

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW021519\
 Data File : VW008698.D
 Acq On : 15 Feb 2019 21:20
 Operator : SY/VA
 Sample : K1515-09
 Misc : 5.52G/5ML/MSVOA W/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Feb 16 00:37:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W021319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 14 04:06:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	367825	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	563928	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	505449	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	250231	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	216262	56.55	ug/l	0.00
Spiked Amount						
			Recovery	=	113.10%	
35) Dibromofluoromethane	7.88	113	180096	51.43	ug/l	0.00
Spiked Amount						
			Recovery	=	102.86%	
50) Toluene-d8	10.32	98	674880	50.00	ug/l	0.00
Spiked Amount						
			Recovery	=	100.00%	
62) 4-Bromofluorobenzene	12.62	95	235604	46.34	ug/l	0.00
Spiked Amount						
			Recovery	=	92.68%	

Target Compounds

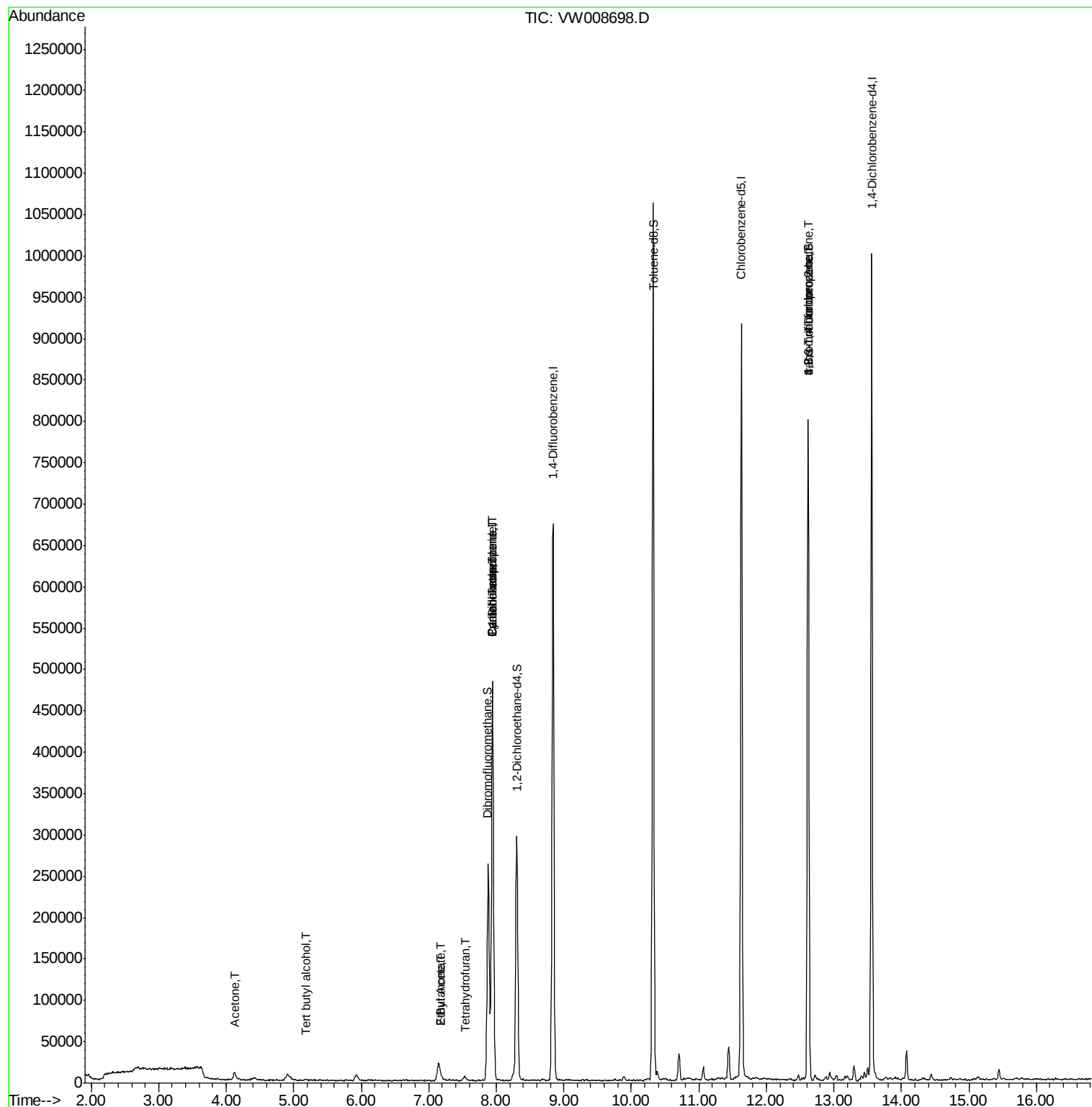
					Qvalue	
11) Tert butyl alcohol	5.18	59	566	1.850	ug/l #	39
16) Acetone	4.12	43	16950	19.479	ug/l	91
20) Methylene Chloride	4.90	84	5725	Below Cal	#	91
25) 2-Butanone	7.18	43	4919	4.003	ug/l #	87
29) Tetrahydrofuran	7.54	42	3642	4.497	ug/l #	91
31) Cyclohexane	7.94	56	8203	1.173	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	27365	4.830	ug/l #	49
37) Ethyl Acetate	7.18	43	4919	1.800	ug/l #	71
38) Carbon Tetrachloride	7.95	117	36500	6.479	ug/l #	16
76) 1,2,3-Trichloropropane	12.62	75	126485	51.190	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	126485	109.695	ug/l #	6

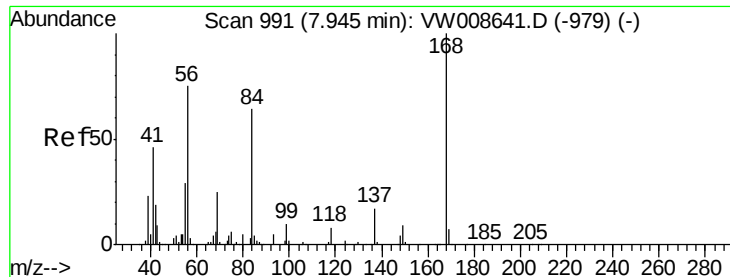
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W021319S.M
Quant Title : SW846 8260
QLast Update : Thu Feb 14 04:06:50 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW008698.D

Acq: 15 Feb 2019 21:20

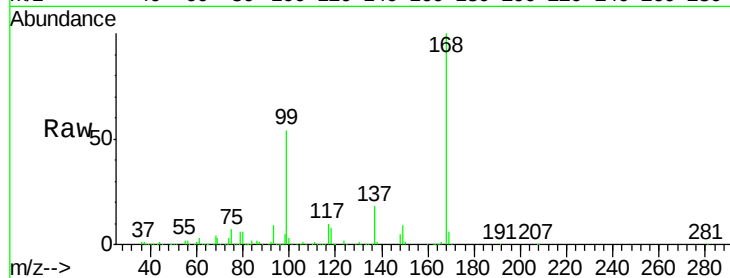
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 367825

