

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW092518\
 Data File : VW005637.D
 Acq On : 26 Sep 2018 04:38
 Operator : VA/AP
 Sample : J4770-11RE
 Misc : 6.21G/5ML/MSVOA_W/SOIL
 ALS Vial : 43 Sample Multiplier: 1

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

Quant Time: Sep 26 05:54:00 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	196975	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	295470	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	68967	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	71082	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	80892	34.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	69.72%	
35) Dibromofluoromethane	7.89	113	65761	35.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	70.78%	
50) Toluene-d8	10.33	98	34614	4.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.16%	
62) 4-Bromofluorobenzene	12.62	95	32783	11.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	23.42%	

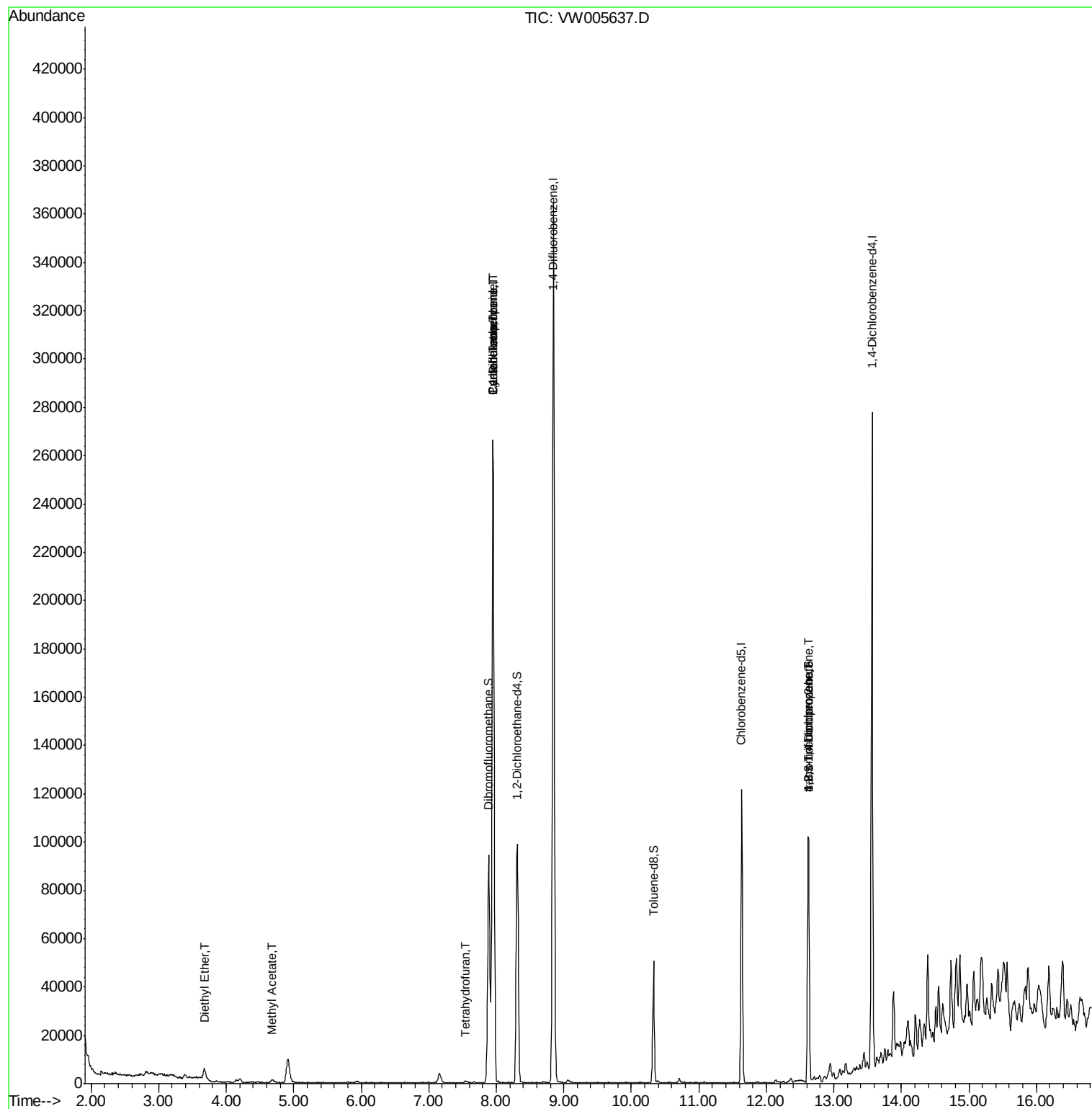
Target Compounds					Qvalue	
8) Diethyl Ether	3.68	74	2246	2.323	ug/l	93
11) Tert butyl alcohol	5.25	59	86	Below Cal	#	72
16) Acetone	4.14	43	2003	Below Cal		90
18) Methyl Acetate	4.68	43	2589	2.354	ug/l #	87
20) Methylene Chloride	4.92	84	8268	Below Cal		90
29) Tetrahydrofuran	7.54	42	431	1.224	ug/l #	67
31) Cyclohexane	7.95	56	4241	1.179	ug/l #	18
36) 1,1-Dichloropropene	7.96	75	15090	5.073	ug/l #	51
38) Carbon Tetrachloride	7.95	117	19675	6.173	ug/l #	16
76) 1,2,3-Trichloropropane	12.62	75	16441	27.134	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	16441	61.113	ug/l #	7

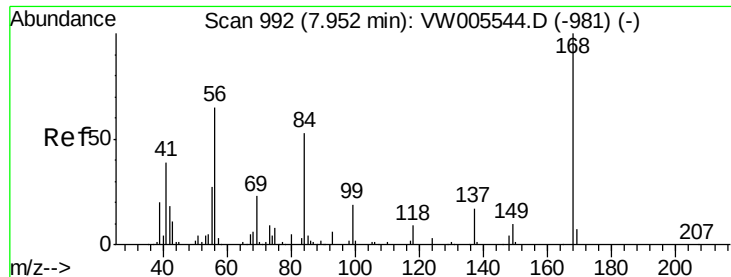
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW005637.D

Acq: 26 Sep 2018 04:38

Instrument :

MSVOA_W

ClientSampleId :

