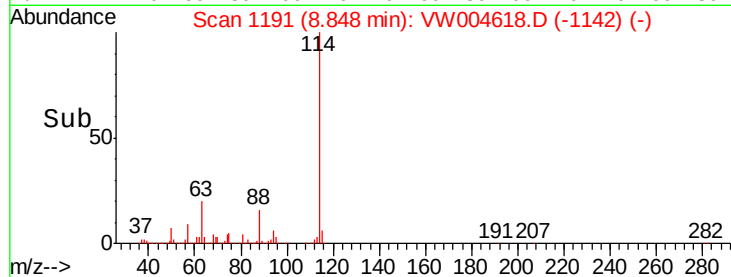
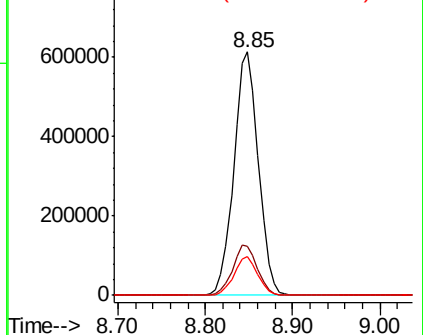
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW004618.D
 Acq: 11 Aug 2018 02:00

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

Tgt Ion:114 Resp: 1191299
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 42.4
 88 15.7 0.0 31.2

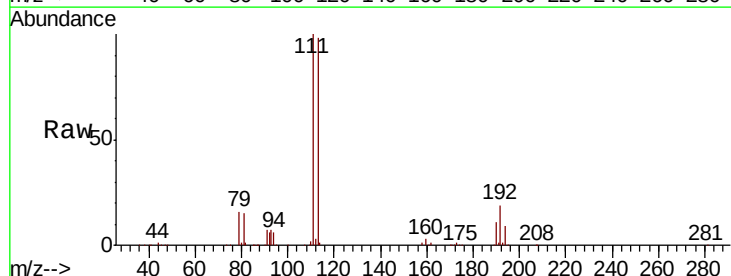


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

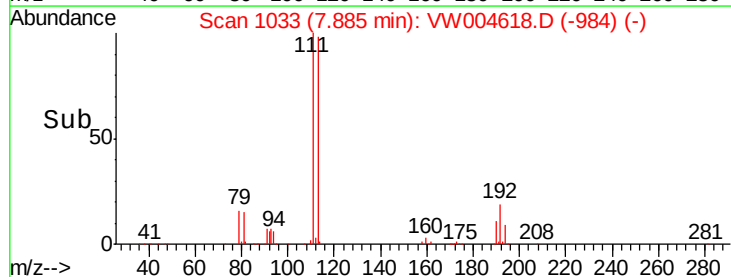
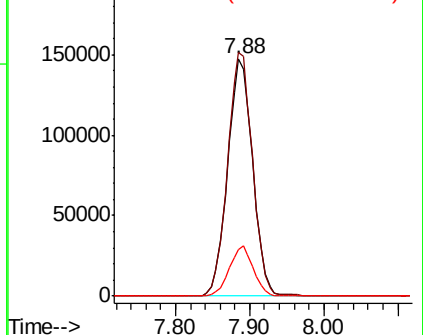


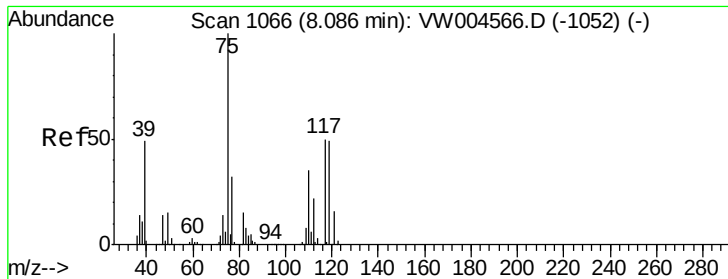
#35
 Dibromofluoromethane
 Concen: 43.637 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VW004618.D
 Acq: 11 Aug 2018 02:00