Ion Ratio Lower Upper

168 100

99 54.3 42.8 64.2



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

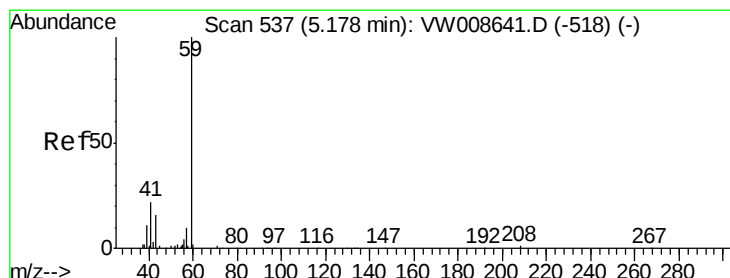
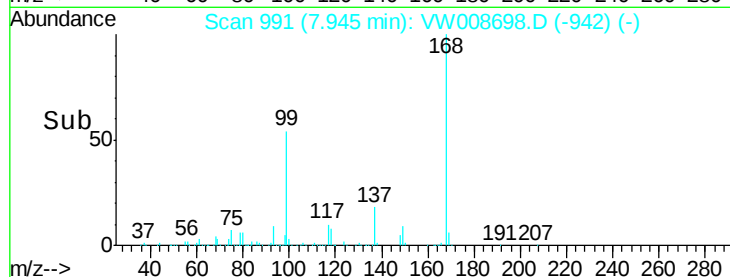
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 1.850 ug/l

RT: 5.18 min Scan# 537

Delta R.T. -0.00 min

Lab File: VW008698.D

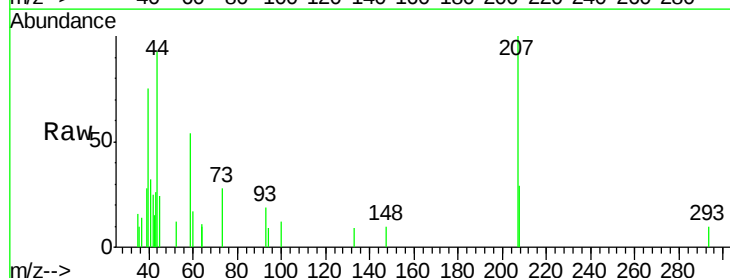
Acq: 15 Feb 2019 21:20

Tgt Ion: 59 Resp: 566

Ion Ratio Lower Upper

59 100

57 33.2 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.18

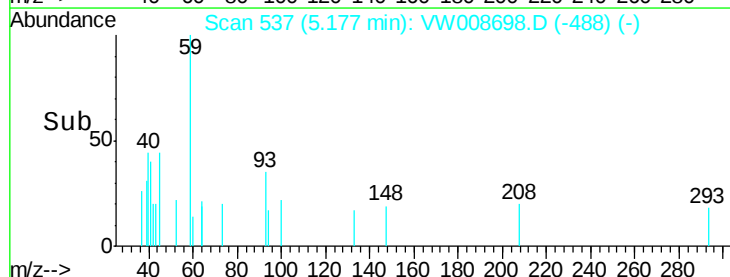
300

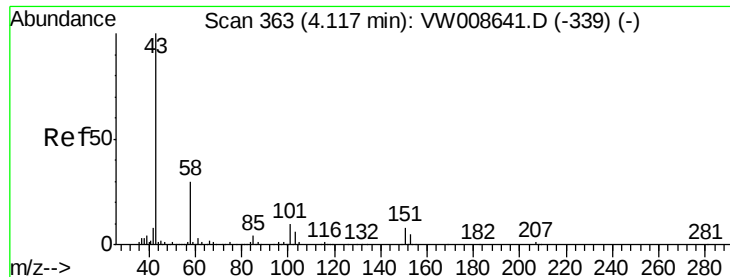
200

100

0

Time-->





#16

Acetone

Concen: 19.479 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW008698.D

Acq: 15 Feb 2019 21:20

Instrument :

MSVOA_W

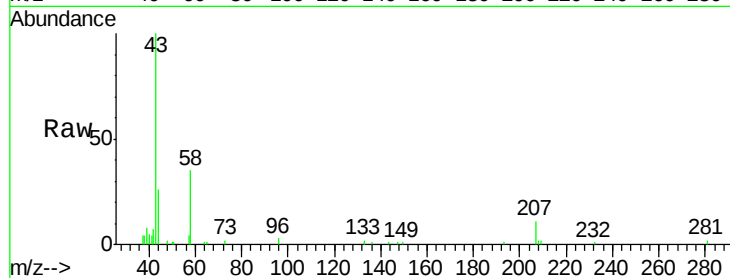
ClientSampleId :

Tot Ion: 43 Resp: 16950

Ion Ratio Lower Upper

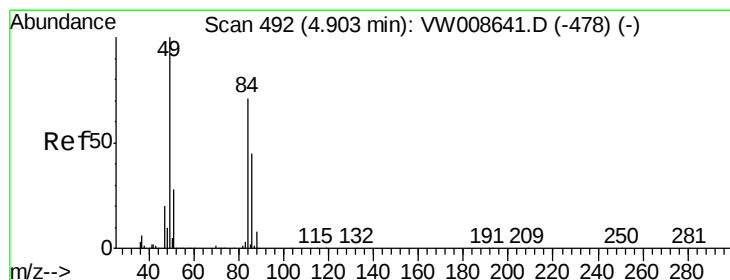
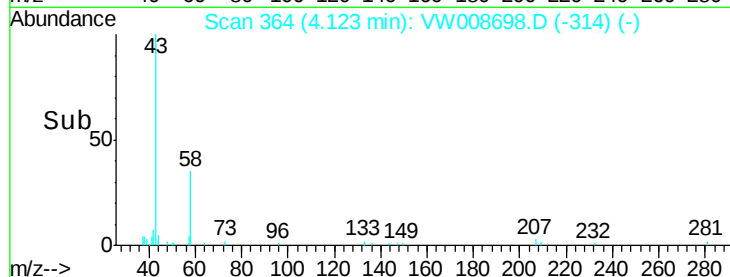
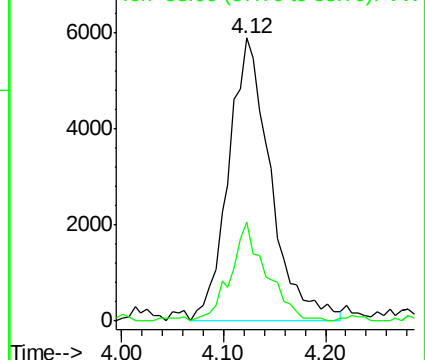
43 100