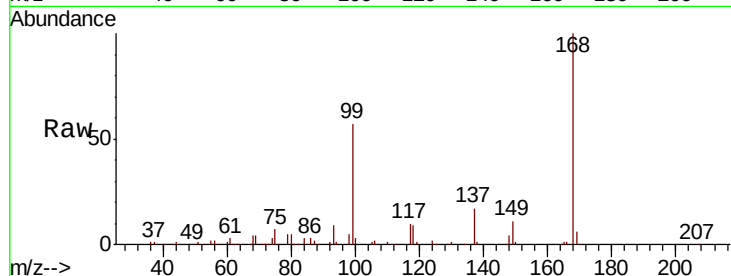
JC-02-092118-FRE

Tgt Ion:168 Resp: 196975

Ion Ratio Lower Upper

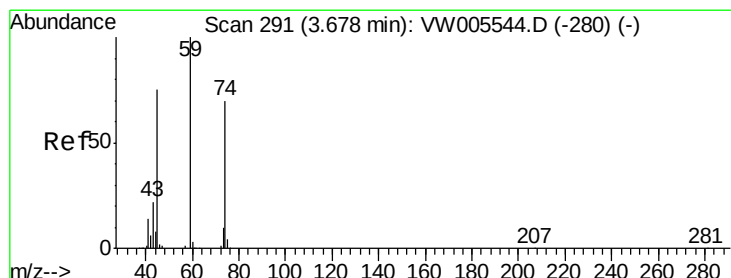
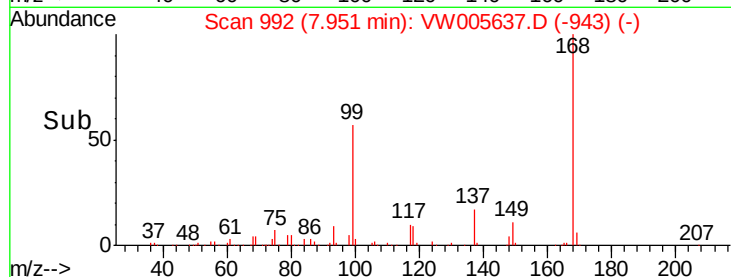
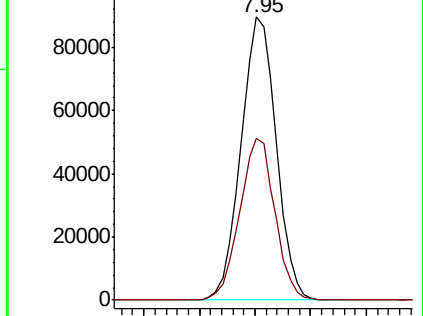
168 100

99 57.1 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: 2.323 ug/l

RT: 3.68 min Scan# 292

Delta R.T. 0.01 min

Lab File: VW005637.D

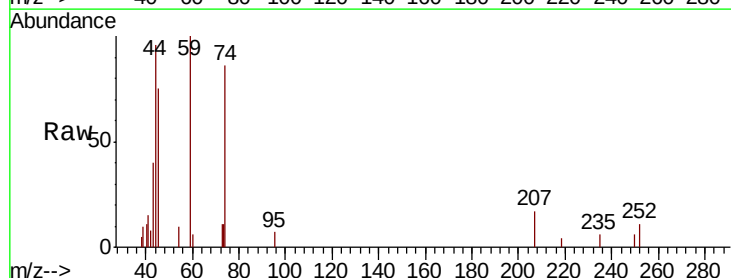
Acq: 26 Sep 2018 04:38

Tgt Ion: 74 Resp: 2246

Ion Ratio Lower Upper

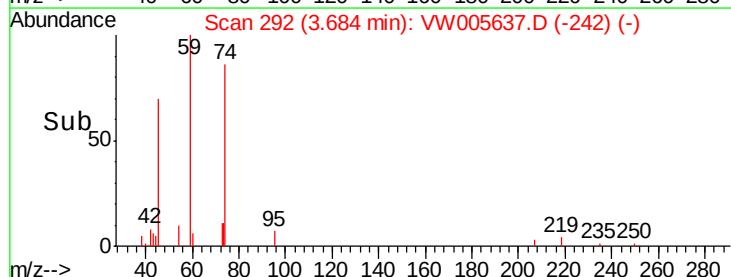
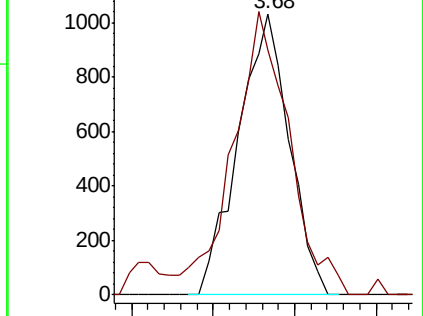
74 100

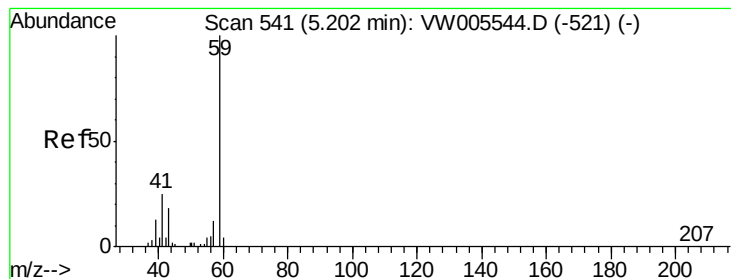
45 110.6 51.7 155.2



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW



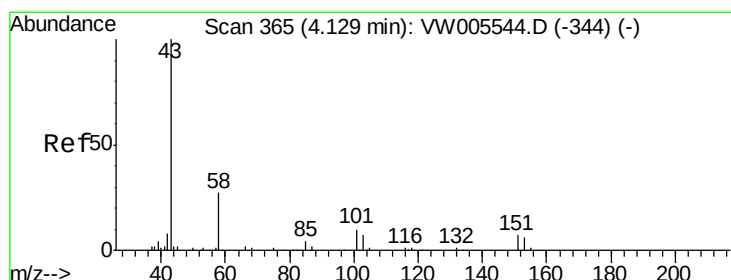
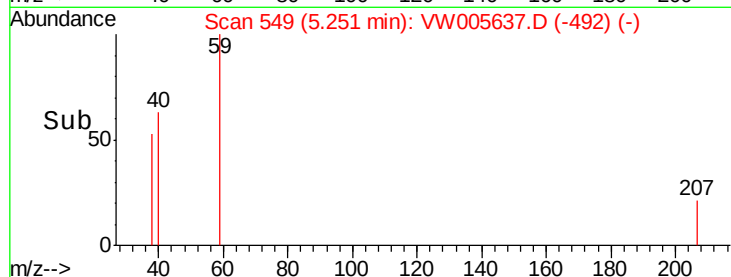
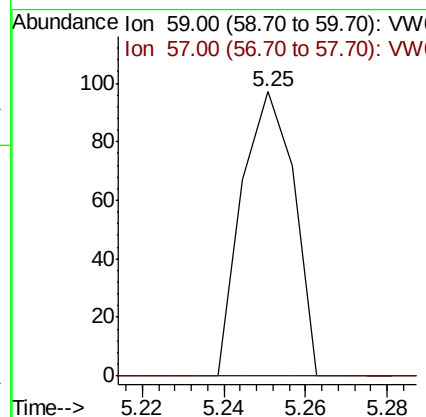
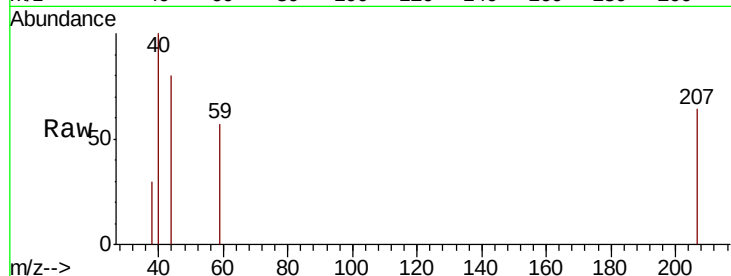