Tgt Ion:113 Resp: 346619
 Ion Ratio Lower Upper
 113 100
 111 102.3 82.9 124.3
 192 20.2 15.8 23.6



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.195 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.13 min

Lab File: VW004618.D

Acq: 11 Aug 2018 02:00

Instrument :

MSVOA_W

ClientSampleId :

JC-03-080918-A

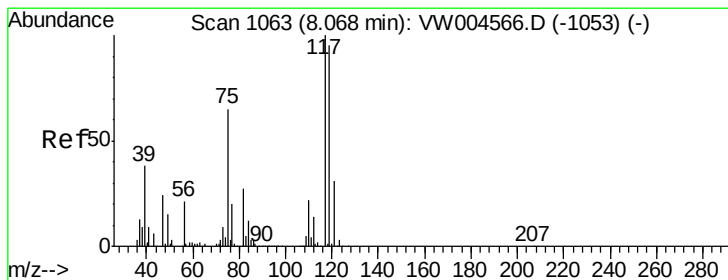
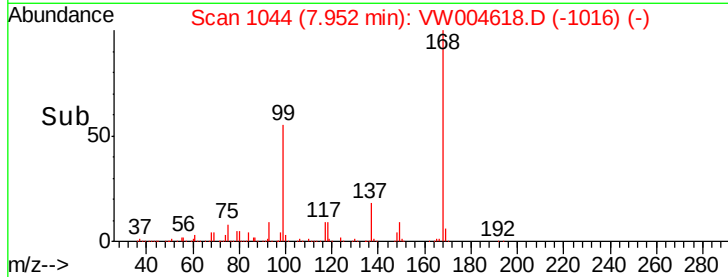
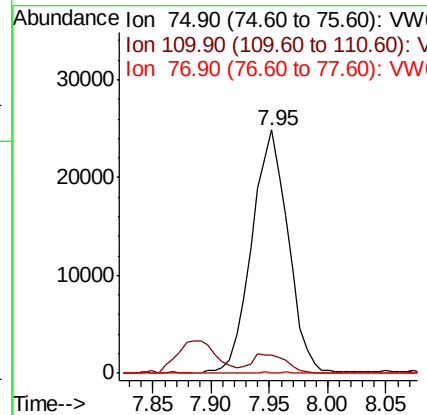
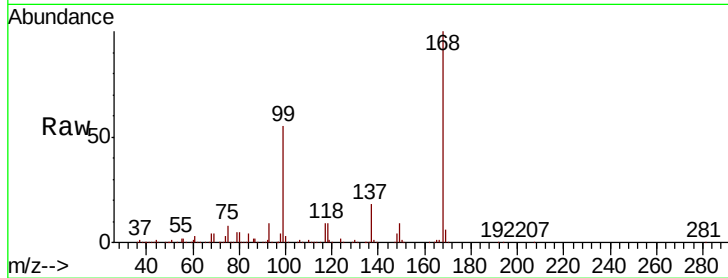
Tgt Ion: 75 Resp: 53809

Ion Ratio Lower Upper

75 100

110 7.9 17.4 52.2#

77 0.3 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 5.745 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.12 min

