

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW051119\
 Data File : VW010380.D
 Acq On : 11 May 2019 14:44
 Operator : SY/VA
 Sample : K2719-08
 Misc : 5.98G/5ML/MSVOA W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: May 12 00:26:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W050919S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 10 03:41:21 2019
 Response via : Initial Calibration

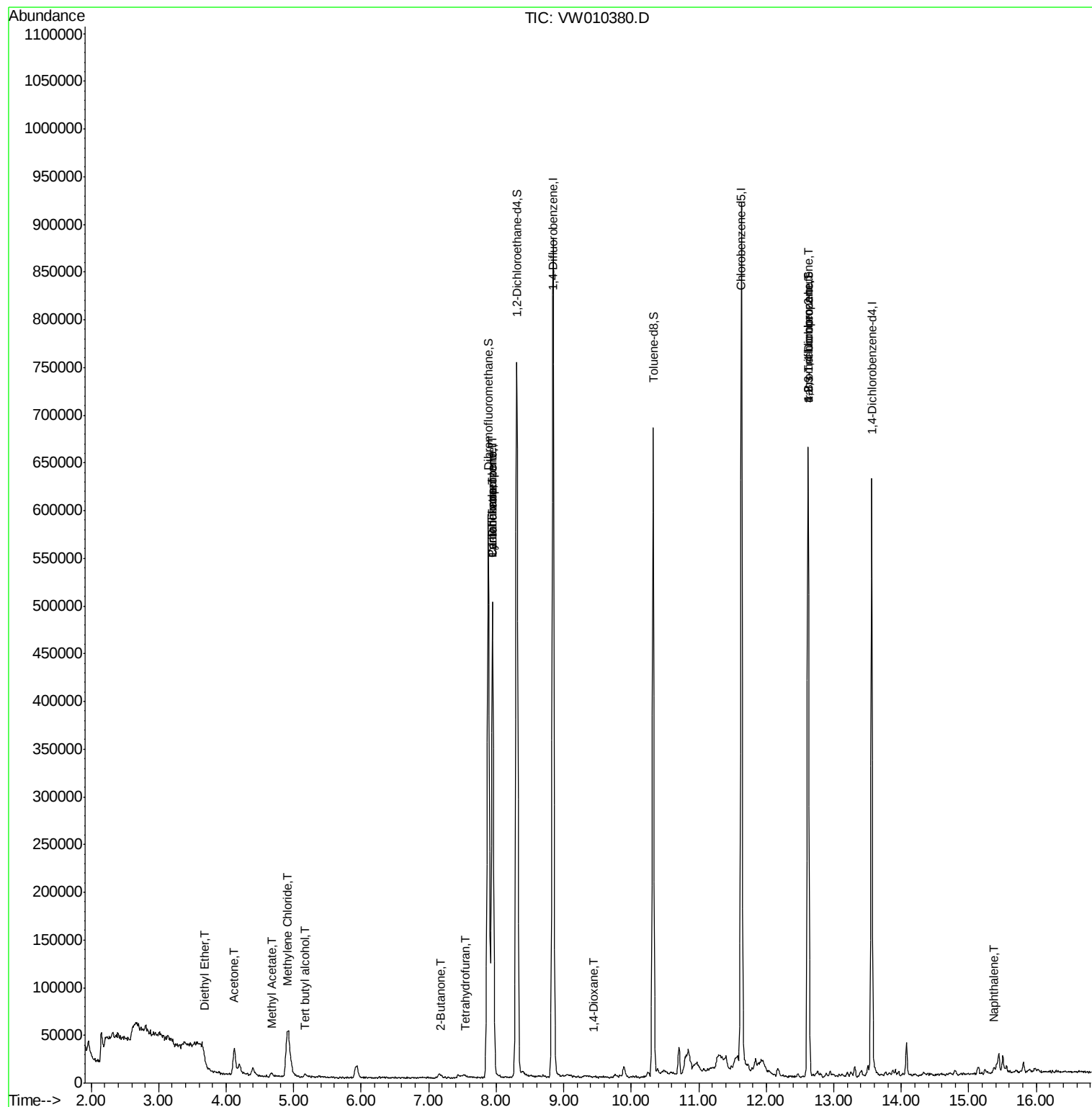
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	358207	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	703615	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	493472	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	156821	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	596523	156.64	ug/l	0.00
Spiked Amount 50.000			Recovery	=	313.28%	
35) Dibromofluoromethane	7.88	113	419253	101.82	ug/l	0.00
Spiked Amount 50.000			Recovery	=	203.64%	
50) Toluene-d8	10.32	98	442875	26.41	ug/l	0.00
Spiked Amount 50.000			Recovery	=	52.82%	
62) 4-Bromofluorobenzene	12.62	95	210624	35.69	ug/l	0.00
Spiked Amount 50.000			Recovery	=	71.38%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.68	74	5634	2.809	ug/l	99
11) Tert butyl alcohol	5.18	59	4753	17.673	ug/l	99
16) Acetone	4.12	43	51874	52.251	ug/l	97
18) Methyl Acetate	4.67	43	7119	2.895	ug/l #	88
20) Methylene Chloride	4.90	84	48793	11.783	ug/l	88
25) 2-Butanone	7.18	43	2476	1.630	ug/l	100
29) Tetrahydrofuran	7.54	42	1766	1.798	ug/l #	89
31) Cyclohexane	7.95	56	9174	1.176	ug/l #	12
36) 1,1-Dichloropropene	7.94	75	31771	4.164	ug/l #	50
38) Carbon Tetrachloride	7.95	117	37109	5.674	ug/l #	20
49) 1,4-Dioxane	9.45	88	108	2.308	ug/l #	19
76) 1,2,3-Trichloropropane	12.62	75	109336	59.799	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	109336	135.044	ug/l #	5
95) Naphthalene	15.37	128	5080	4.257	ug/l #	82