58 35.2 24.1 36.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#20

Methylene Chloride

Concen: Below Cal

RT: 4.90 min Scan# 492

Delta R.T. 0.00 min

Lab File: VW008698.D

Acq: 15 Feb 2019 21:20

Tgt Ion: 84 Resp: 5725

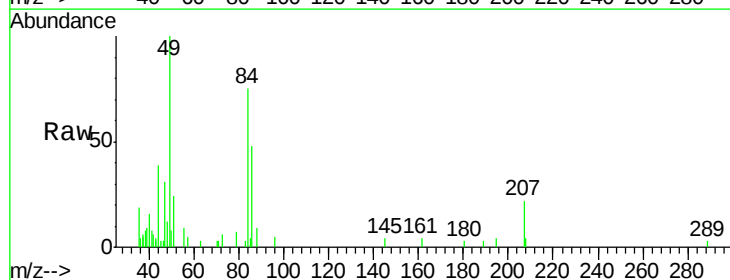
Ion Ratio Lower Upper

84 100

49 128.7 113.3 169.9

51 28.7 32.1 48.1#

86 64.4 50.9 76.3

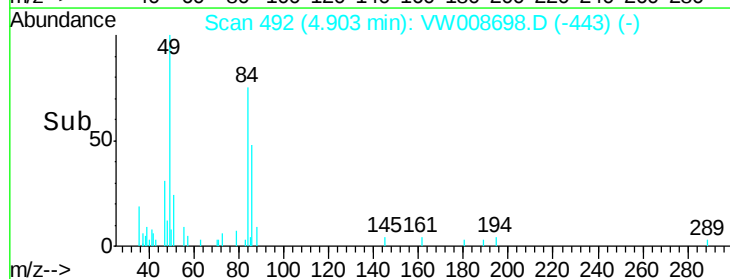
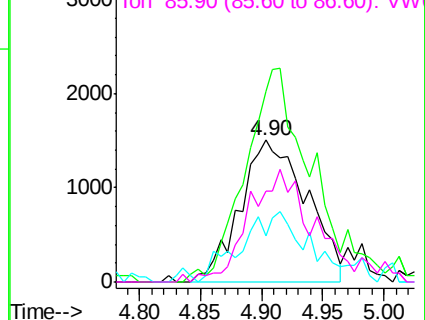


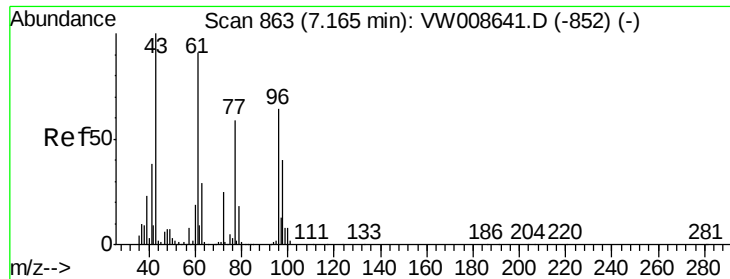
Abundance Ion 83.90 (83.60 to 84.60): VW

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: 4.003 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW008698.D

Acq: 15 Feb 2019 21:20

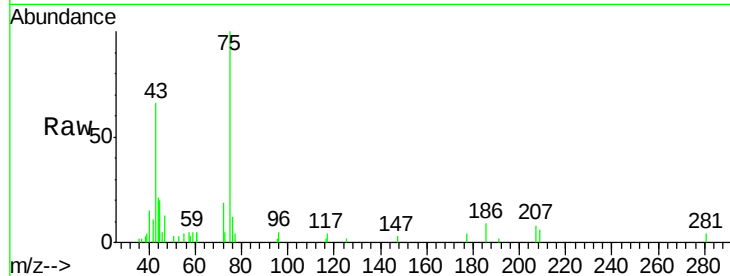
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 4919

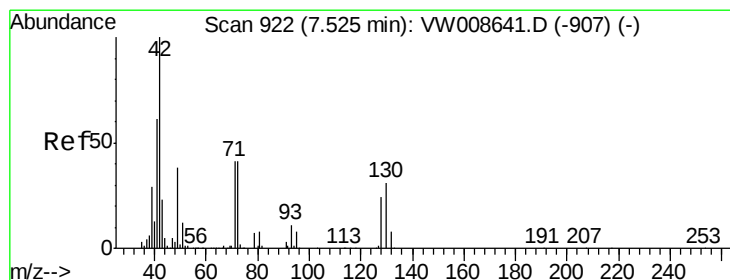
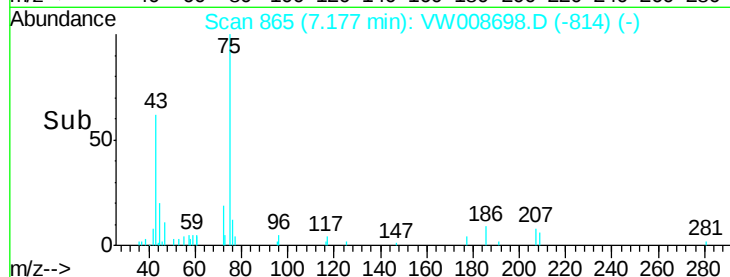
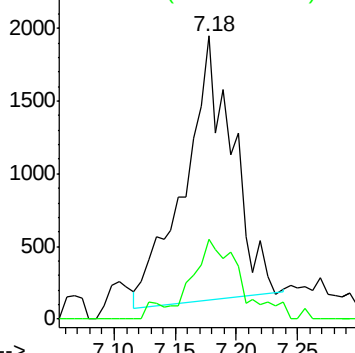
Ion Ratio Lower Upper

43 100

72 31.3 19.7 29.5#



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



#29

Tetrahydrofuran

Concen: 4.497 ug/l

RT: 7.54 min Scan# 925

Delta R.T. 0.02 min

Lab File: VW008698.D

Acq: 15 Feb 2019 21:20

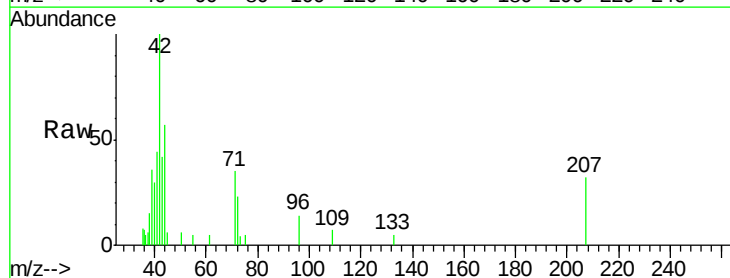
Tgt Ion: 42 Resp: 3642

Ion Ratio Lower Upper

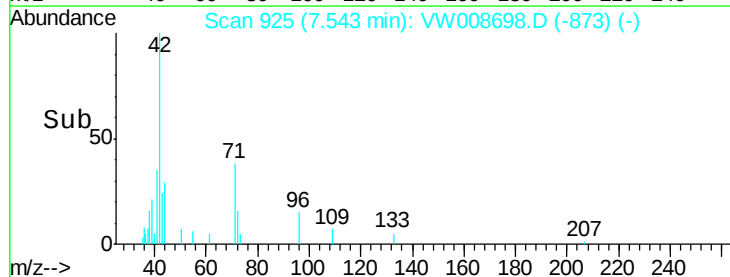
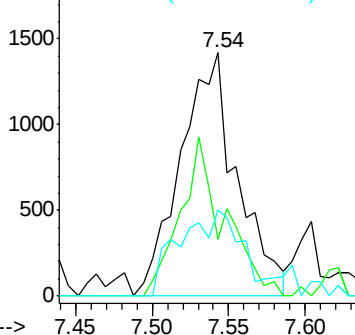
42 100