Lab File: VW004618.D

Acq: 11 Aug 2018 02:00

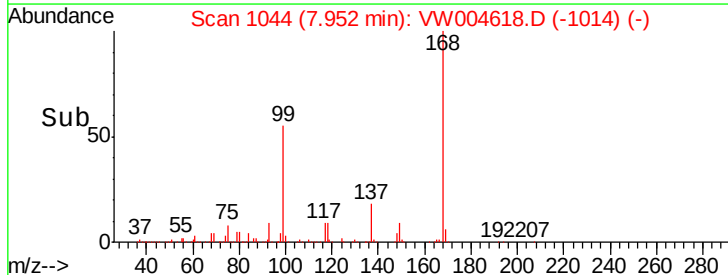
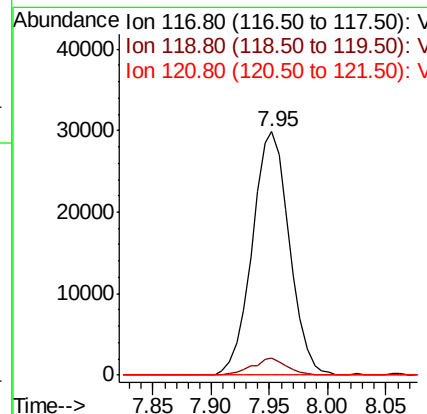
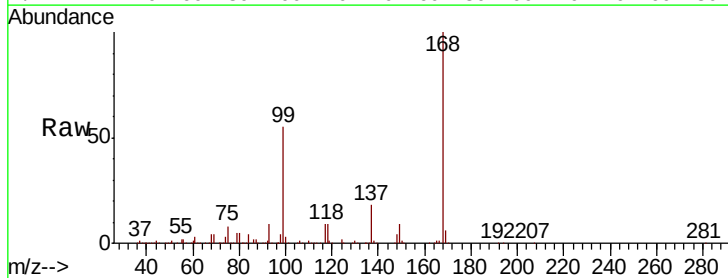
Tgt Ion: 117 Resp: 66317

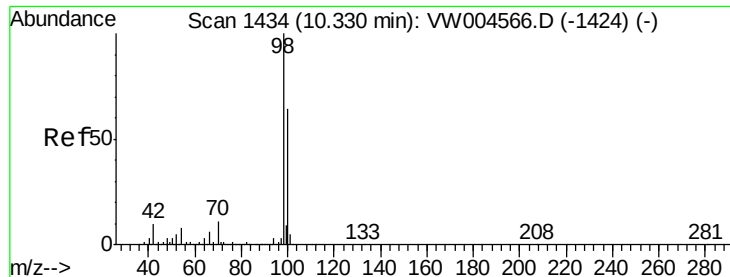
Ion Ratio Lower Upper

117 100

119 7.2 76.1 114.1#

121 0.0 24.2 36.4#





#50

Toluene-d8

Concen: 33.462 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW004618.D

Acq: 11 Aug 2018 02:00

Instrument :

MSVOA_W

ClientSampleId :

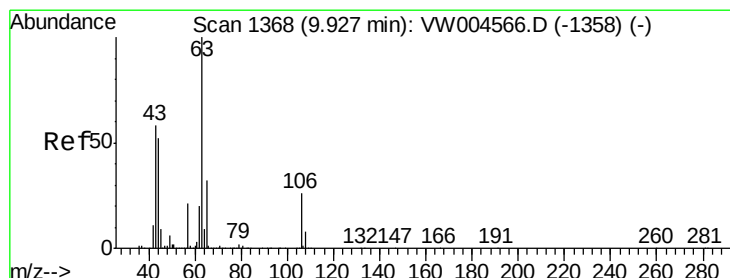
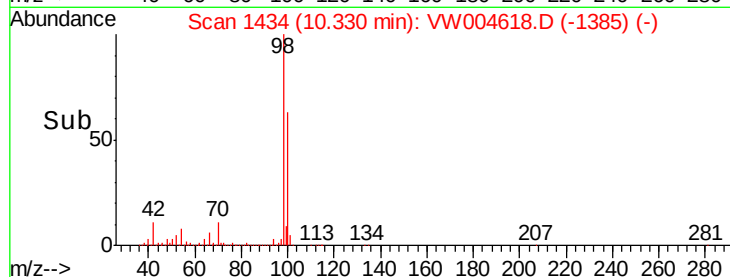
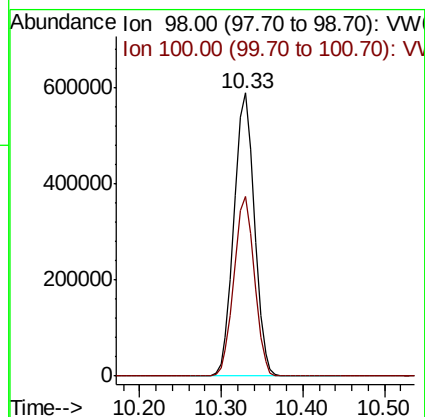
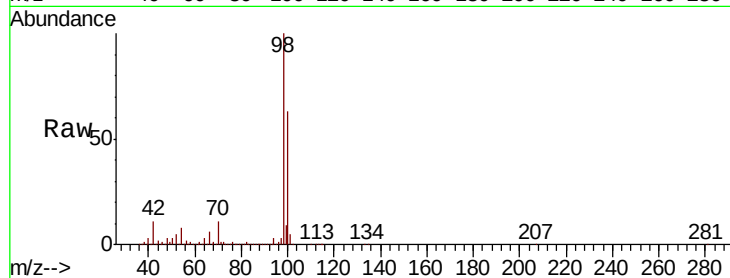
JC-03-080918-A