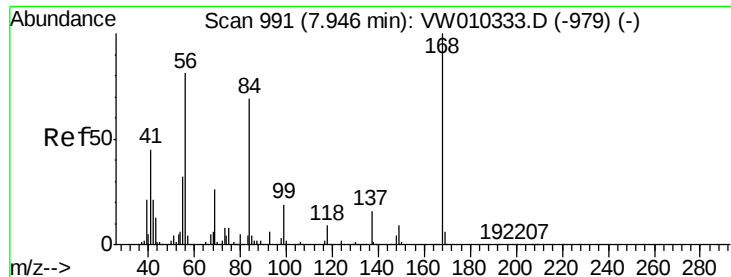
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW010380.D

Acq: 11 May 2019 14:44

Instrument :

MSVOA_W

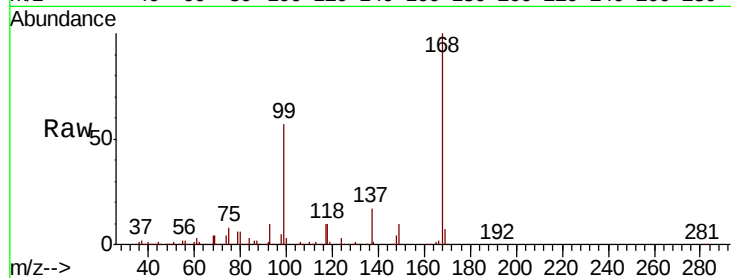
ClientSampleId :