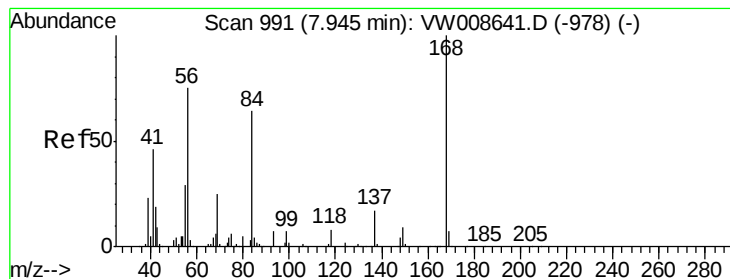
72 50.8 32.2 48.2#

71 38.5 31.0 46.6



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: 1.173 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW008698.D

Acq: 15 Feb 2019 21:20

Instrument :

MSVOA_W

ClientSampled :

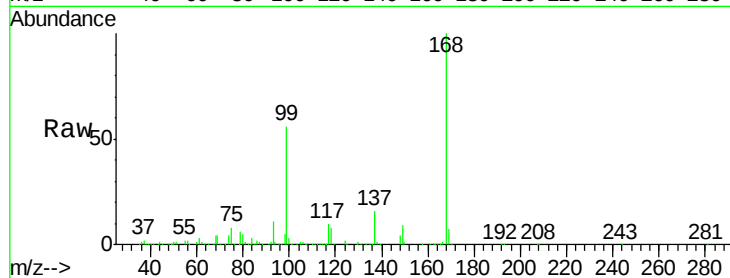
Tot Ion: 56 Resp: 8203

Ion Ratio Lower Upper

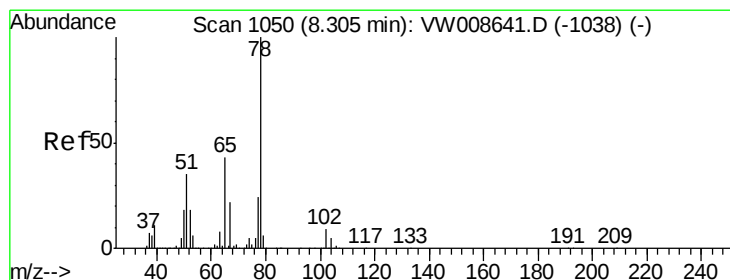
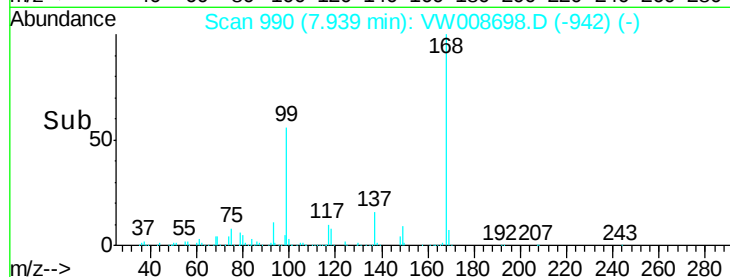
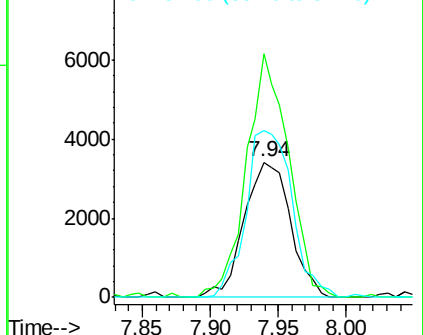
56 100

69 179.9 26.4 39.6#

84 123.7 67.4 101.2#



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: 56.553 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW008698.D

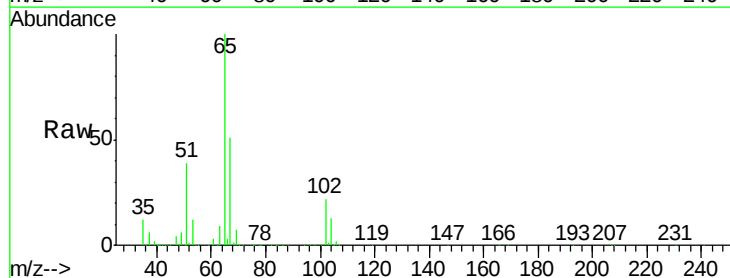
Acq: 15 Feb 2019 21:20

Tgt Ion: 65 Resp: 216262

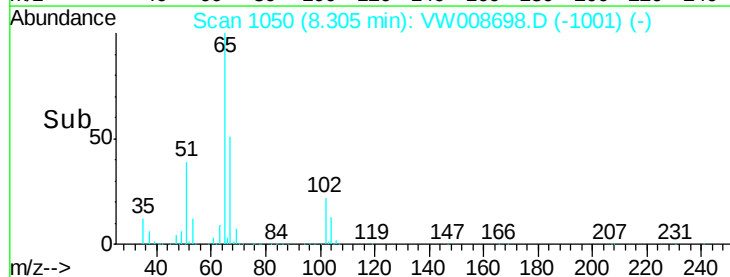
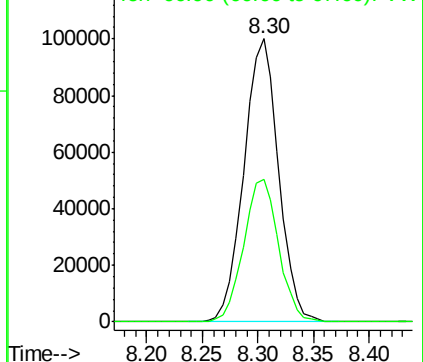
Ion Ratio Lower Upper

