

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW092518\
 Data File : VW005633.D
 Acq On : 26 Sep 2018 02:55
 Operator : VA/AP
 Sample : J4770-03RE
 Misc : 9.91G/5ML/MSVOA_W/SOIL
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 JC-02-092118-BRE

Quant Time: Sep 26 05:53:27 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

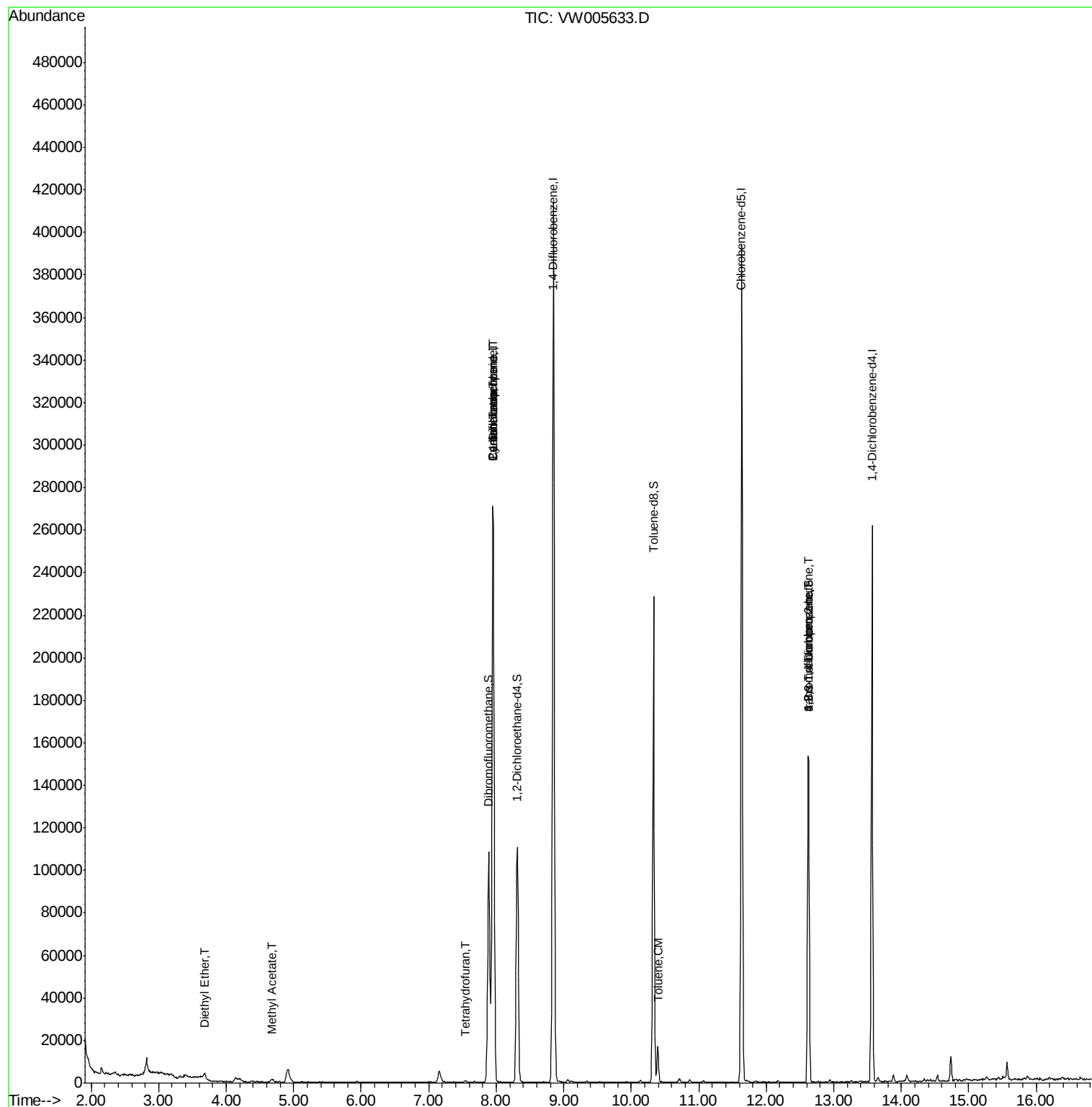
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	203442	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	337434	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	217993	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	70016	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	91448	38.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	76.32%	
35) Dibromofluoromethane	7.89	113	74715	35.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	70.42%	
50) Toluene-d8	10.33	98	151472	17.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	35.06%	
62) 4-Bromofluorobenzene	12.62	95	50767	15.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	31.76%	
Target Compounds						
8) Diethyl Ether	3.68	74	1903	1.905	ug/l	80
11) Tert butyl alcohol	5.21	59	211	Below Cal	#	72
13) Acrolein	3.66	56	24	Below Cal		87
18) Methyl Acetate	4.67	43	2942	2.590	ug/l #	86
20) Methylene Chloride	4.91	84	4888	Below Cal		97
29) Tetrahydrofuran	7.54	42	473	1.301	ug/l #	58
31) Cyclohexane	7.95	56	4573	1.231	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	15752	4.637	ug/l #	51
38) Carbon Tetrachloride	7.95	117	20818	5.719	ug/l #	14
52) Toluene	10.40	92	6481	1.079	ug/l	86
76) 1,2,3-Trichloropropane	12.62	75	25379	42.522	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	25379	95.773	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: VW005633.D

Acq: 26 Sep 2018 02:55

Instrument :

MSVOA_W

ClientSampleId :

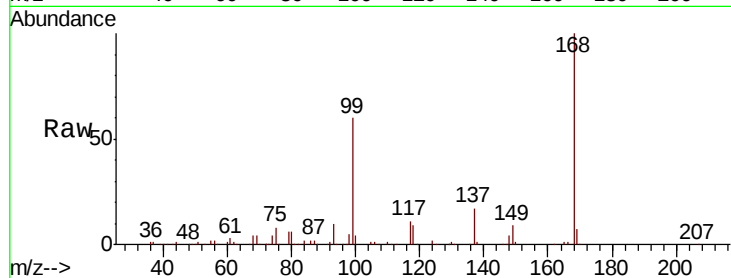
JC-02-092118-BRE

Tgt Ion:168 Resp: 203442

Ion Ratio Lower Upper

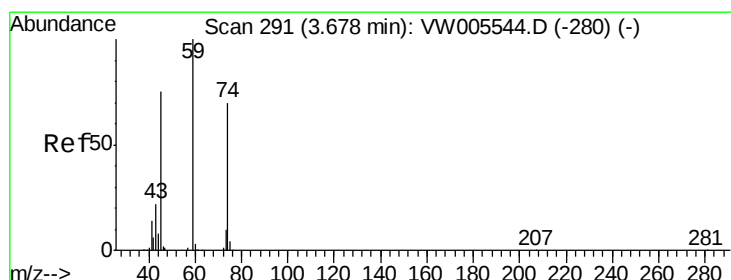
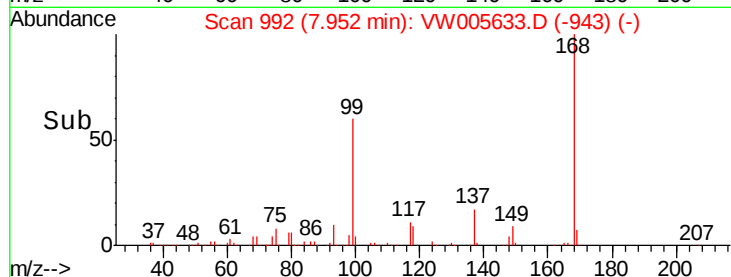
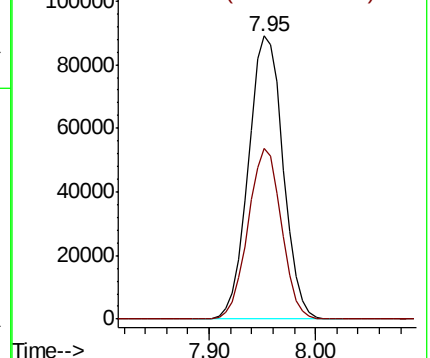
168 100