Tgt Ion: 98 Resp: 1013297

Ion Ratio Lower Upper

98 100

100 63.3 51.4 77.2



#58

2-Chloroethyl Vinyl ether

Concen: 8.949 ug/l

RT: 9.78 min Scan# 1344

Delta R.T. -0.15 min

Lab File: VW004618.D

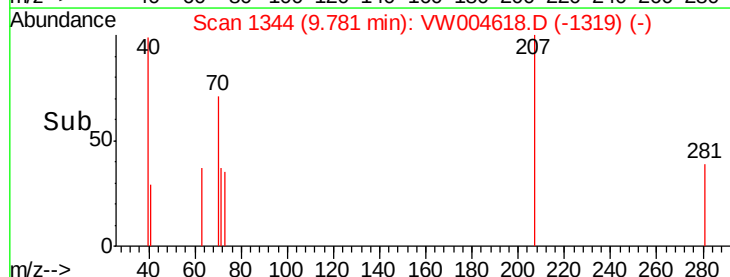
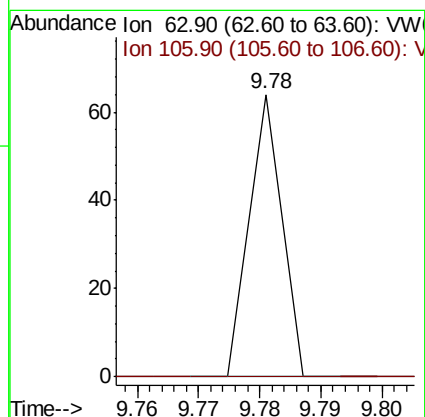
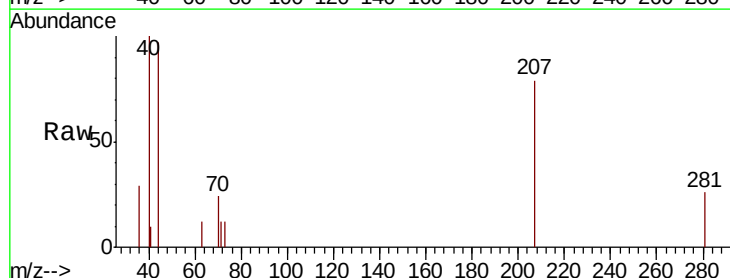
Acq: 11 Aug 2018 02:00