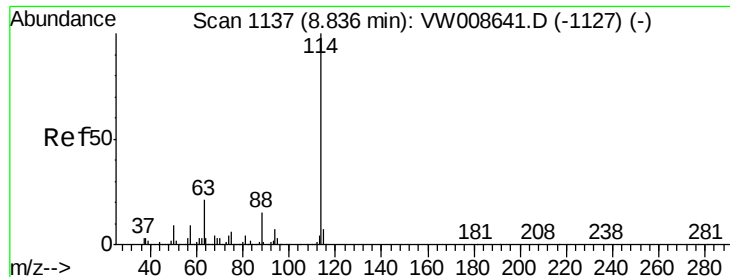
65 100

67 51.2 0.0 102.0



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

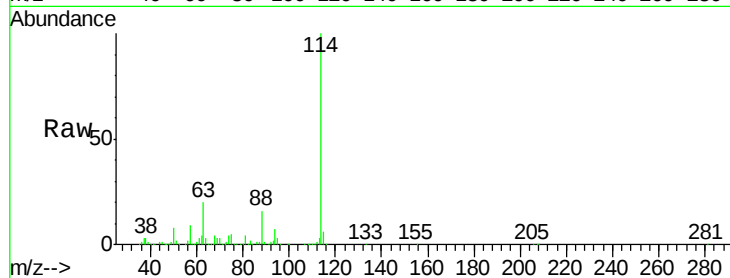




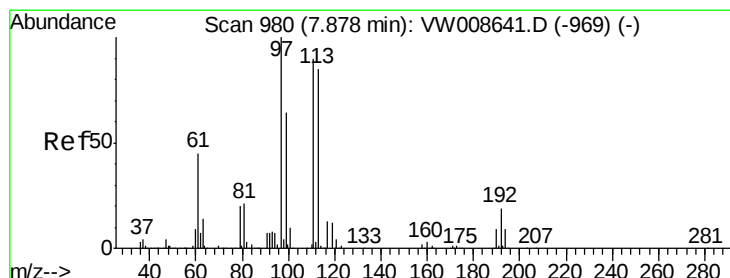
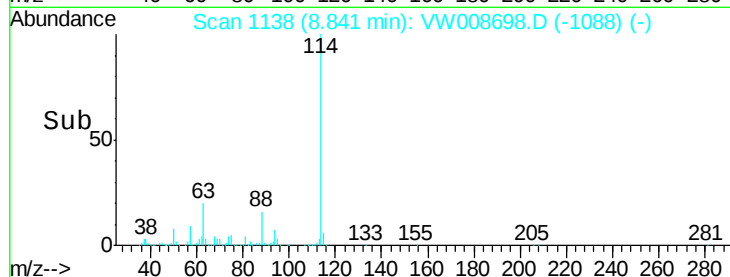
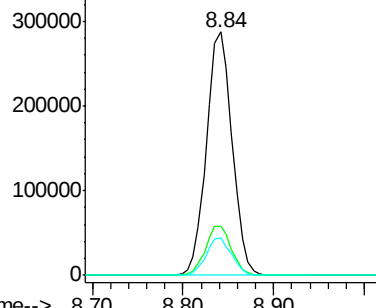
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.01 min
 Lab File: VW008698.D
 Acq: 15 Feb 2019 21:20

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	41.2
88	15.6	0.0	29.6

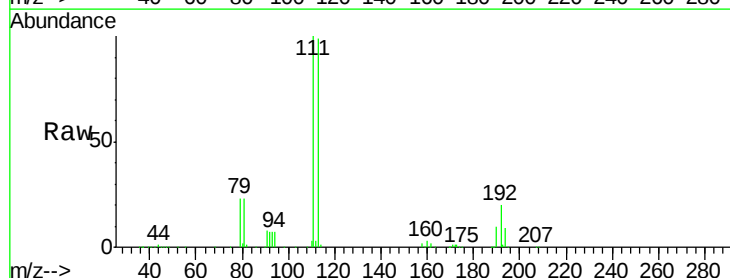


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VV
 Ion 87.90 (87.60 to 88.60): VV

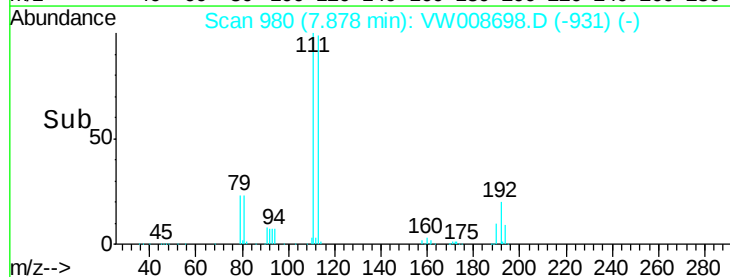
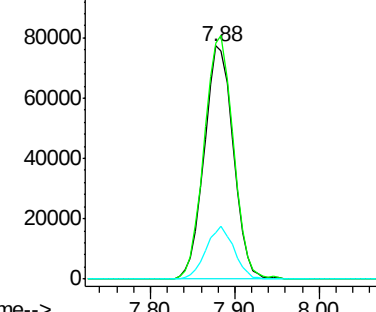


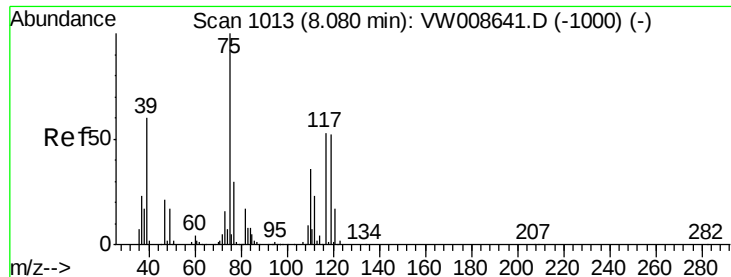
#35
 Dibromofluoromethane
 Concen: 51.432 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW008698.D
 Acq: 15 Feb 2019 21:20

Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.8	84.0	126.0
192	21.7	17.4	26.2



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: 4.830 ug/l

RT: 7.95 min Scan# 991

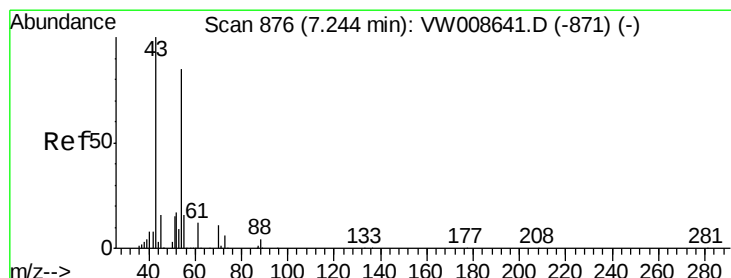
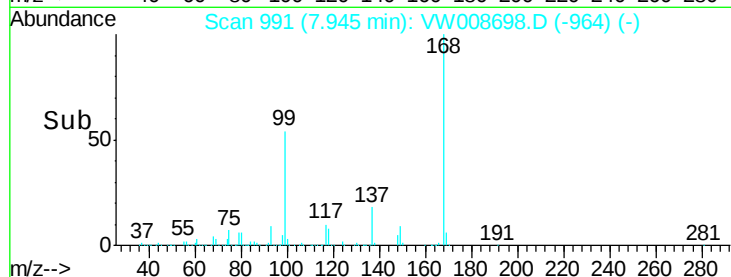
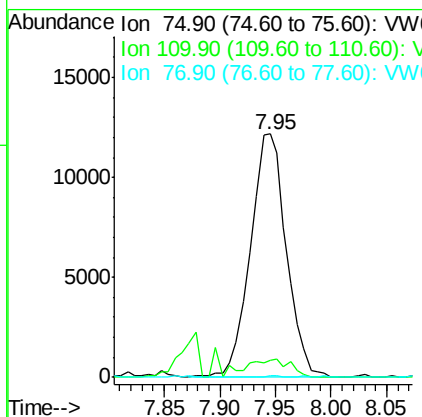
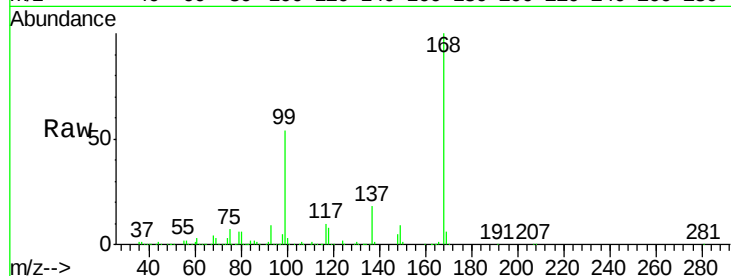
Delta R.T. -0.13 min

Lab File: VW008698.D

Acq: 15 Feb 2019 21:20

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:	75	Resp:	27365
Ion	Ratio	Lower	Upper
75	100		
110	8.2	17.8	53.3#
77	0.2	24.7	37.1#