99 60.3 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: 1.905 ug/l

RT: 3.68 min Scan# 292

Delta R.T. 0.01 min

Lab File: VW005633.D

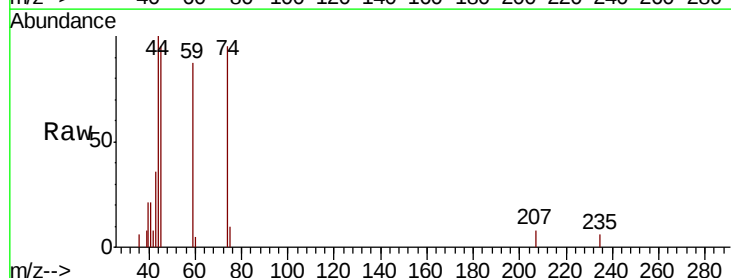
Acq: 26 Sep 2018 02:55

Tgt Ion: 74 Resp: 1903

Ion Ratio Lower Upper

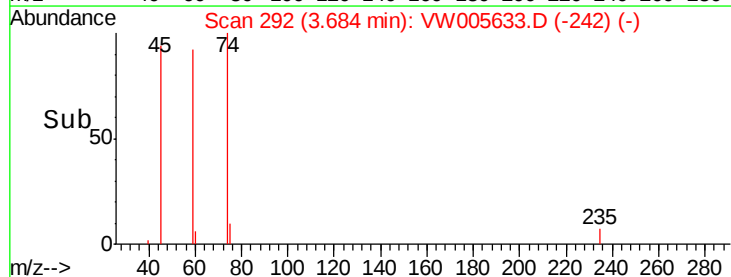
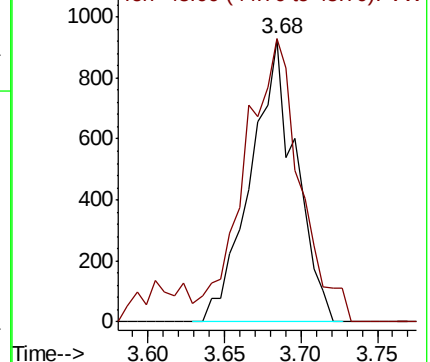
74 100

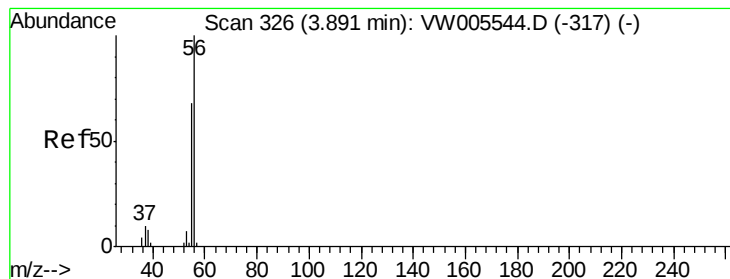
45 123.5 51.7 155.2



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW





#13

Acrolein

Concen: Below Cal

RT: 3.66 min Scan# 288

Delta R.T. -0.23 min

Lab File: VW005633.D

Acq: 26 Sep 2018 02:55

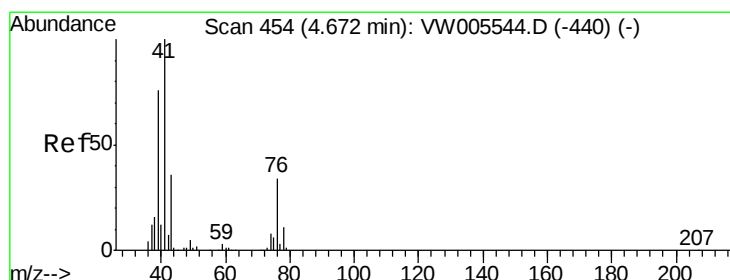
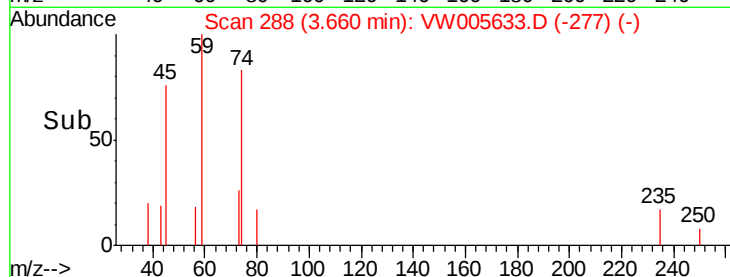
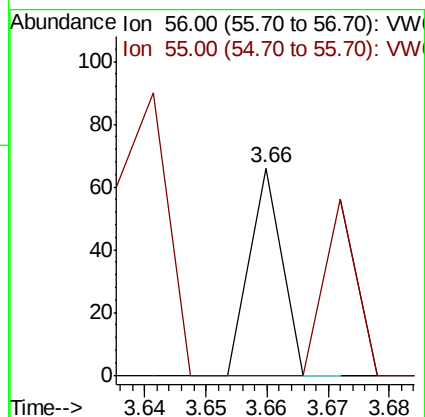
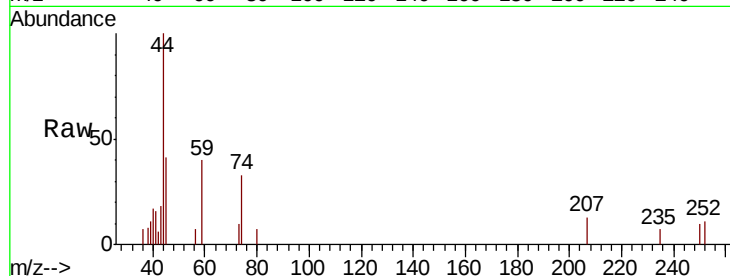
Instrument :
MSVOA_W
ClientSampleId :
JC-02-092118-BRE