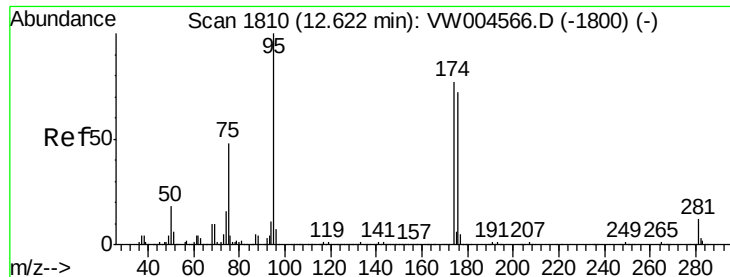
Tgt Ion: 63 Resp: 23

Ion Ratio Lower Upper

63 100

106 0.0 21.3 31.9#

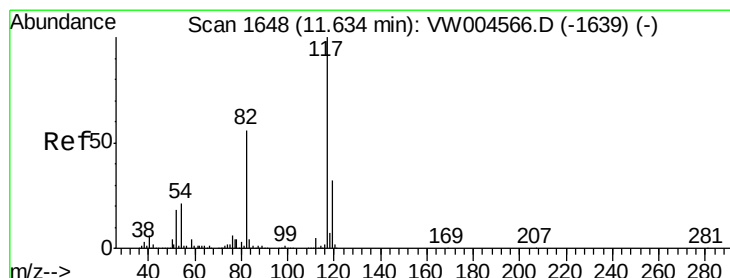
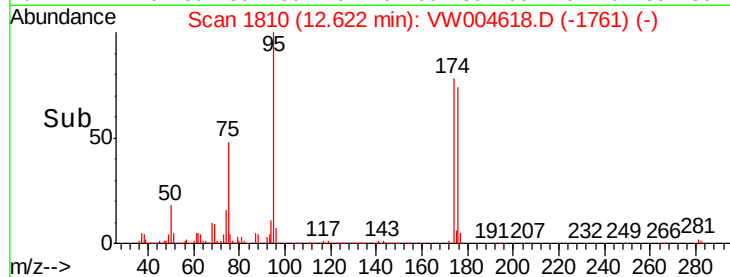
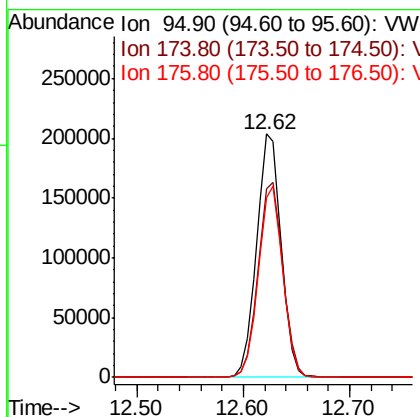
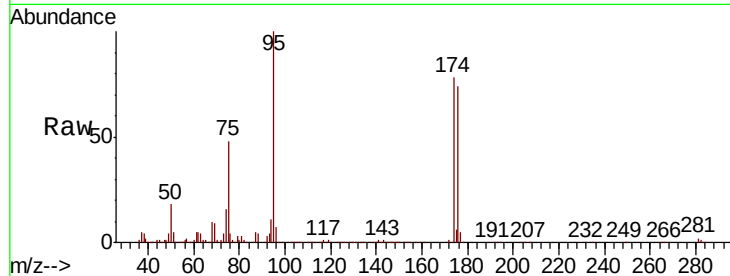




#62
4-Bromofluorobenzene
Concen: 30.235 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VW004618.D
Acq: 11 Aug 2018 02:00

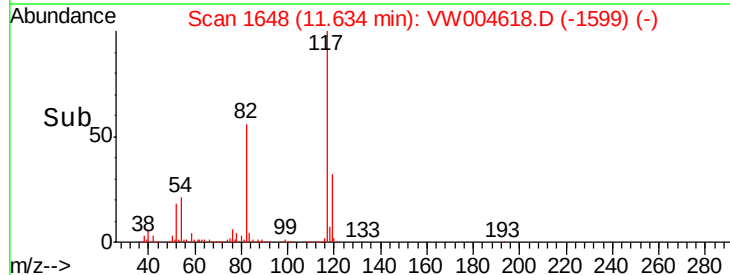
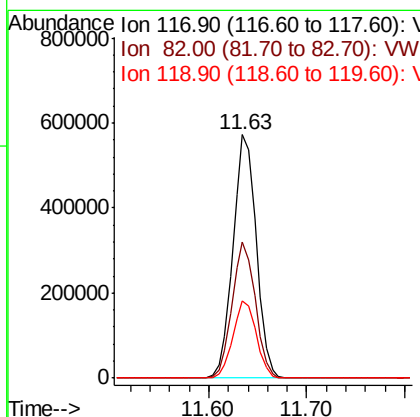
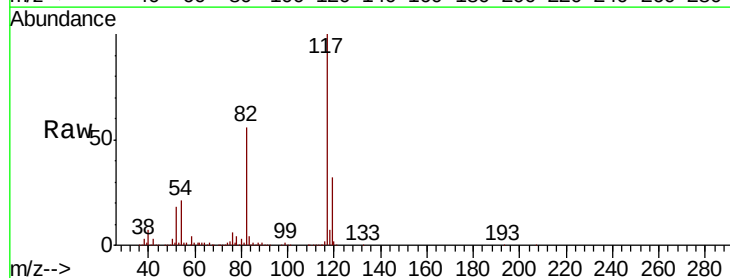
Instrument :
MSVOA_W
ClientSampleId :
JC-03-080918-A