#37

Ethyl Acetate

Concen: 1.800 ug/l

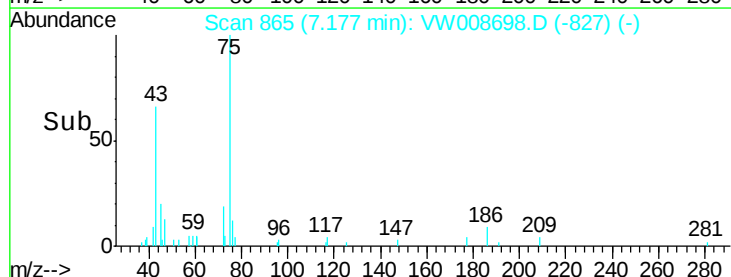
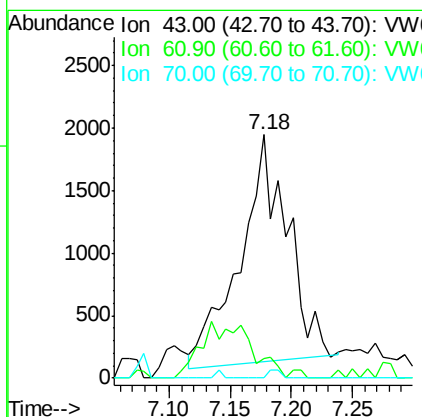
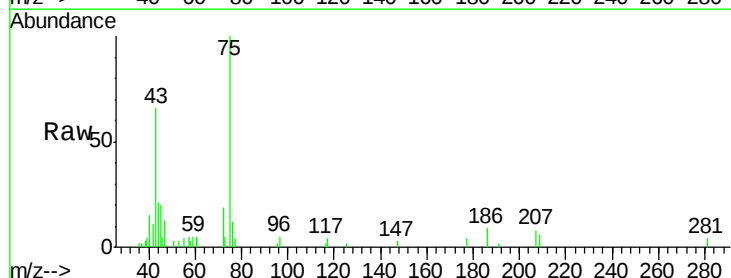
RT: 7.18 min Scan# 865

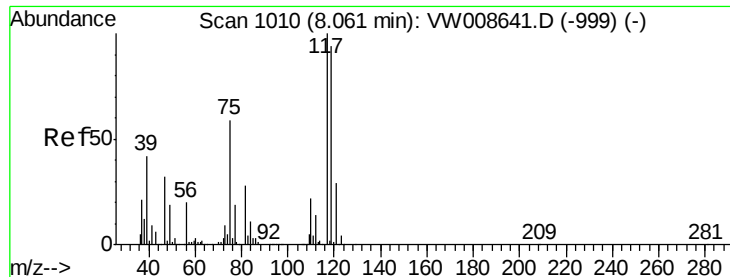
Delta R.T. -0.07 min

Lab File: VW008698.D

Acq: 15 Feb 2019 21:20

Tgt Ion:	43	Resp:	4919
Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.5	15.7#
70	1.0	8.1	12.1#

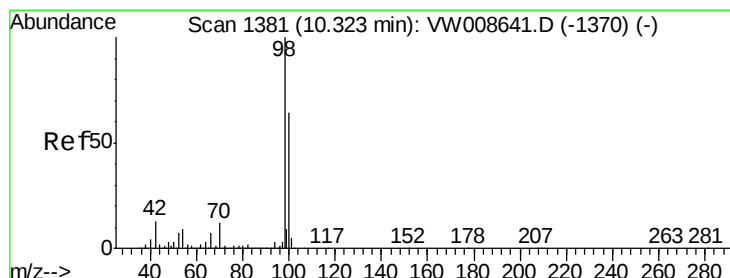
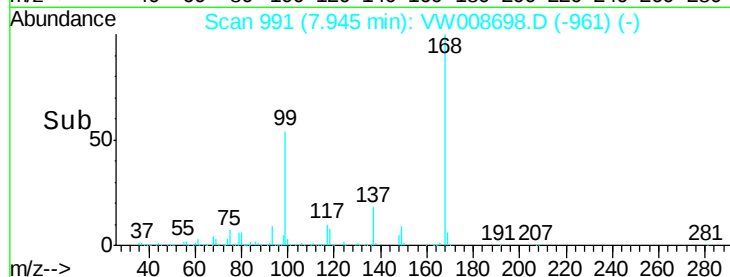
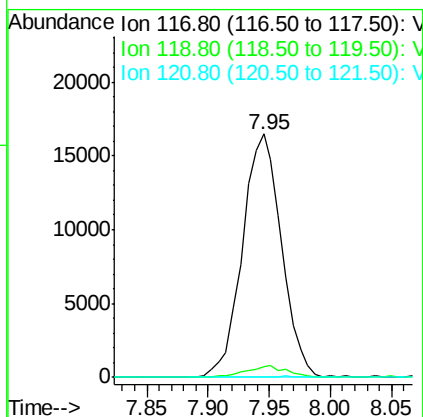
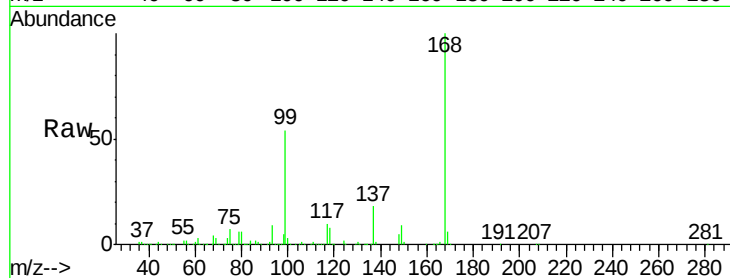




#38
Carbon Tetrachloride
Concen: 6.479 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW008698.D
Acq: 15 Feb 2019 21:20

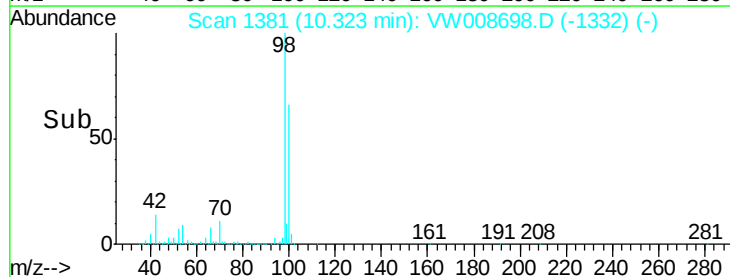
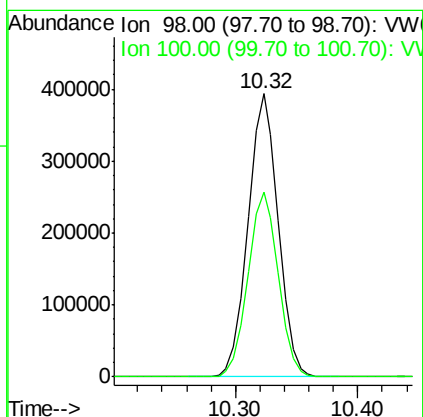
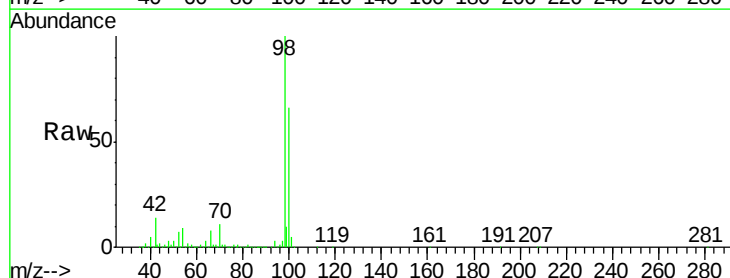
Instrument :
MSVOA_W
ClientSampled :