Tgt Ion: 56 Resp: 24

Ion Ratio Lower Upper

56 100

55 83.3 57.8 86.8



#18

Methyl Acetate

Concen: 2.590 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.00 min

Lab File: VW005633.D

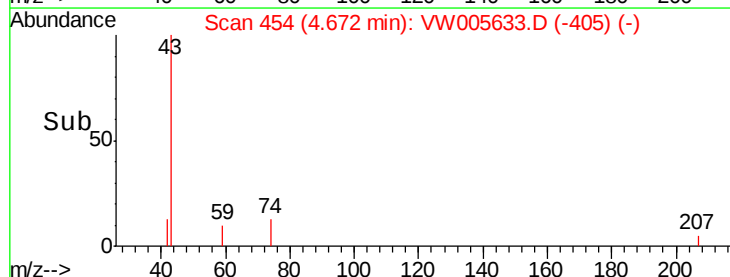
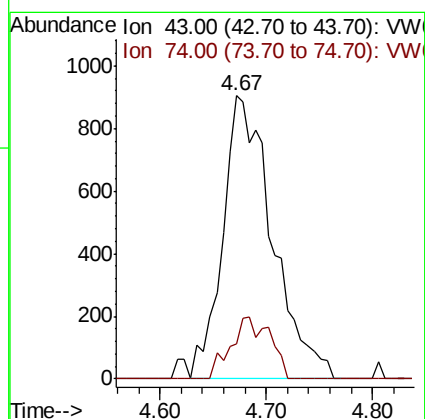
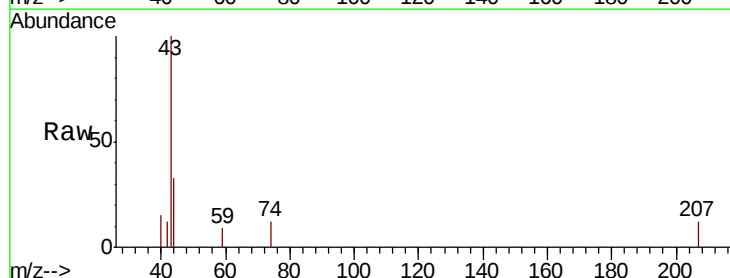
Acq: 26 Sep 2018 02:55

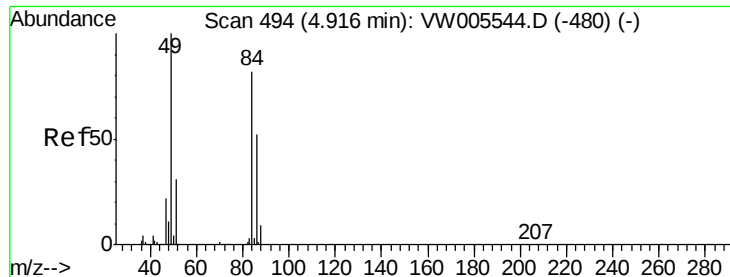
Tgt Ion: 43 Resp: 2942

Ion Ratio Lower Upper

43 100

74 17.3 19.2 28.8#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW005633.D

Acq: 26 Sep 2018 02:55

Instrument :

MSVOA_W

ClientSampleId :

JC-02-092118-BRE

Tgt Ion: 84 Resp: 4888

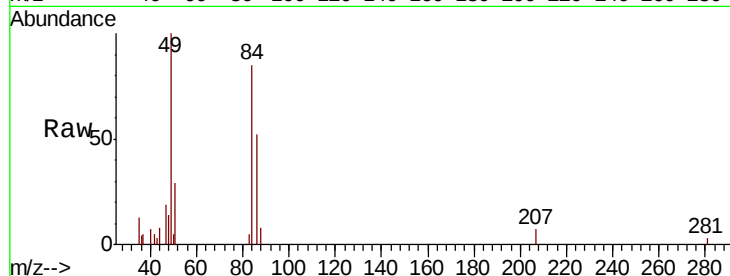
Ion Ratio Lower Upper

84 100

49 118.2 97.0 145.6

51 34.8 30.2 45.2

86 61.2 50.2 75.4

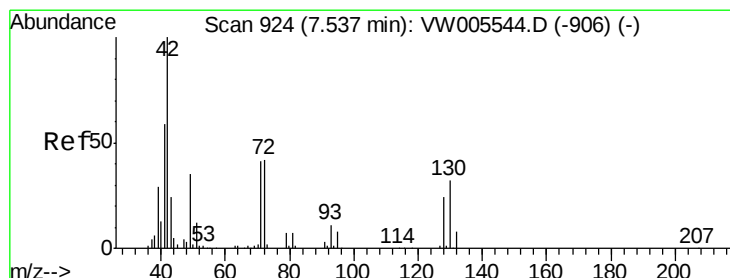
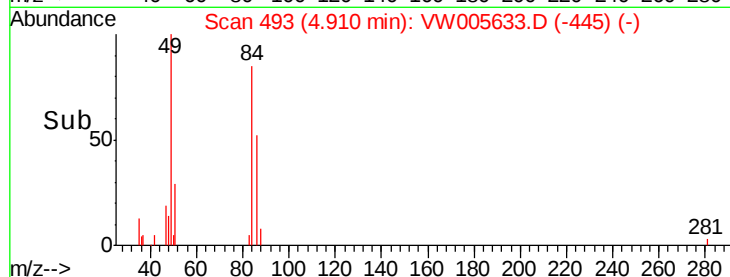
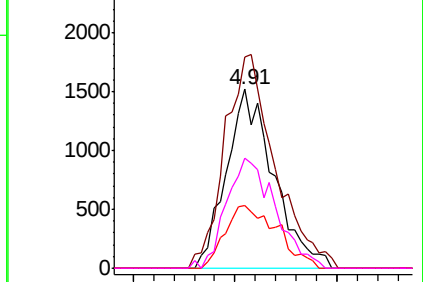


Abundance Ion 83.90 (83.60 to 84.60): VW

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



#29

Tetrahydrofuran

Concen: 1.301 ug/l

RT: 7.54 min Scan# 925

Delta R.T. 0.01 min

Lab File: VW005633.D

Acq: 26 Sep 2018 02:55

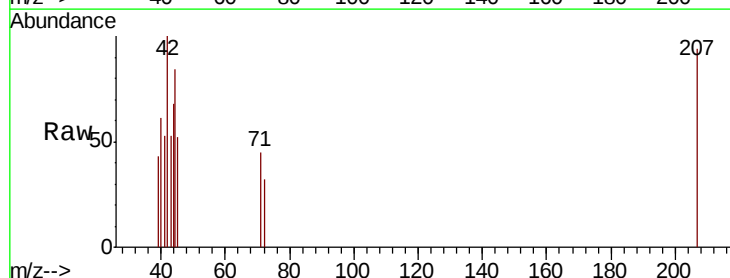
Tgt Ion: 42 Resp: 473

Ion Ratio Lower Upper

42 100

72 10.6 33.6 50.4#

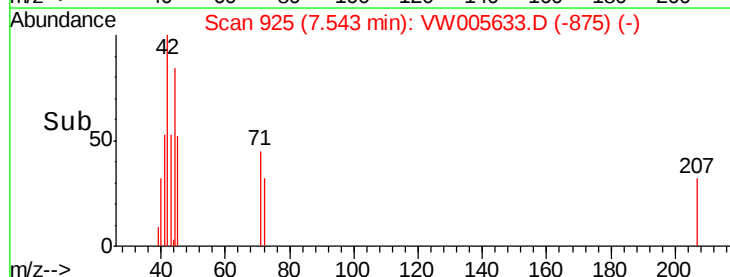
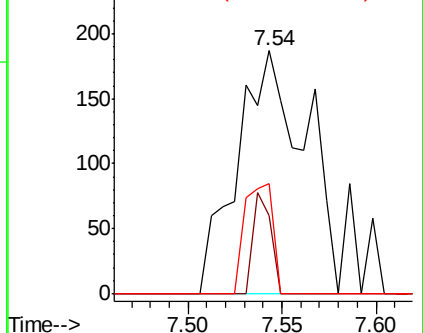
71 18.6 31.8 47.6#