Tot Ion:168 Resp: 358207

Ion Ratio Lower Upper

168 100

99 57.4 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

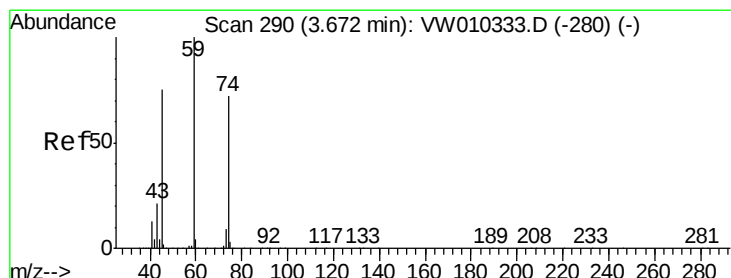
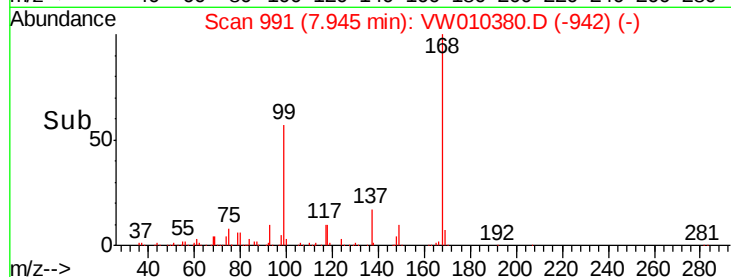
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 2.809 ug/l