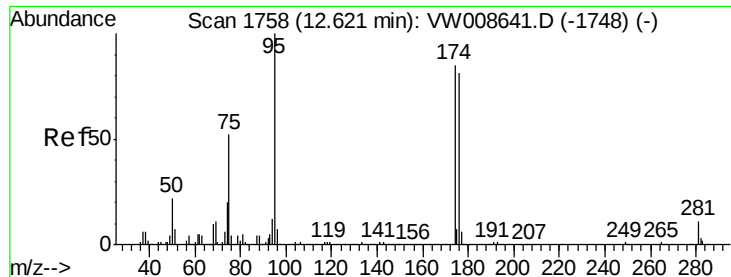
Tot Ion:117 Resp: 36500
Ion Ratio Lower Upper
117 100
119 4.3 75.1 112.7#
121 0.0 23.5 35.3#



#50
Toluene-d8
Concen: 49.997 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW008698.D
Acq: 15 Feb 2019 21:20

Tgt Ion: 98 Resp: 674880
Ion Ratio Lower Upper
98 100
100 65.5 52.2 78.4





#62

4-Bromofluorobenzene

Concen: 46.339 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW008698.D

Acq: 15 Feb 2019 21:20

Instrument :

MSVOA_W

ClientSampleId :

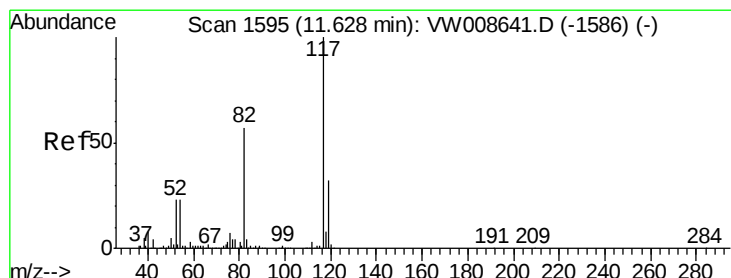
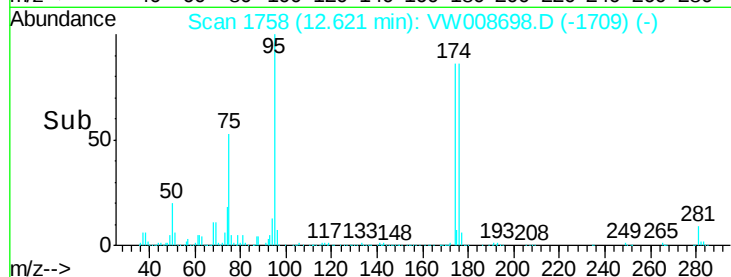
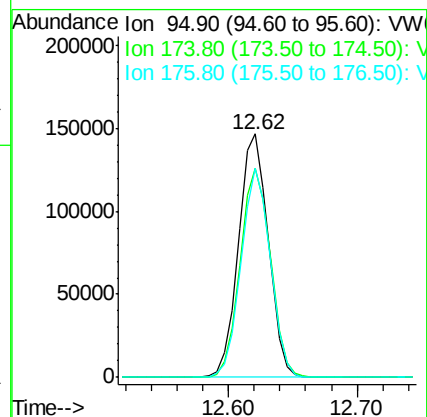
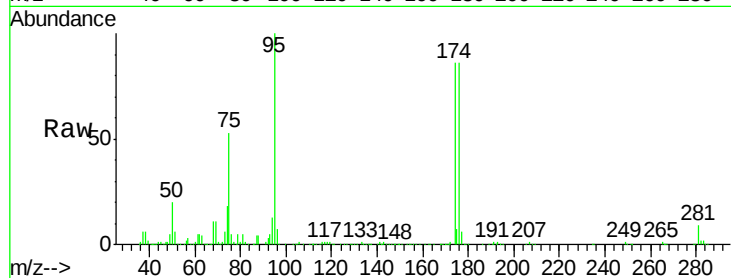
Tot Ion: 95 Resp: 235604

Ion Ratio Lower Upper

95 100

174 86.7 0.0 163.2

176 83.8 0.0 158.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. 0.01 min

Lab File: VW008698.D

Acq: 15 Feb 2019 21:20

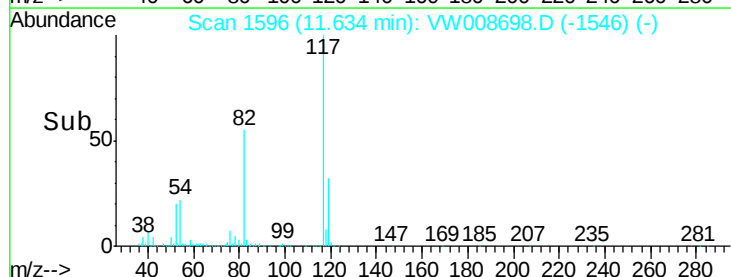
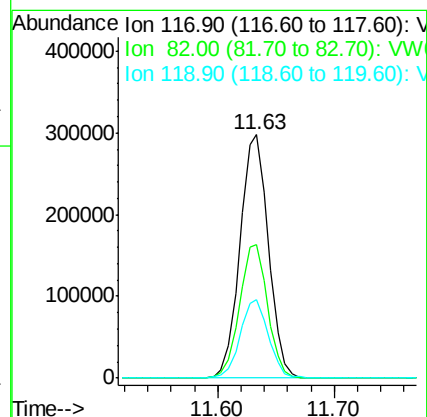
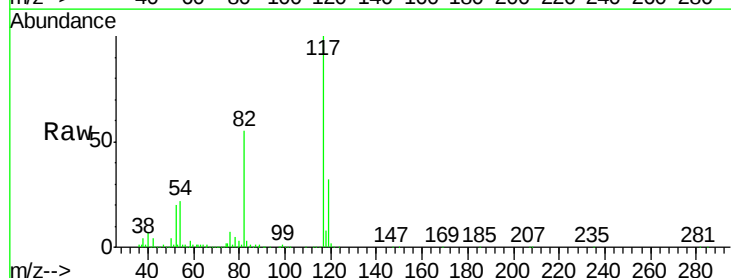
Tgt Ion: 117 Resp: 505449

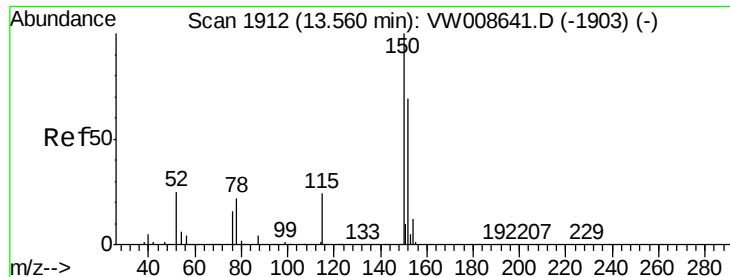
Ion Ratio Lower Upper

117 100

82 54.8 45.6 68.4

119 32.1 25.7 38.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW008698.D

Acq: 15 Feb 2019 21:20

Instrument :