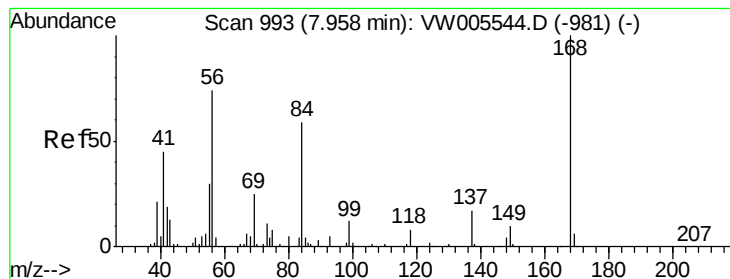


Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW





#31

Cyclohexane

Concen: 1.231 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW005633.D

Acq: 26 Sep 2018 02:55

Instrument :

MSVOA_W

ClientSampleId :

JC-02-092118-BRE

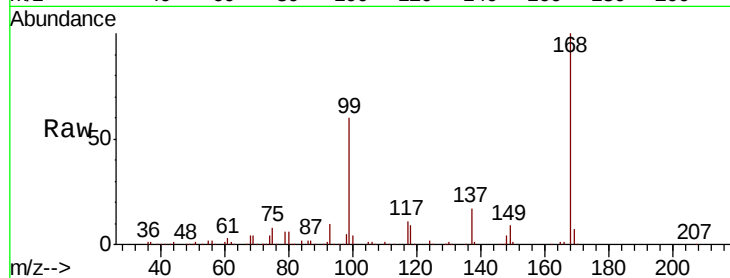
Tgt Ion: 56 Resp: 4573

Ion Ratio Lower Upper

56 100

69 192.3 27.0 40.4#

84 105.5 64.2 96.4#

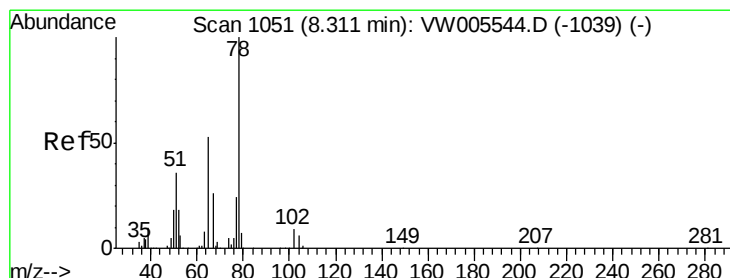
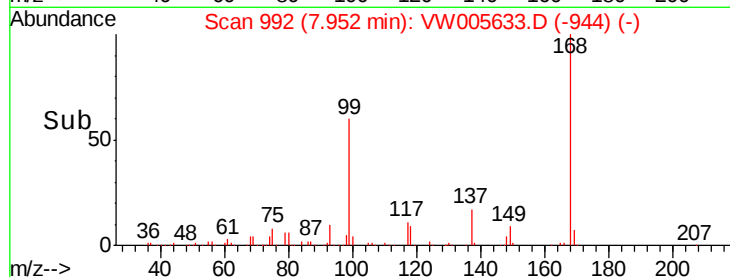
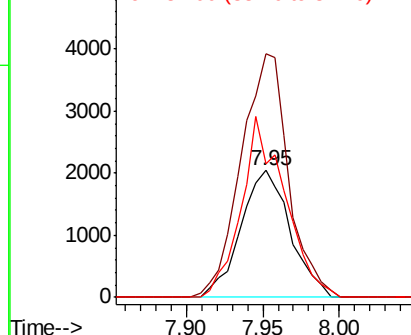


Abundance

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: 38.156 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VW005633.D

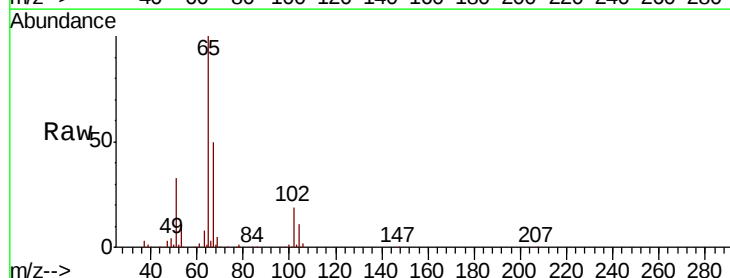
Acq: 26 Sep 2018 02:55

Tgt Ion: 65 Resp: 91448

Ion Ratio Lower Upper

65 100

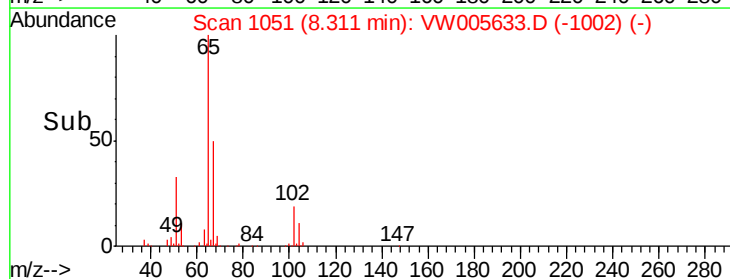
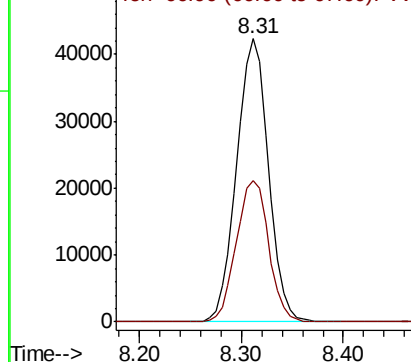
67 50.8 0.0 100.6

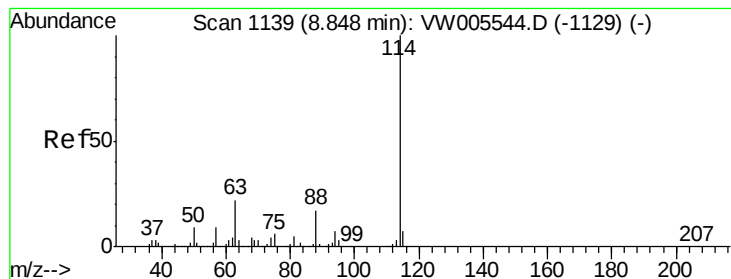


Abundance

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: VW005633.D

Acq: 26 Sep 2018 02:55

Instrument :

MSVOA_W

ClientSampleId :