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.25 min Scan# 549
 Delta R.T. 0.05 min
 Lab File: VW005637.D
 Acq: 26 Sep 2018 04:38

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

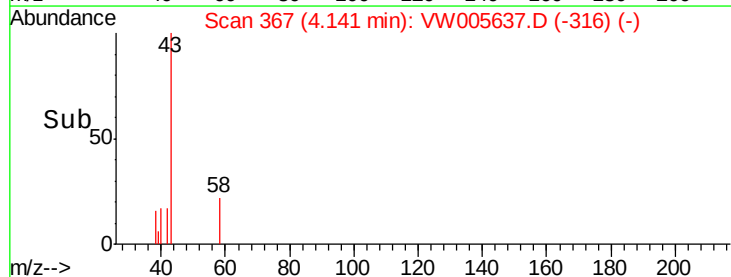
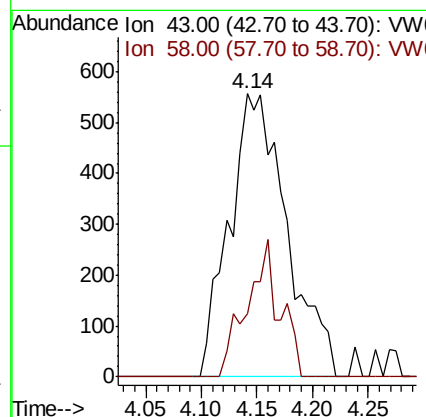
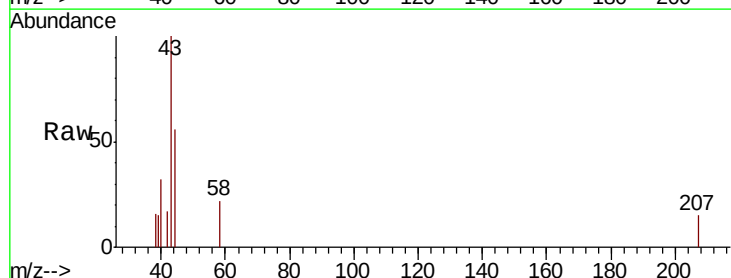
Tgt Ion: 59 Resp: 86
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#

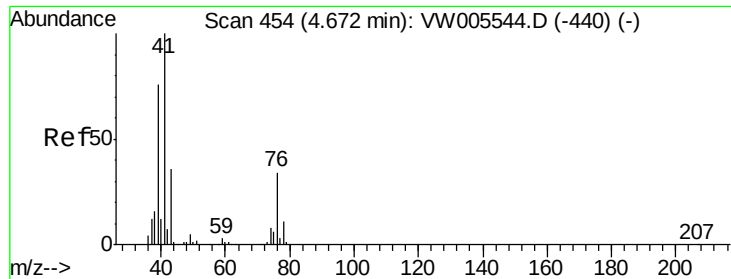


#16

Acetone
 Concen: Below Cal
 RT: 4.14 min Scan# 367
 Delta R.T. 0.01 min
 Lab File: VW005637.D
 Acq: 26 Sep 2018 04:38

Tgt Ion: 43 Resp: 2003
 Ion Ratio Lower Upper
 43 100
 58 22.1 21.8 32.8

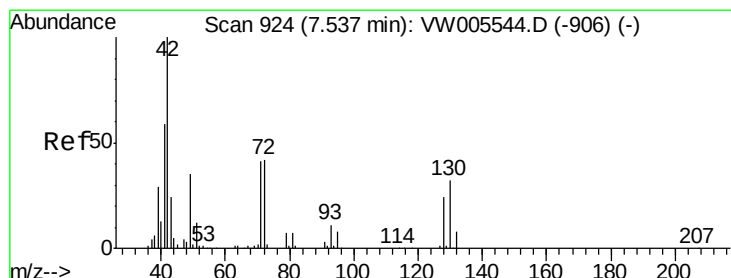
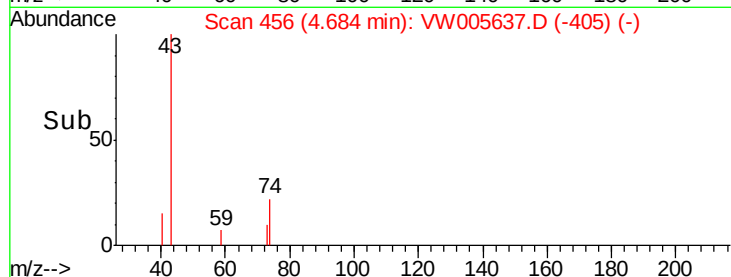
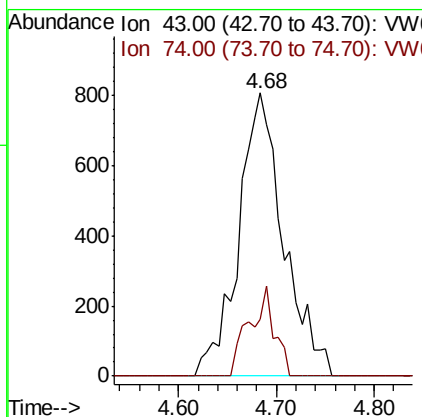
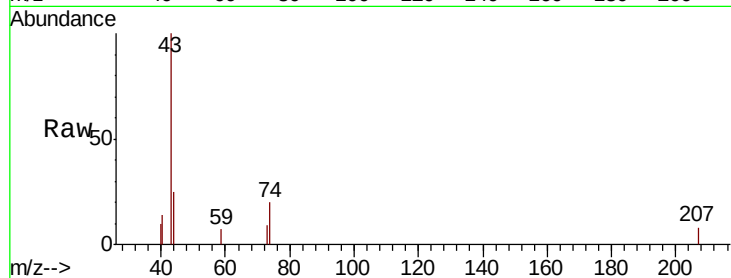




#18
Methyl Acetate
Concen: 2.354 ug/l
RT: 4.68 min Scan# 456
Delta R.T. 0.01 min
Lab File: VW005637.D
Acq: 26 Sep 2018 04:38