RT: 3.68 min Scan# 291

Delta R.T. 0.01 min

Lab File: VW010380.D

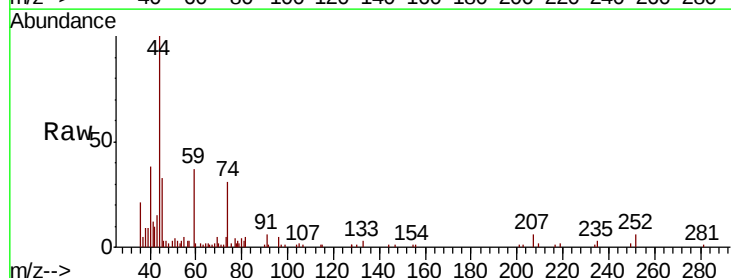
Acq: 11 May 2019 14:44

Tgt Ion: 74 Resp: 5634

Ion Ratio Lower Upper

74 100

45 110.5 56.0 168.0



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3000

2500

2000

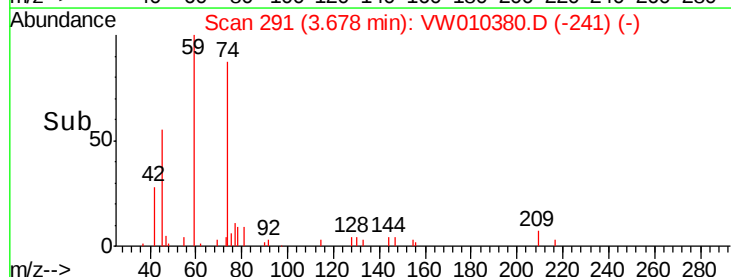
1500

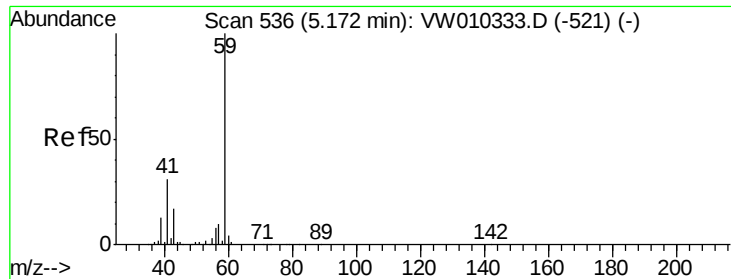
1000

500

0

Time-->



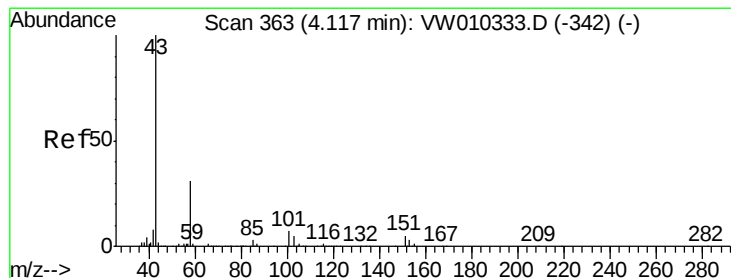
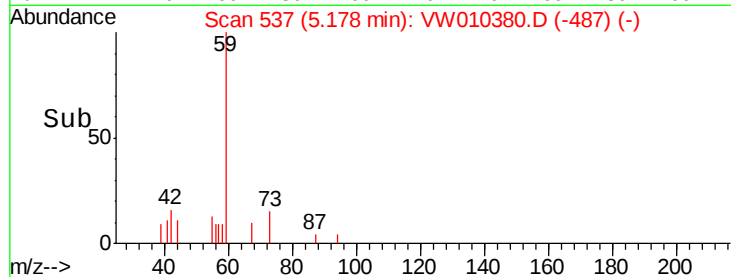
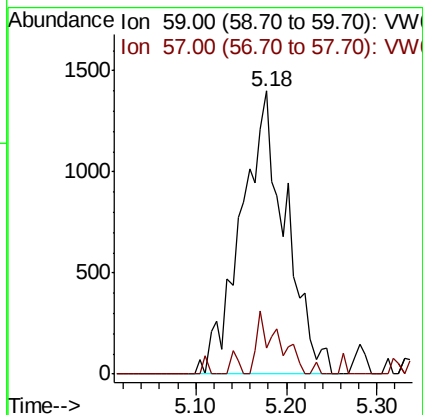
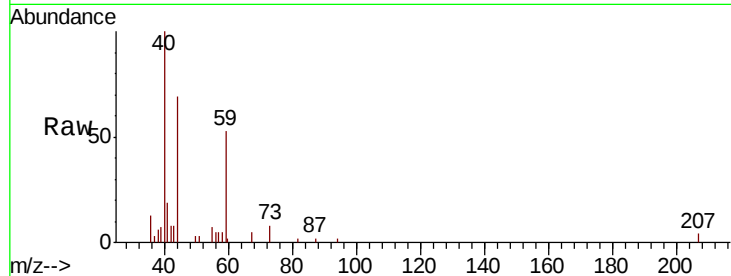


#11

Tert butyl alcohol
 Concen: 17.673 ug/l
 RT: 5.18 min Scan# 537
 Delta R.T. 0.01 min
 Lab File: VW010380.D
 Acq: 11 May 2019 14:44

Instrument :
 MSVOA_W
 ClientSampleId :

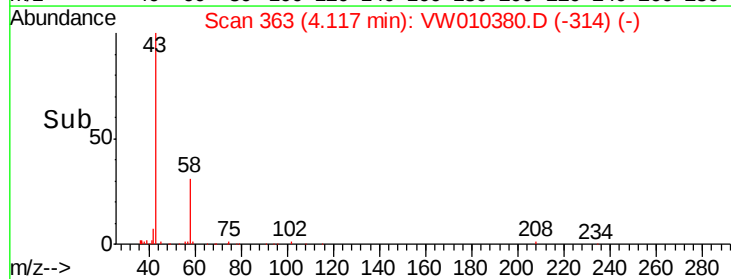
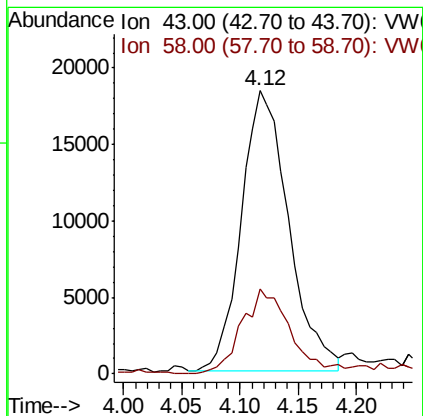
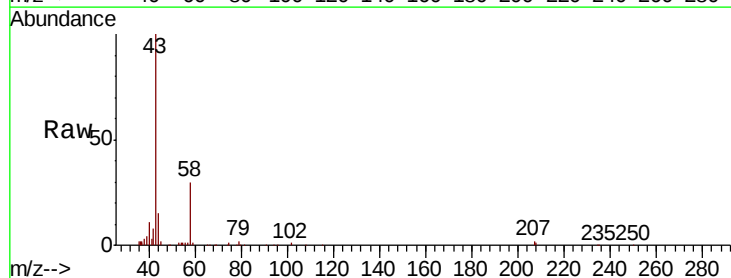
Tot Ion: 59 Resp: 4753
 Ion Ratio Lower Upper
 59 100
 57 10.8 9.0 13.4