JC-02-092118-BRE

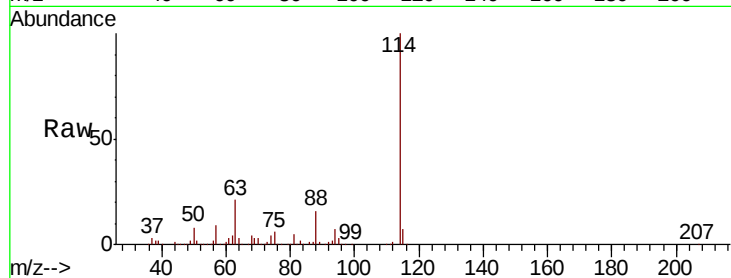
Tgt Ion:114 Resp: 337434

Ion Ratio Lower Upper

114 100

63 20.8 0.0 43.0

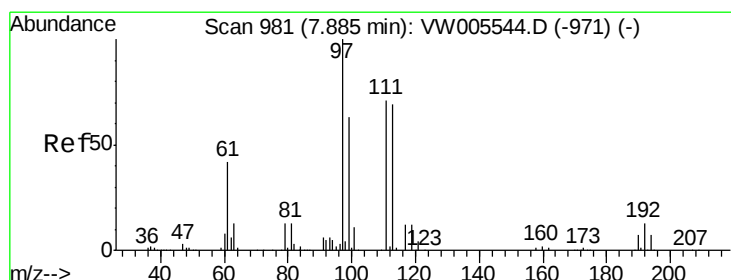
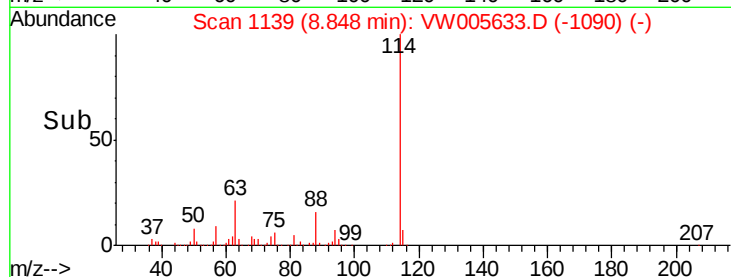
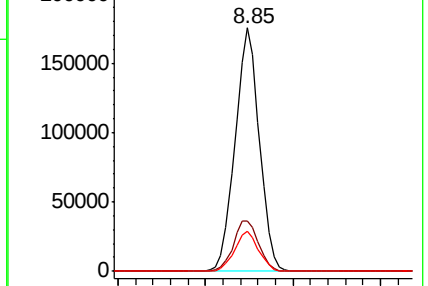
88 16.4 0.0 33.0



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: 35.210 ug/l

RT: 7.89 min Scan# 982

Delta R.T. 0.01 min

Lab File: VW005633.D

Acq: 26 Sep 2018 02:55

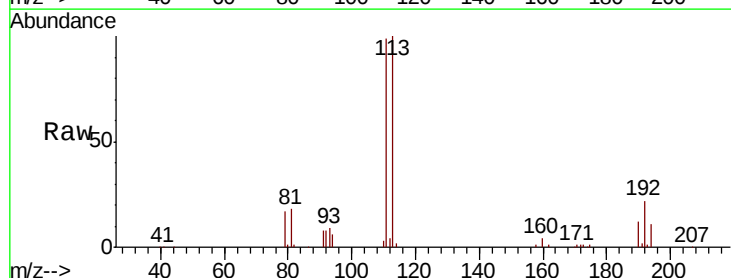
Tgt Ion:113 Resp: 74715

Ion Ratio Lower Upper

113 100

111 103.7 82.6 123.8

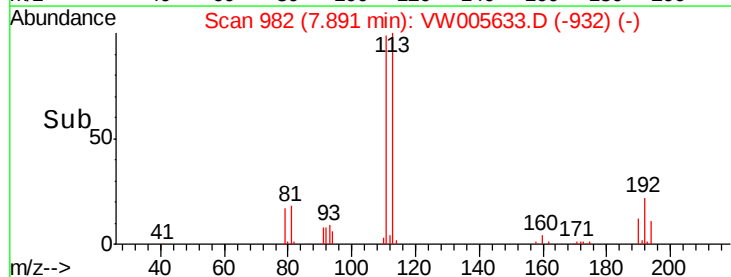
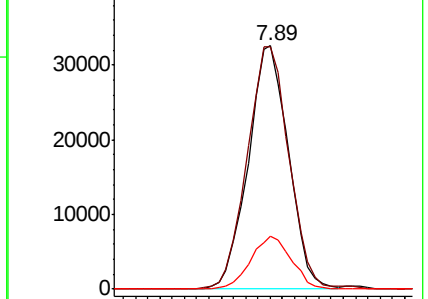
192 21.8 17.0 25.4

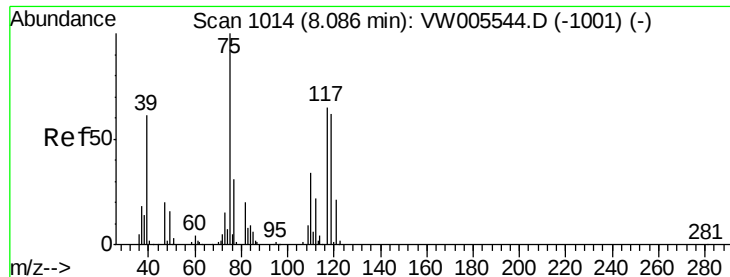


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

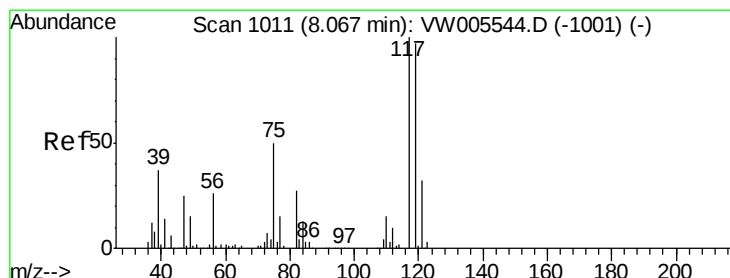
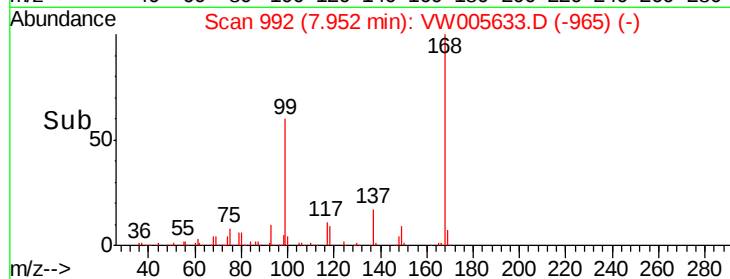
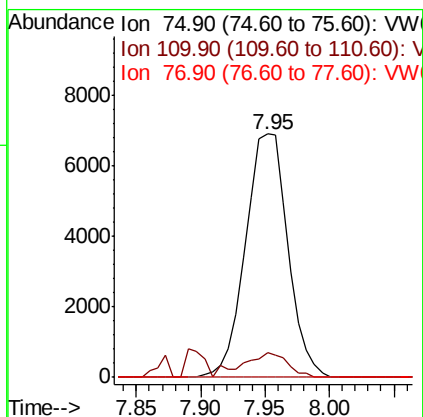
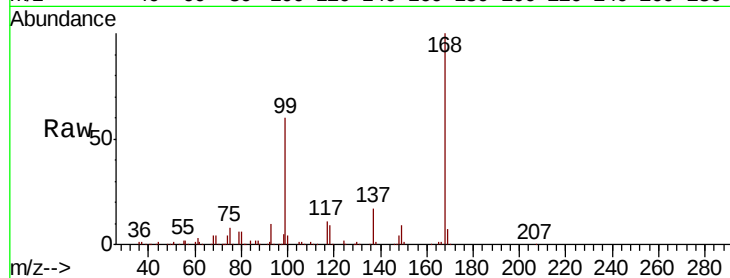