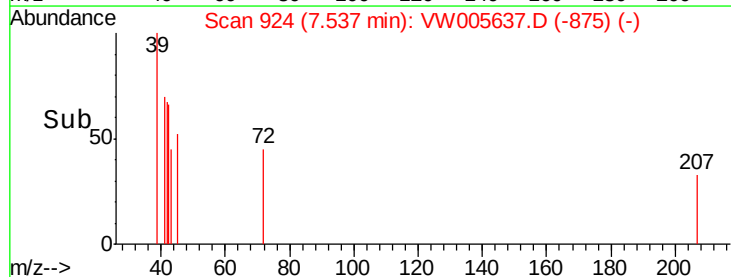
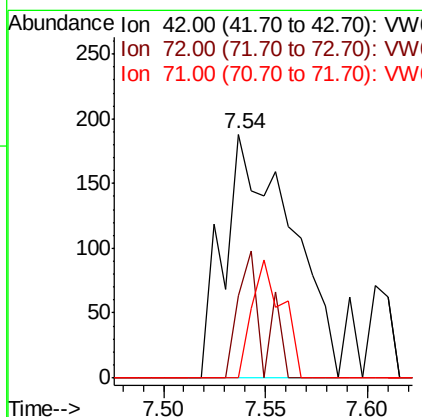
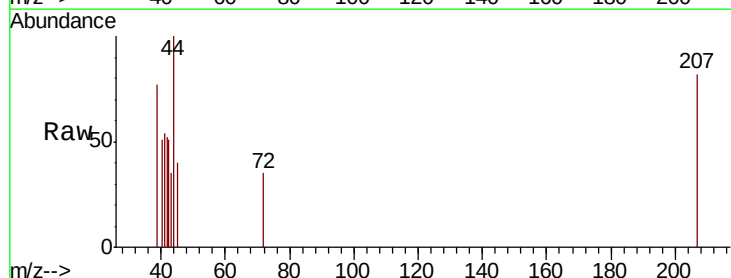
Instrument :
MSVOA_W
ClientSampleId :
JC-02-092118-FRE

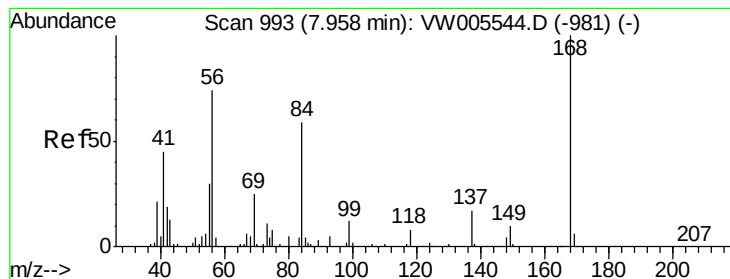
Tgt Ion: 43 Resp: 2589
Ion Ratio Lower Upper
43 100
74 17.6 19.2 28.8#



#29
Tetrahydrofuran
Concen: 1.224 ug/l
RT: 7.54 min Scan# 924
Delta R.T. -0.00 min
Lab File: VW005637.D
Acq: 26 Sep 2018 04:38

Tgt Ion: 42 Resp: 431
Ion Ratio Lower Upper
42 100
72 19.3 33.6 50.4#
71 21.8 31.8 47.6#





#31

Cyclohexane

Concen: 1.179 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW005637.D

Acq: 26 Sep 2018 04:38

Instrument :

MSVOA_W

ClientSampleId :

JC-02-092118-FRE

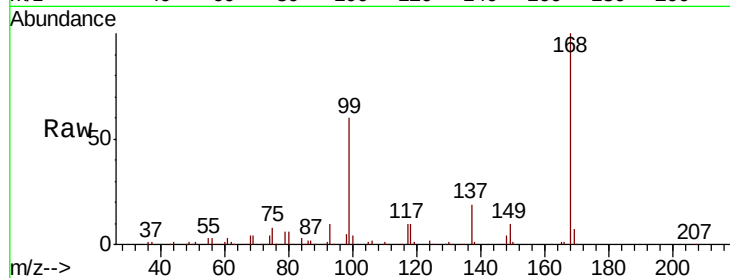
Tgt Ion: 56 Resp: 4241

Ion Ratio Lower Upper

56 100

69 162.7 27.0 40.4#

84 98.7 64.2 96.4#

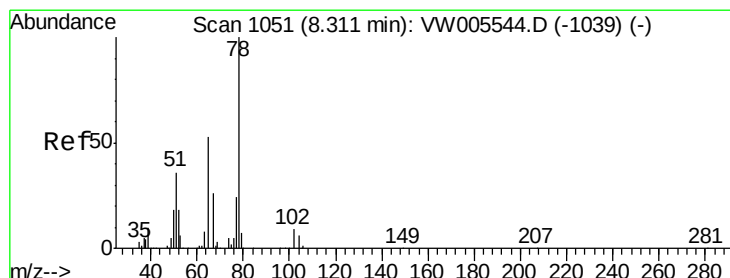
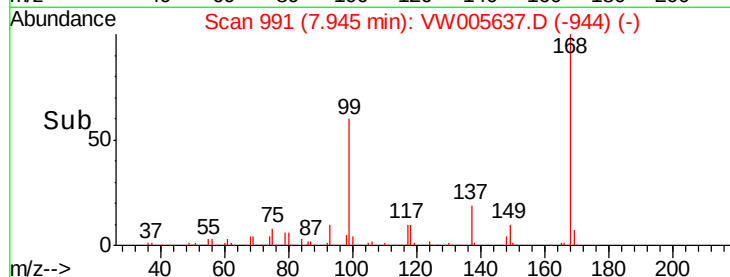
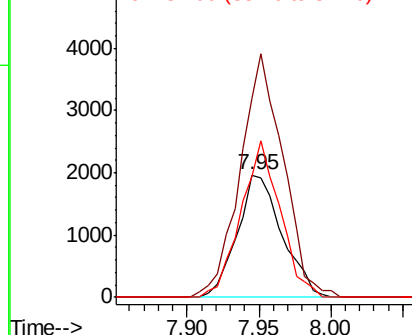


Abundance

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: 34.860 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VW005637.D

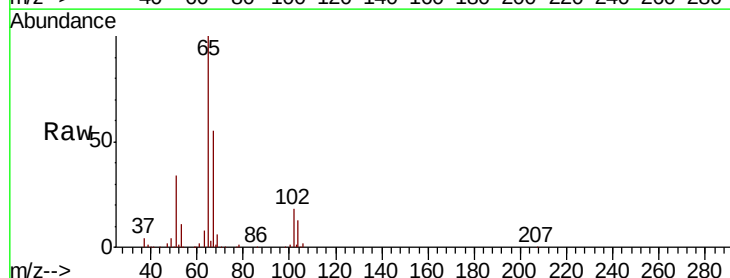
Acq: 26 Sep 2018 04:38

Tgt Ion: 65 Resp: 80892

Ion Ratio Lower Upper

65 100

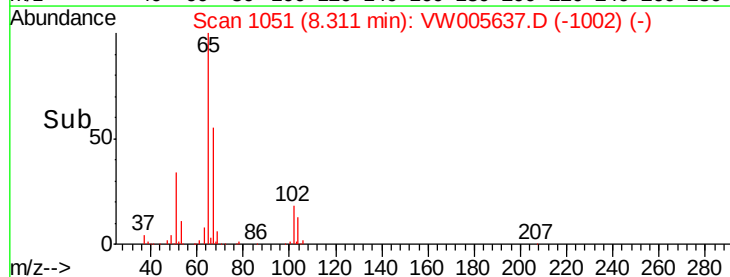
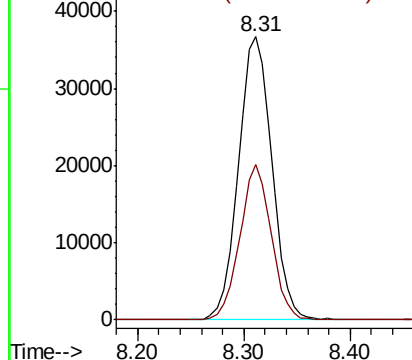
67 51.5 0.0 100.6