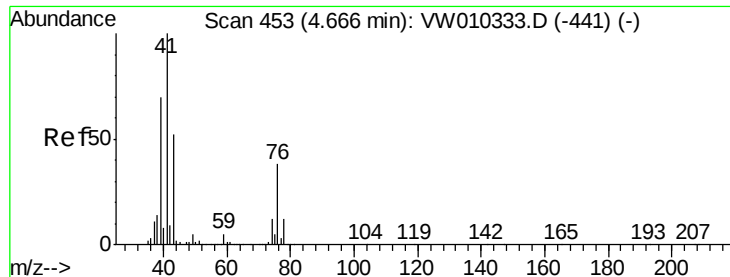


#16

Acetone
 Concen: 52.251 ug/l
 RT: 4.12 min Scan# 363
 Delta R.T. -0.00 min
 Lab File: VW010380.D
 Acq: 11 May 2019 14:44

Tgt Ion: 43 Resp: 51874
 Ion Ratio Lower Upper
 43 100
 58 30.2 22.7 34.1

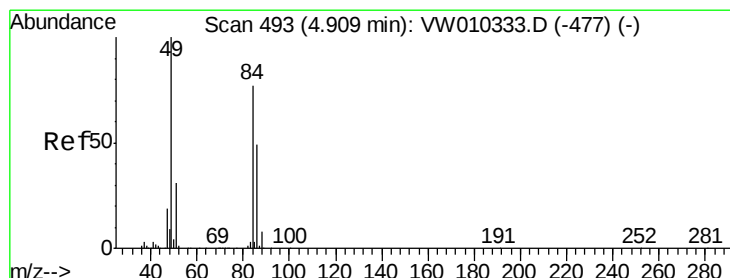
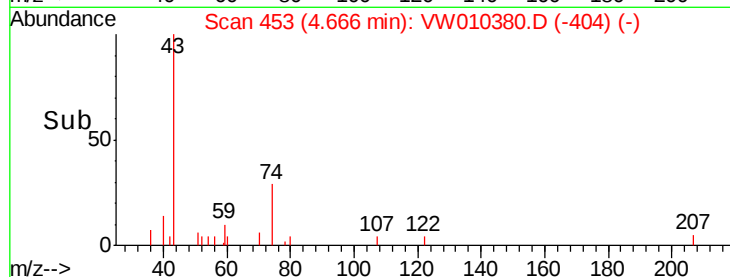
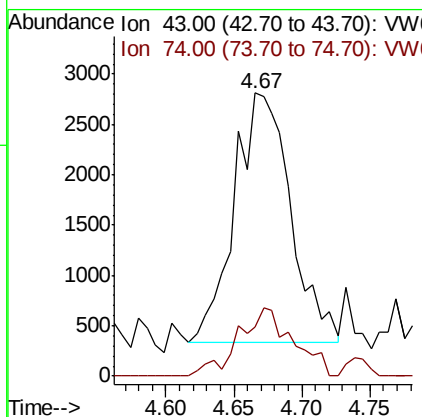
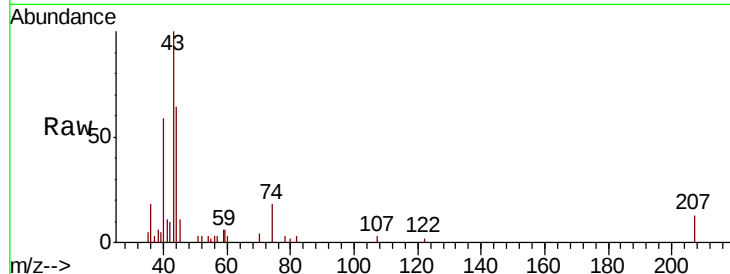




#18
Methyl Acetate
Concen: 2.895 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW010380.D
Acq: 11 May 2019 14:44