#36
 1,1-Dichloropropene
 Concen: 4.637 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW005633.D
 Acq: 26 Sep 2018 02:55

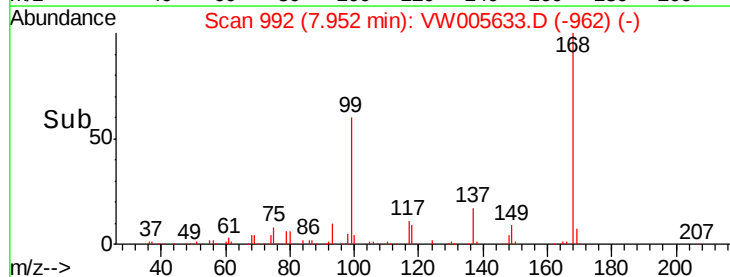
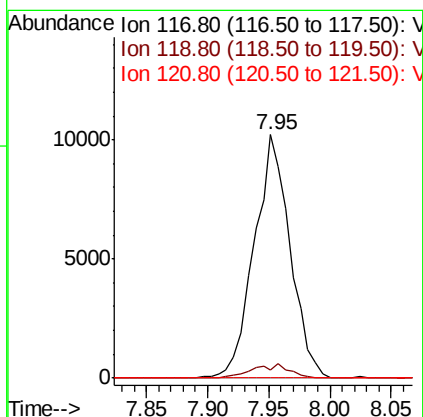
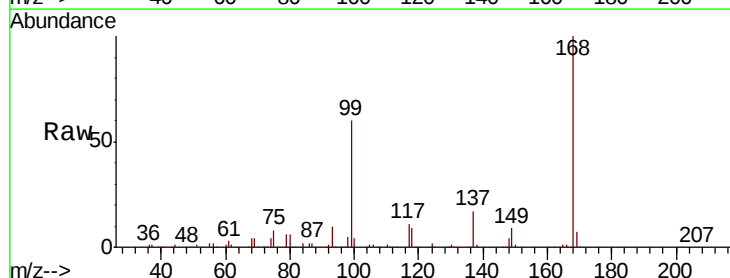
Instrument :
 MSVOA_W
 ClientSampleId :
 JC-02-092118-BRE

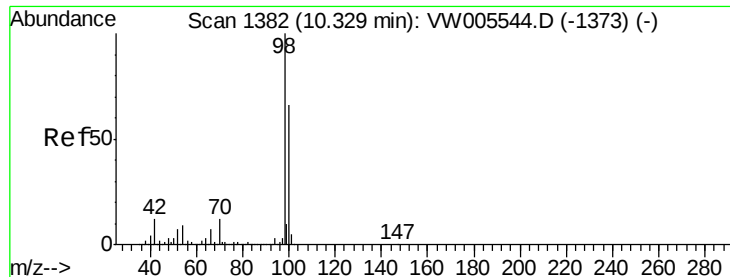
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.5	17.0	50.9#
77	0.0	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 5.719 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.12 min
 Lab File: VW005633.D
 Acq: 26 Sep 2018 02:55

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.4	77.6	116.4#
121	0.0	25.7	38.5#





#50

Toluene-d8

Concen: 17.531 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VW005633.D

Acq: 26 Sep 2018 02:55

Instrument :

MSVOA_W

ClientSampleId :

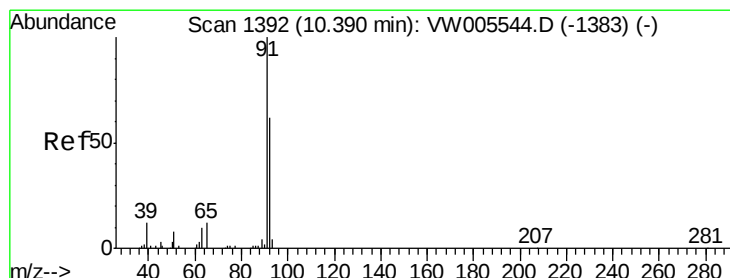
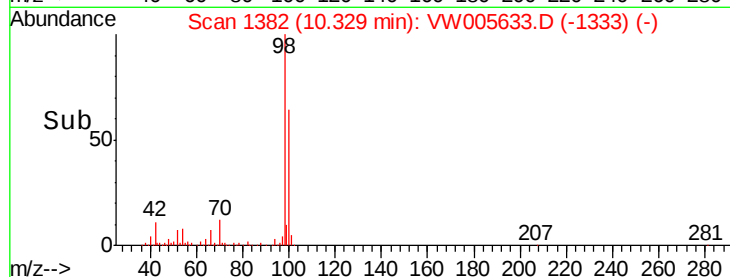
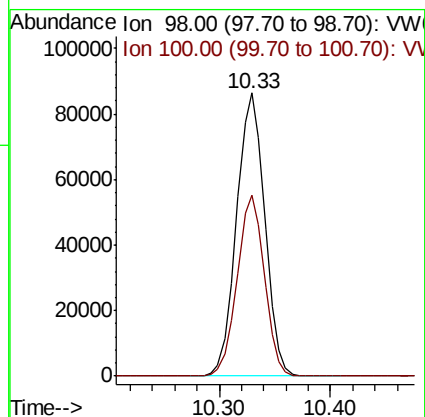
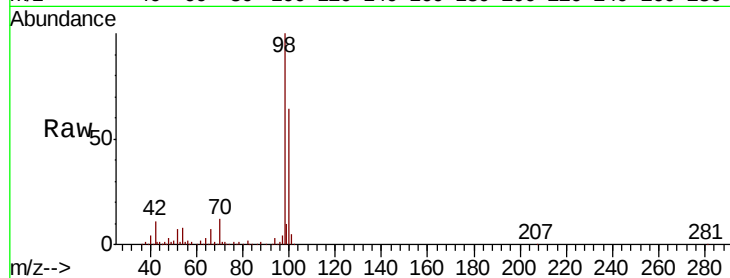
JC-02-092118-BRE