MSVOA_W

ClientSampleId :

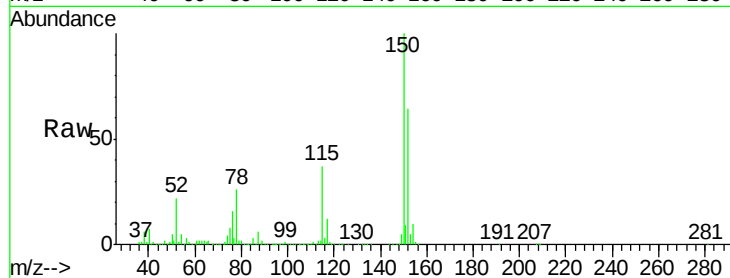
Tot Ion:152 Resp: 250231

Ion Ratio Lower Upper

152 100

115 56.7 29.3 87.8

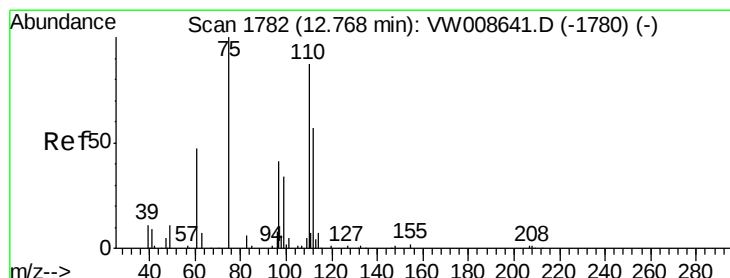
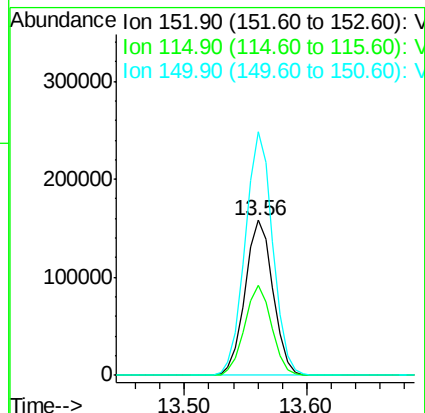
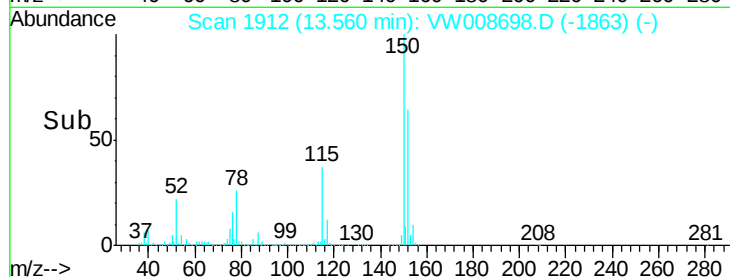
150 155.6 0.0 352.8



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: 51.190 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008698.D

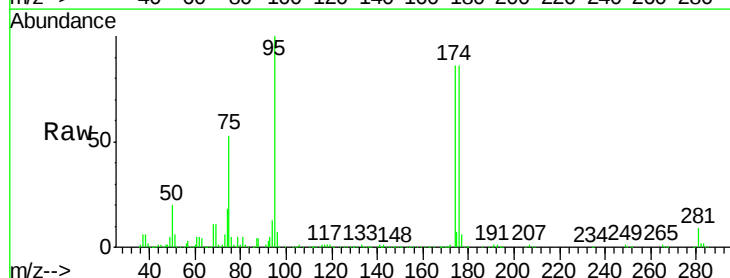
Acq: 15 Feb 2019 21:20

Tgt Ion: 75 Resp: 126485

Ion Ratio Lower Upper

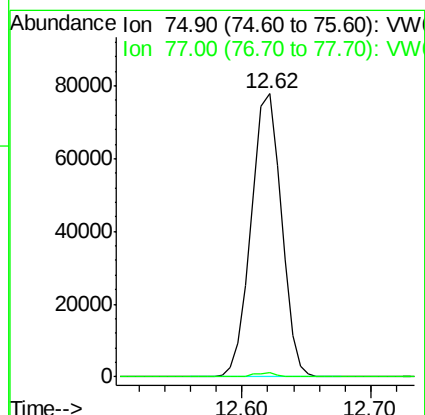
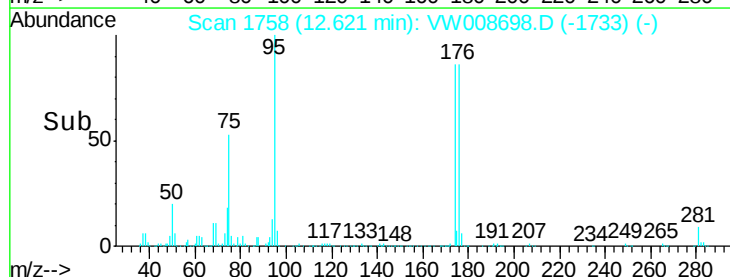
75 100

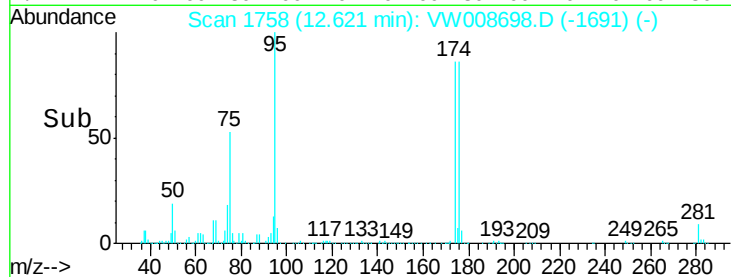
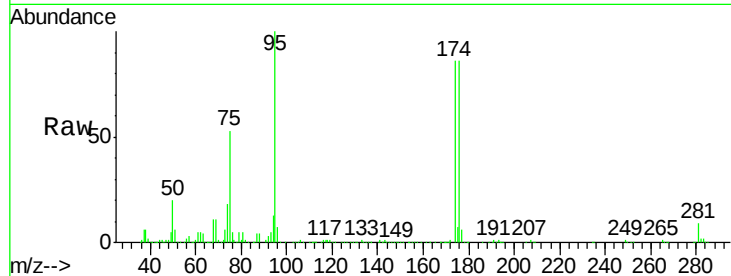
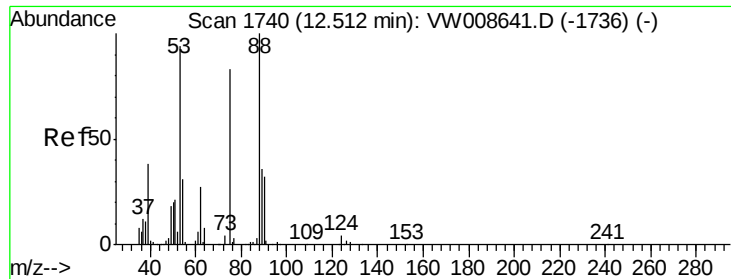
77 1.3 0.0 0.0#



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: 109.695 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW008698.D

Acq: 15 Feb 2019 21:20

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 75 Resp: 126485

Ion Ratio Lower Upper

75 100

53 0.1 87.4 131.0#

89 0.0 37.0 55.4#