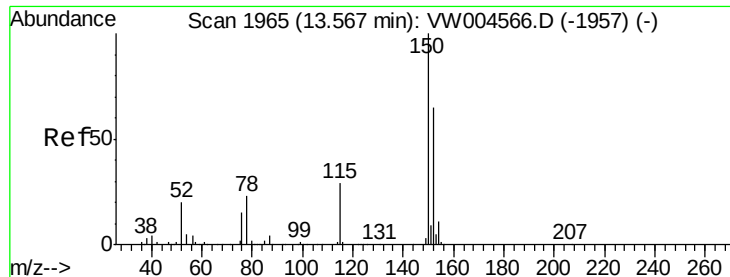
Tgt Ion	Ratio	Lower	Upper
95	100		
174	81.5	0.0	160.4
176	78.0	0.0	153.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. 0.00 min
Lab File: VW004618.D
Acq: 11 Aug 2018 02:00

Tgt Ion	Ratio	Lower	Upper
117	100		
82	55.6	45.3	67.9
119	31.8	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: VW004618.D

Acq: 11 Aug 2018 02:00

Instrument :

MSVOA_W

ClientSampleId :

JC-03-080918-A

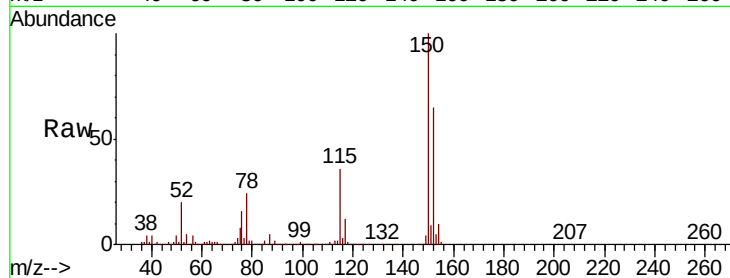
Tgt Ion: 152 Resp: 395423

Ion Ratio Lower Upper

152 100

115 58.3 29.1 87.3

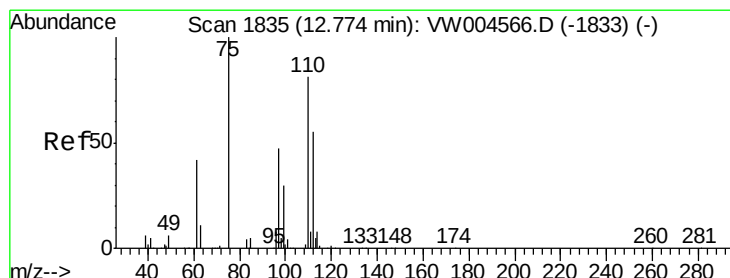
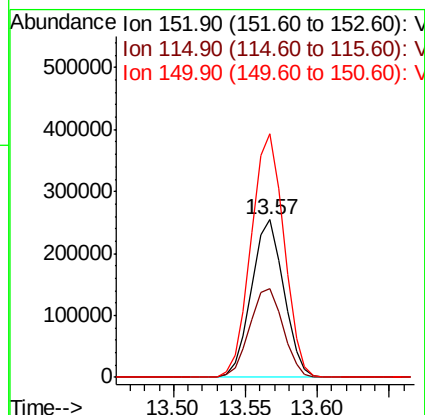