Tgt Ion: 98 Resp: 151472

Ion Ratio Lower Upper

98 100

100 61.7 51.6 77.4



#52

Toluene

Concen: 1.079 ug/l

RT: 10.40 min Scan# 1393

Delta R.T. 0.01 min

Lab File: VW005633.D

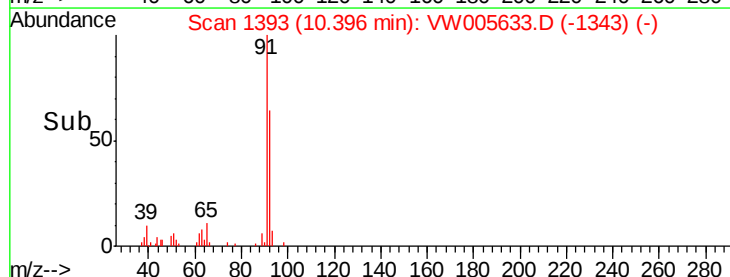
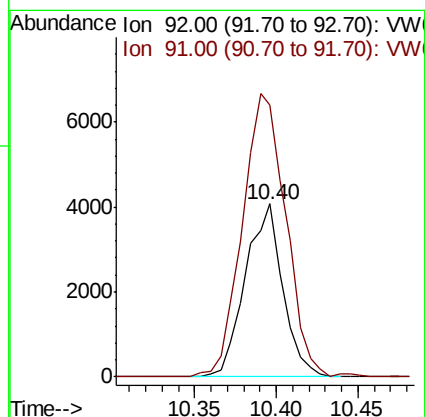
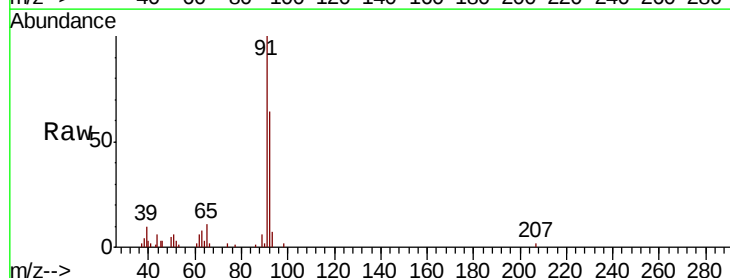
Acq: 26 Sep 2018 02:55

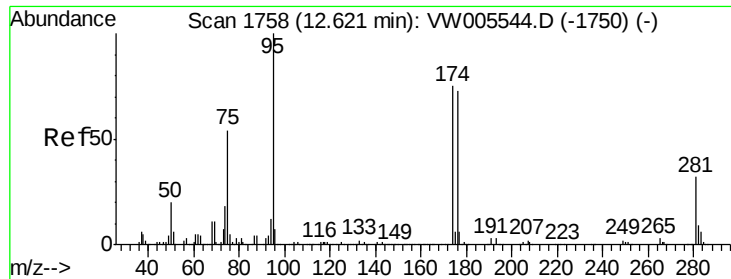
Tgt Ion: 92 Resp: 6481

Ion Ratio Lower Upper

92 100

91 190.6 137.1 205.7





#62

4-Bromofluorobenzene

Concen: 15.879 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW005633.D

Acq: 26 Sep 2018 02:55

Instrument :

MSVOA_W

ClientSampleId :

JC-02-092118-BRE

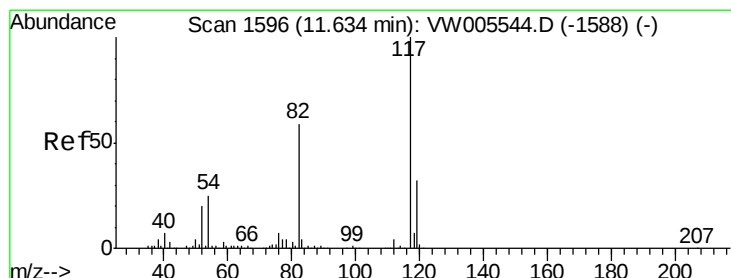
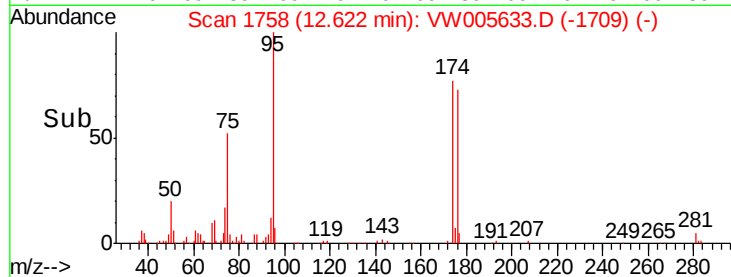
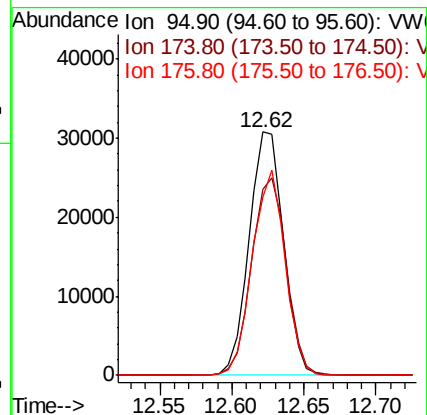
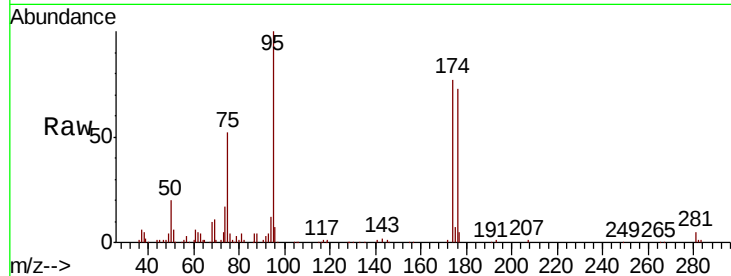
Tgt Ion: 95 Resp: 50767

Ion Ratio Lower Upper

95 100

174 82.0 0.0 163.8

176 80.1 0.0 158.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VW005633.D

Acq: 26 Sep 2018 02:55

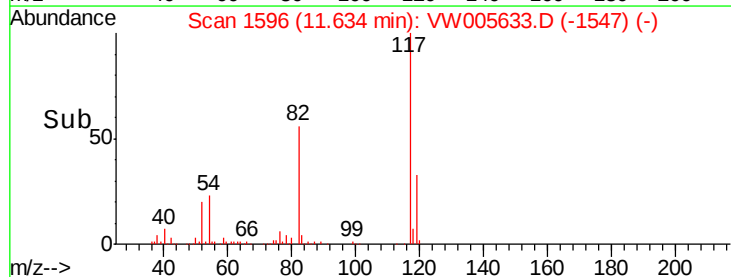
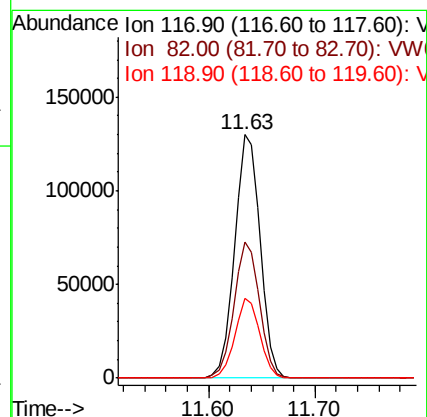
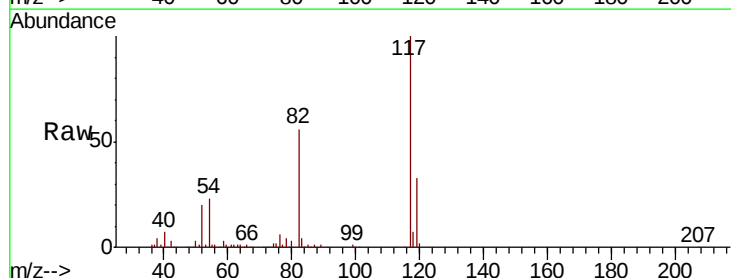
Tgt Ion: 117 Resp: 217993