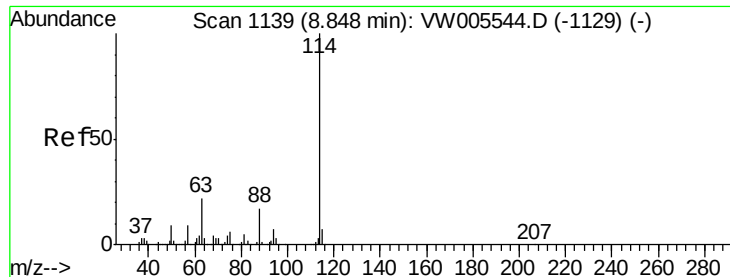


Abundance

Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

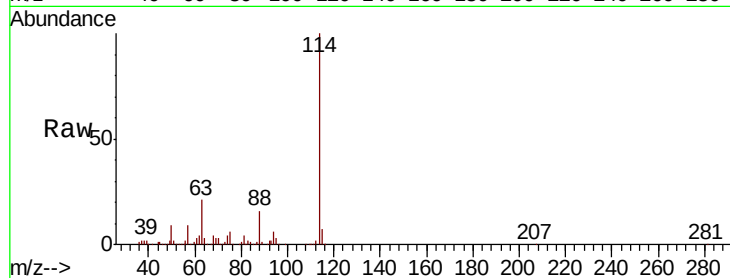




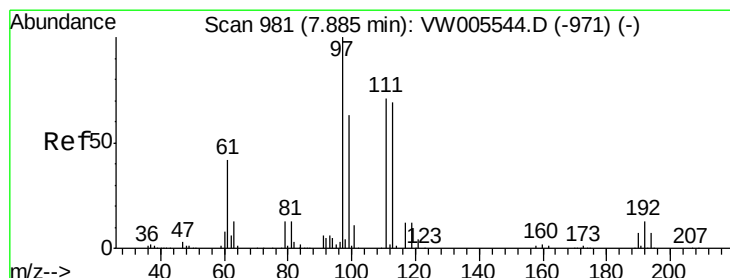
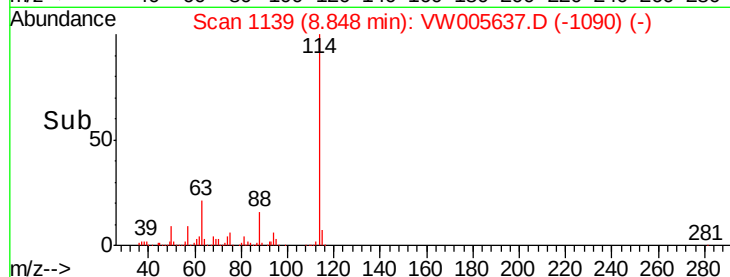
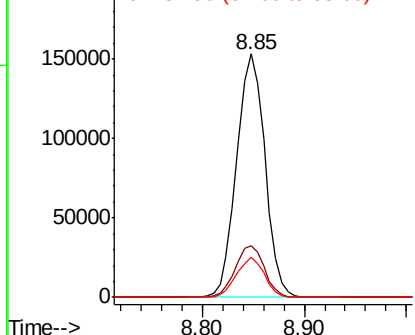
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW005637.D
 Acq: 26 Sep 2018 04:38

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

Tgt Ion:114 Resp: 295470
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 43.0
 88 16.4 0.0 33.0

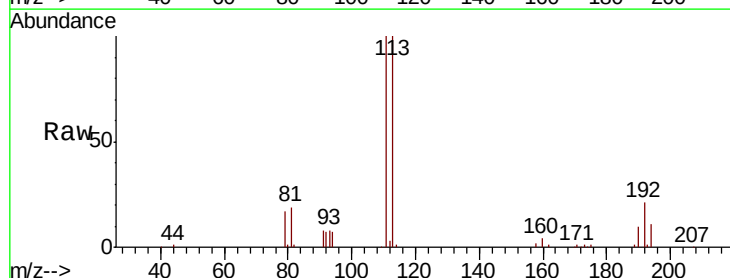


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

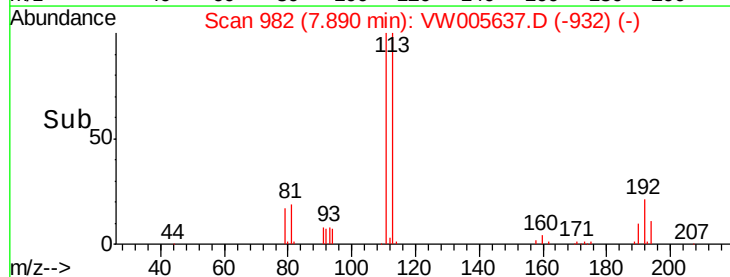
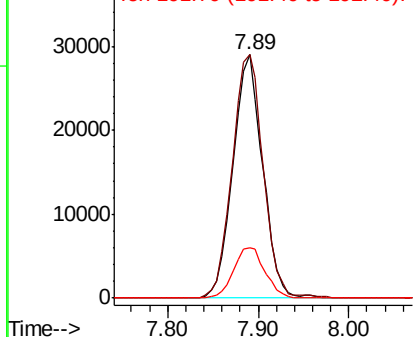


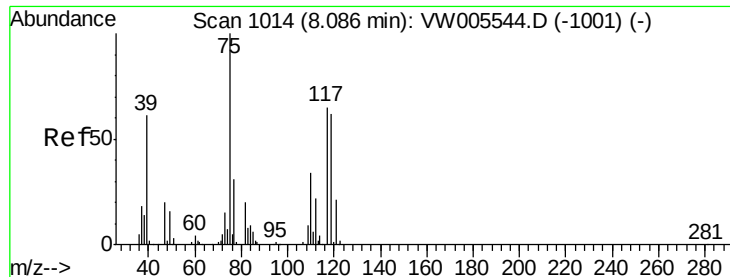
#35
 Dibromofluoromethane
 Concen: 35.392 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. 0.01 min
 Lab File: VW005637.D
 Acq: 26 Sep 2018 04:38

Tgt Ion:113 Resp: 65761
 Ion Ratio Lower Upper
 113 100
 111 104.3 82.6 123.8
 192 21.9 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