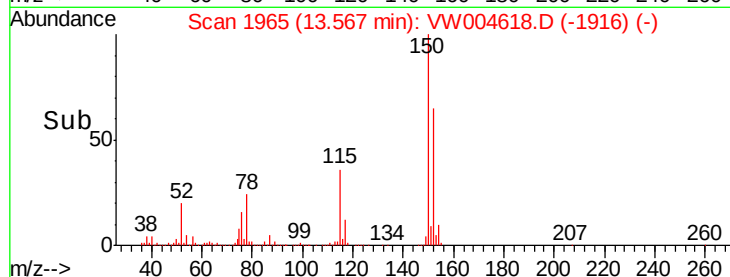
150 156.7 0.0 349.6



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: 38.958 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.15 min

Lab File: VW004618.D

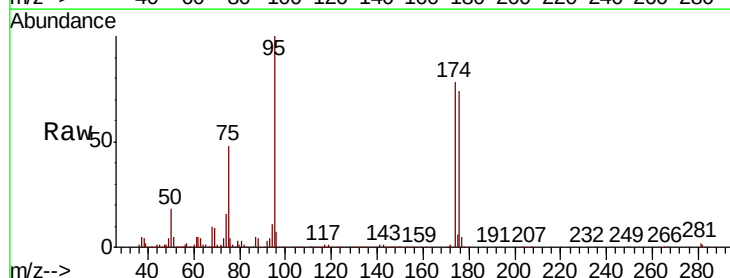
Acq: 11 Aug 2018 02:00

Tgt Ion: 75 Resp: 159407

Ion Ratio Lower Upper

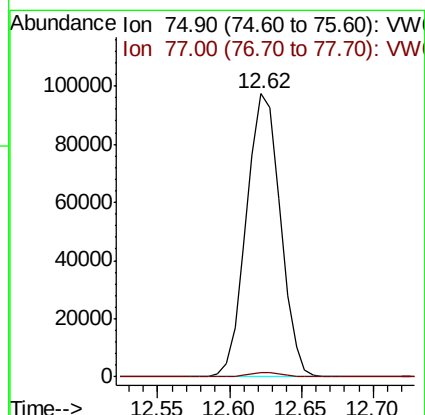
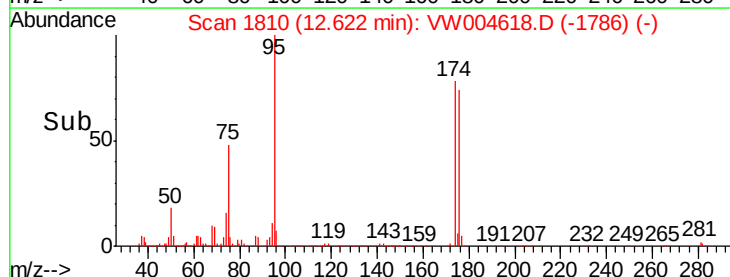
75 100

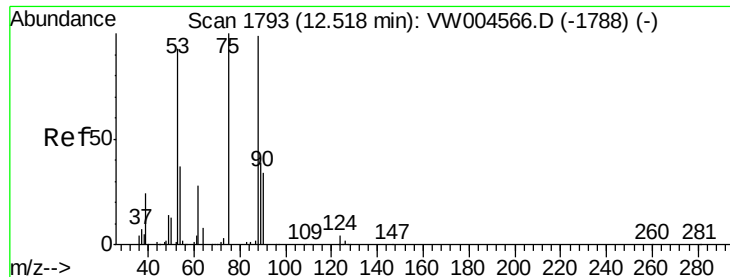
77 1.5 0.0 0.0#



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: 93.261 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW004618.D