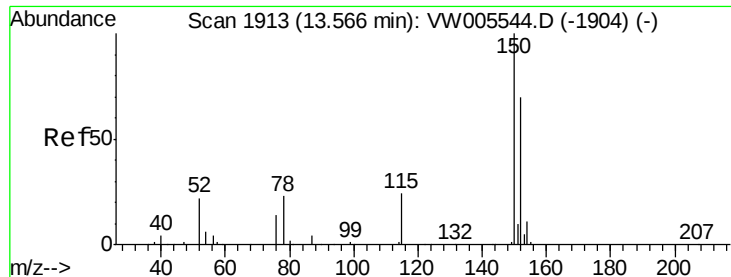
Ion Ratio Lower Upper

117 100

82 55.7 46.9 70.3

119 32.7 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: VW005633.D

Acq: 26 Sep 2018 02:55

Instrument :

MSVOA_W

ClientSampleId :

JC-02-092118-BRE

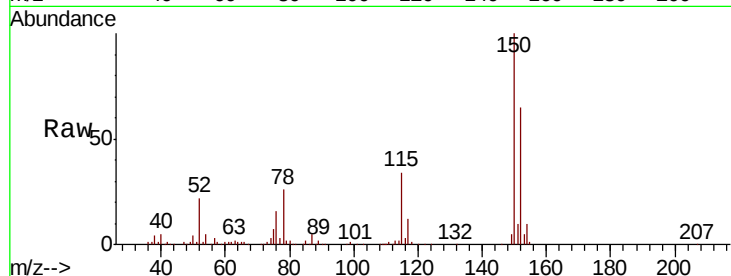
Tgt Ion:152 Resp: 70016

Ion Ratio Lower Upper

152 100

115 56.1 30.0 90.0

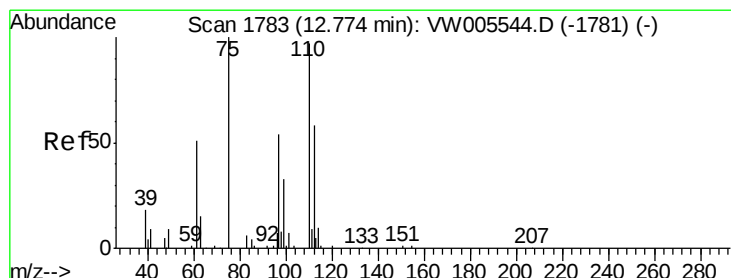
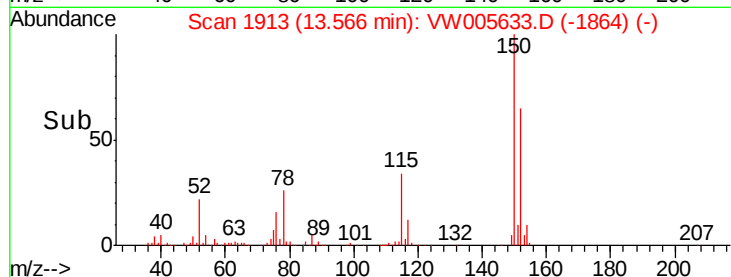
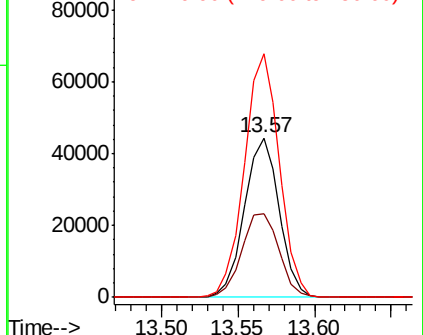
150 153.4 0.0 348.6



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: 42.522 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW005633.D

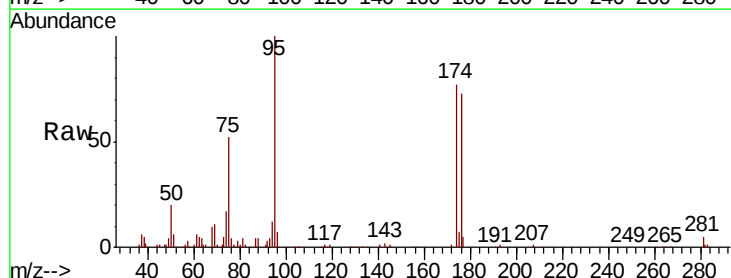
Acq: 26 Sep 2018 02:55

Tgt Ion: 75 Resp: 25379

Ion Ratio Lower Upper

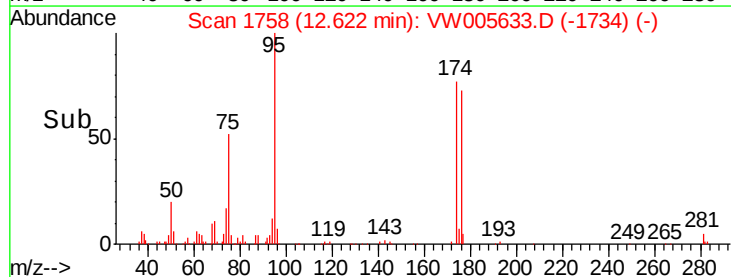
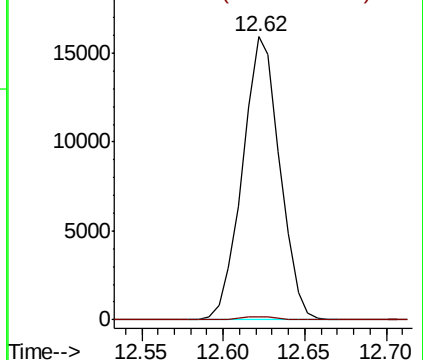
75 100

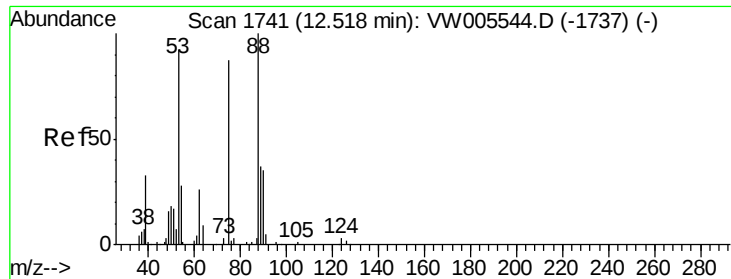
77 1.0 0.0 0.0#



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: 95.773 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW005633.D

Acq: 26 Sep 2018 02:55

Instrument :

MSVOA_W

ClientSampleId :

JC-02-092118-BRE

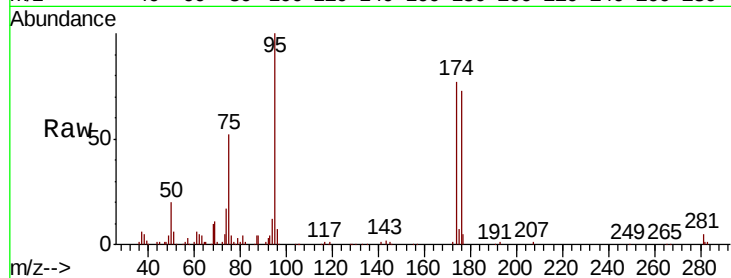
Tgt Ion: 75 Resp: 25379

Ion Ratio Lower Upper

75 100

53 0.3 85.8 128.6#

89 0.0 37.3 55.9#



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