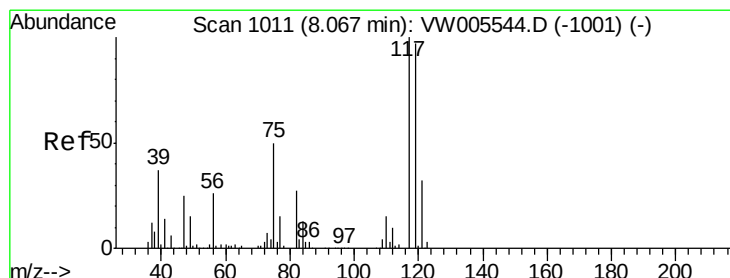
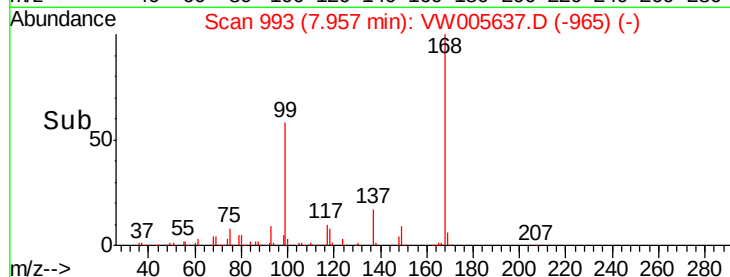
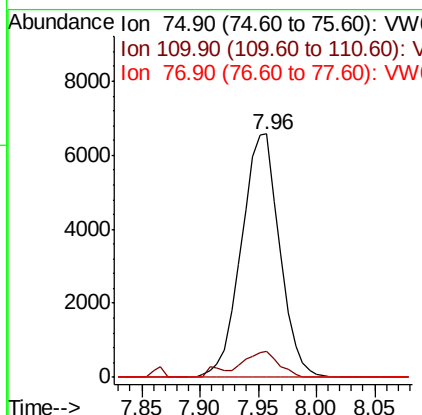
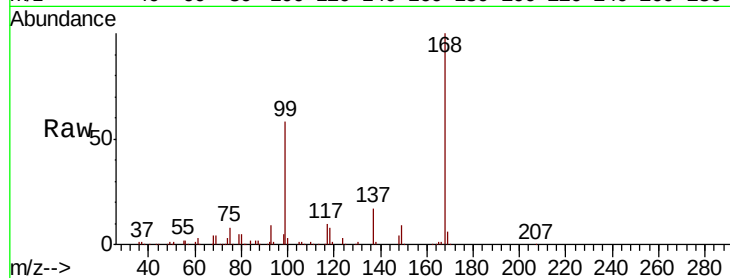




#36
 1,1-Dichloropropene
 Concen: 5.073 ug/l
 RT: 7.96 min Scan# 993
 Delta R.T. -0.13 min
 Lab File: VW005637.D
 Acq: 26 Sep 2018 04:38

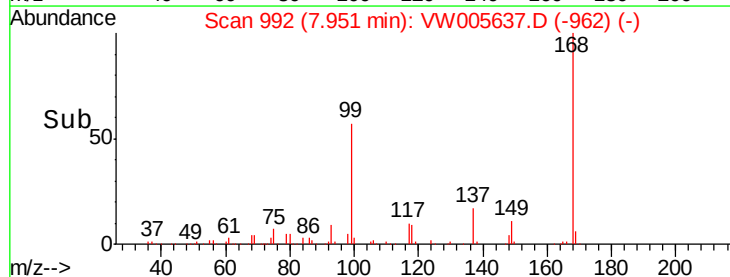
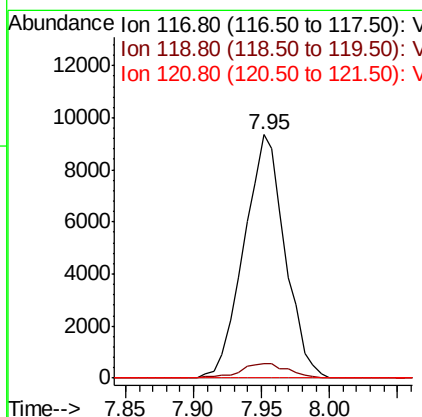
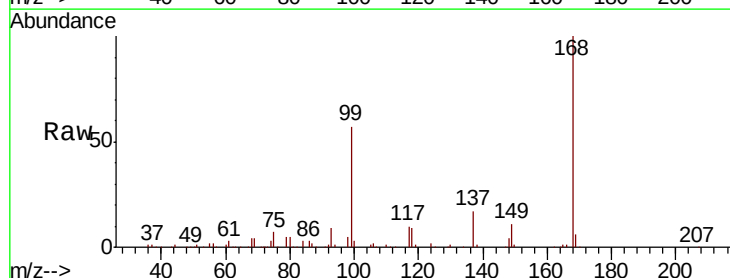
Instrument :
 MSVOA_W
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 JC-02-092118-FRE

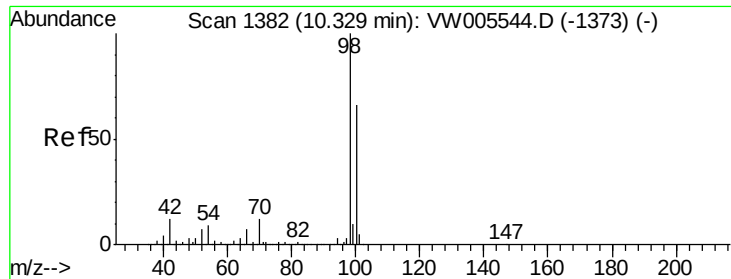
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.6	17.0	50.9#
77	0.0	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 6.173 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.12 min
 Lab File: VW005637.D
 Acq: 26 Sep 2018 04:38

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.0	77.6	116.4#
121	0.0	25.7	38.5#





#50

Toluene-d8

Concen: 4.575 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW005637.D

Acq: 26 Sep 2018 04:38

Instrument :

MSVOA_W

ClientSampleId :