Acq: 11 Aug 2018 02:00

Instrument :

MSVOA_W

ClientSampleId :

JC-03-080918-A

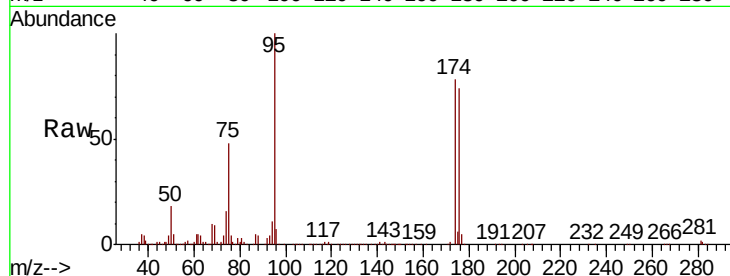
Tgt Ion: 75 Resp: 159407

Ion Ratio Lower Upper

75 100

53 0.3 74.4 111.6#

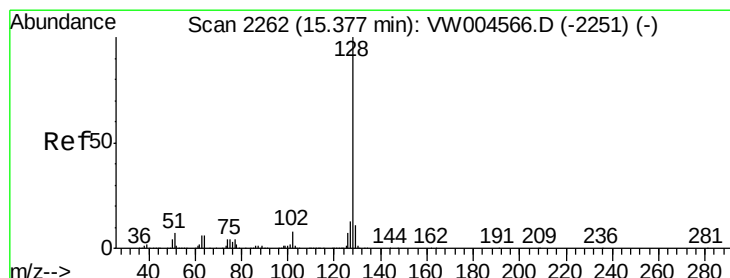
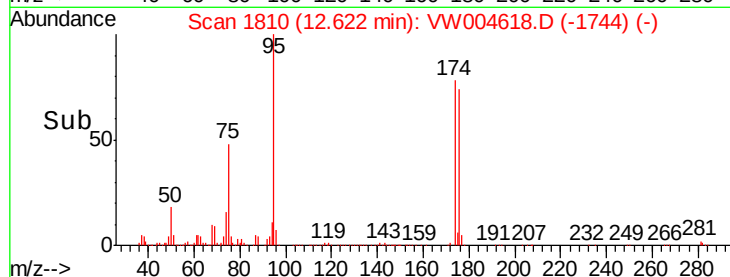
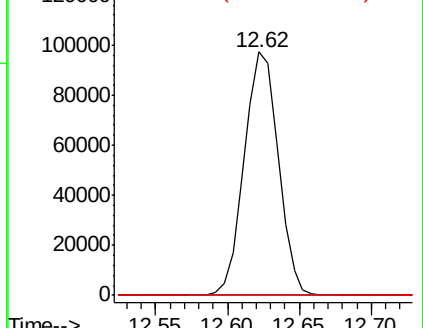
89 0.0 35.9 53.9#



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



#95

Naphthalene

Concen: 3.107 ug/l

RT: 15.38 min Scan# 2262

Delta R.T. 0.00 min

Lab File: VW004618.D

Acq: 11 Aug 2018 02:00

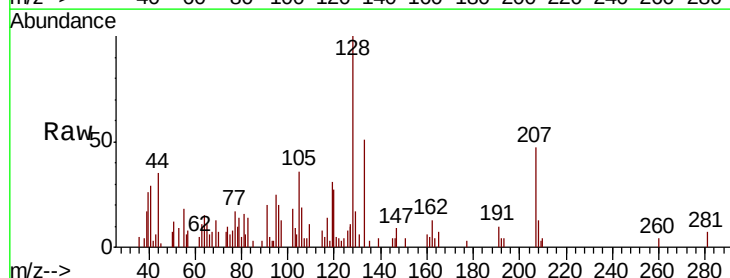
Tgt Ion: 128 Resp: 3604

Ion Ratio Lower Upper

128 100

127 13.3 10.3 15.5

129 13.1 8.6 13.0#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