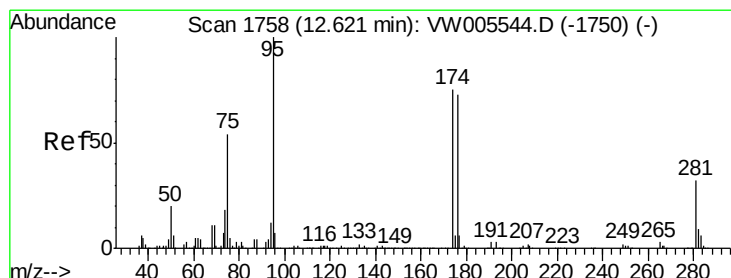
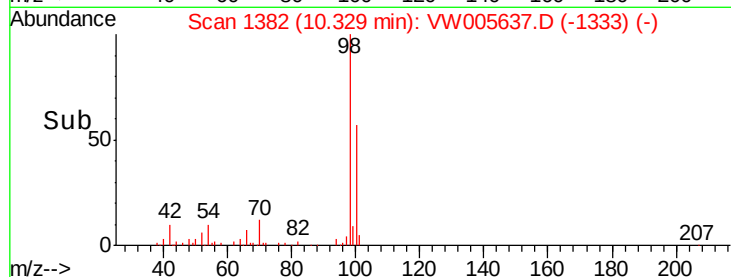
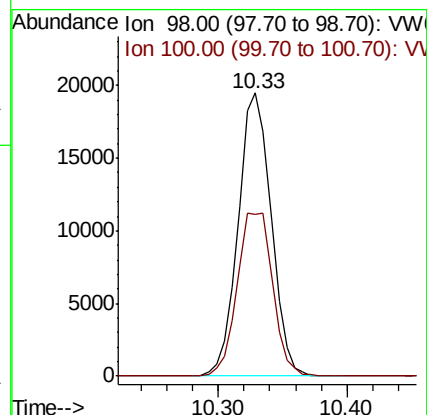
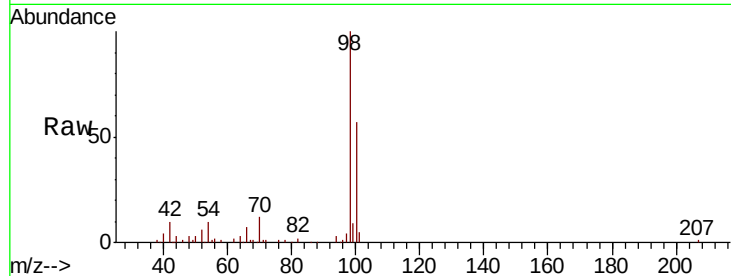
JC-02-092118-FRE

Tgt Ion: 98 Resp: 34614

Ion Ratio Lower Upper

98 100

100 62.2 51.6 77.4



#62

4-Bromofluorobenzene

Concen: 11.710 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW005637.D

Acq: 26 Sep 2018 04:38

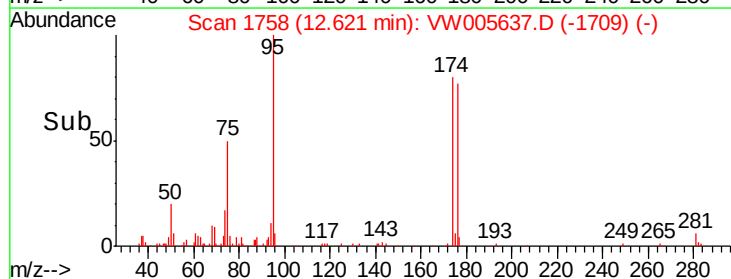
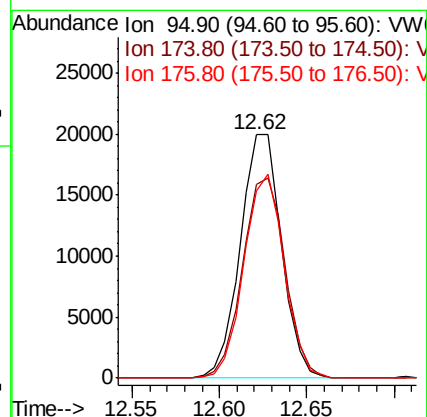
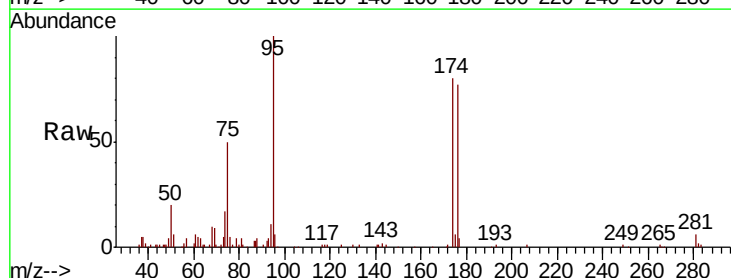
Tgt Ion: 95 Resp: 32783

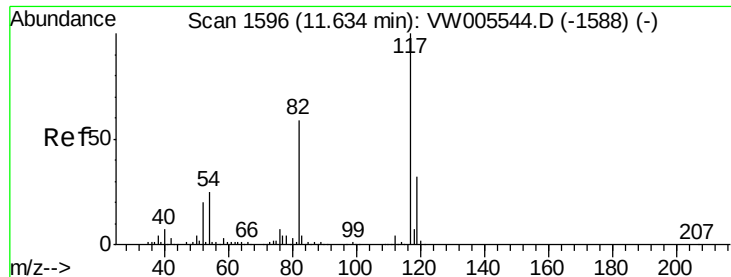
Ion Ratio Lower Upper

95 100

174 84.8 0.0 163.8

176 81.8 0.0 158.0

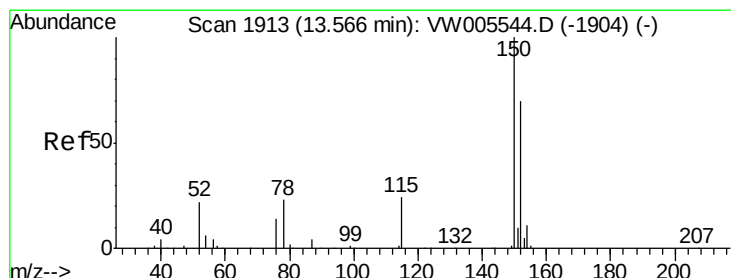
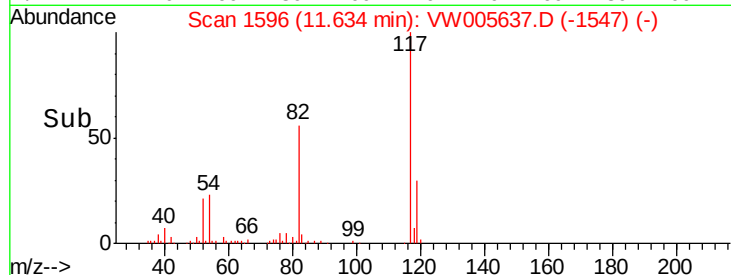
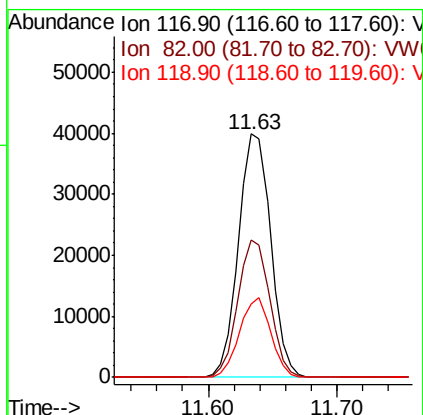
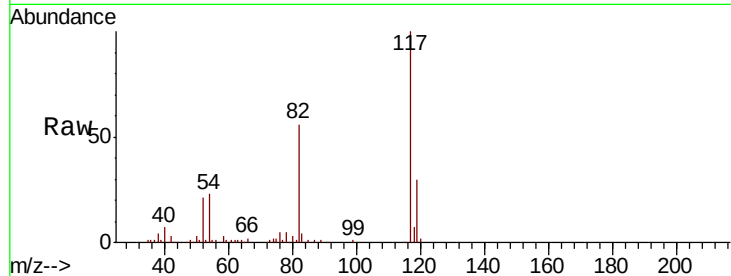




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW005637.D
Acq: 26 Sep 2018 04:38

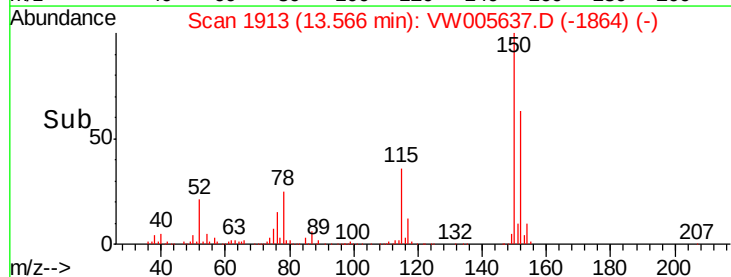
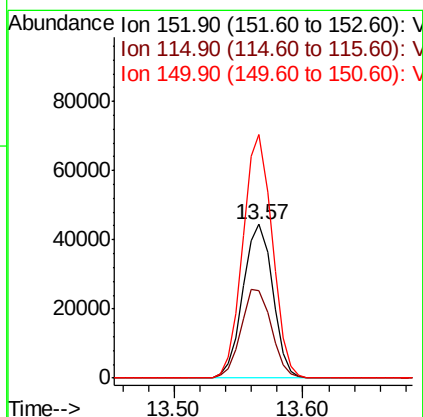
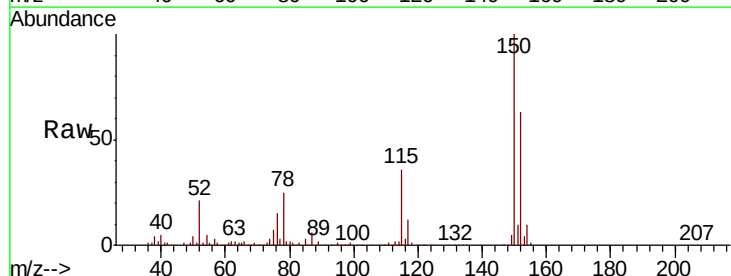
Instrument :
MSVOA_W
ClientSampleId :
JC-02-092118-FRE

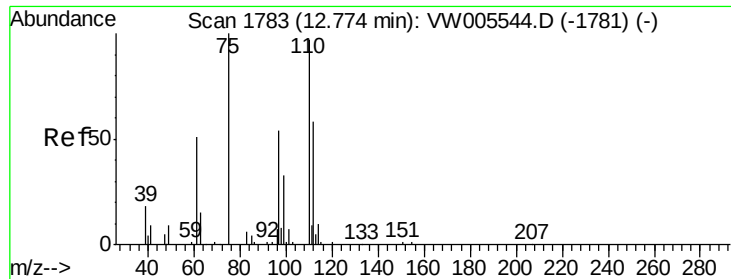
Tgt Ion:117 Resp: 68967
Ion Ratio Lower Upper
117 100
82 56.4 46.9 70.3
119 30.2 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. -0.00 min
Lab File: VW005637.D
Acq: 26 Sep 2018 04:38

Tgt Ion:152 Resp: 71082
Ion Ratio Lower Upper
152 100
115 58.9 30.0 90.0
150 155.7 0.0 348.6





#76

1,2,3-Trichloropropane

Concen: 27.134 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW005637.D

Acq: 26 Sep 2018 04:38

Instrument :

MSVOA_W

ClientSampleId :

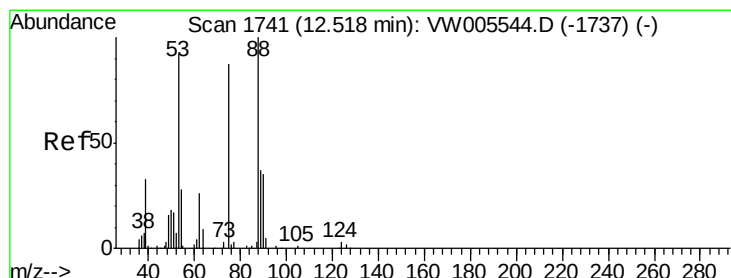
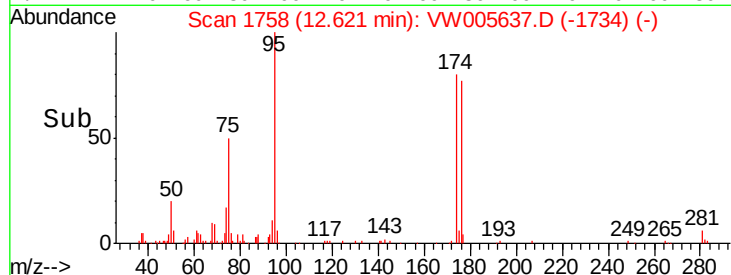
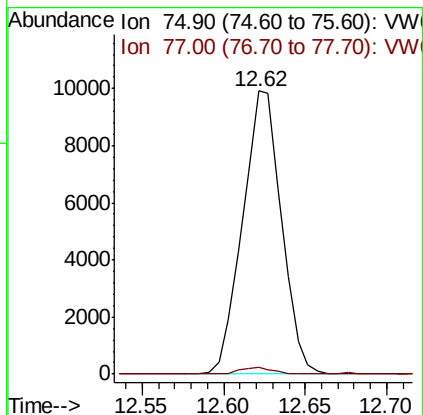
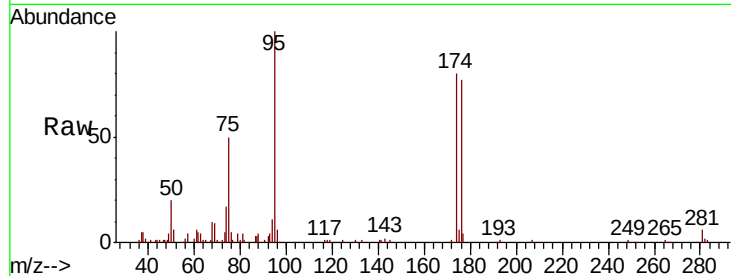
JC-02-092118-FRE

Tgt Ion: 75 Resp: 16441

Ion Ratio Lower Upper

75 100

77 2.0 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 61.113 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW005637.D

Acq: 26 Sep 2018 04:38

Tgt Ion: 75 Resp: 16441

Ion Ratio Lower Upper

75 100

53 0.2 85.8 128.6#

89 0.0 37.3 55.9#