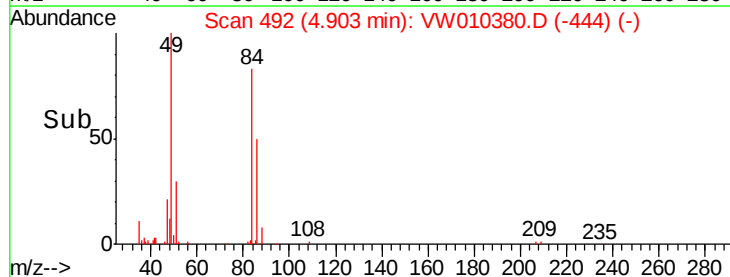
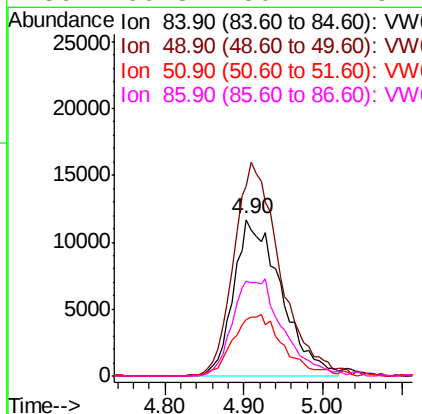
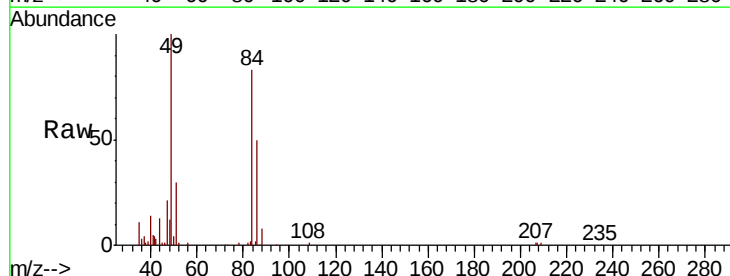
Instrument :
MSVOA_W
ClientSampleId :

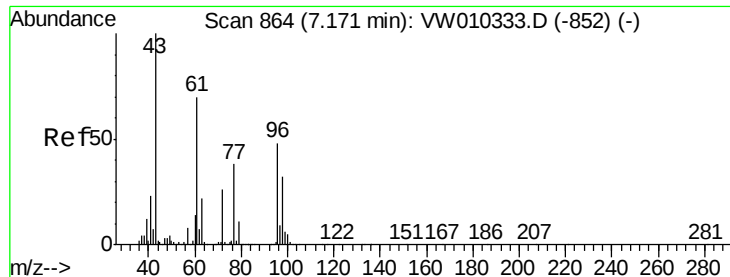
Tot Ion: 43 Resp: 7119
Ion Ratio Lower Upper
43 100
74 26.8 16.8 25.2#



#20
Methylene Chloride
Concen: 11.783 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.01 min
Lab File: VW010380.D
Acq: 11 May 2019 14:44

Tgt Ion: 84 Resp: 48793
Ion Ratio Lower Upper
84 100
49 120.5 112.3 168.5
51 36.4 33.9 50.9
86 60.3 50.2 75.4





#25

2-Butanone

Concen: 1.630 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW010380.D

Acq: 11 May 2019 14:44

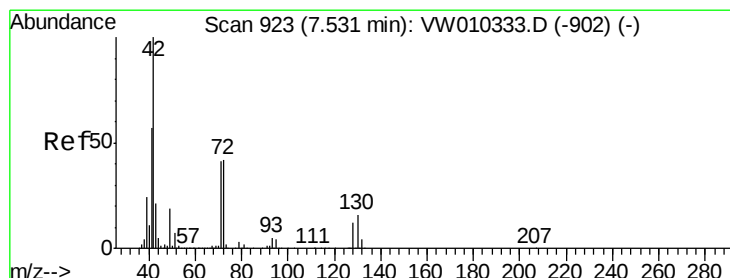
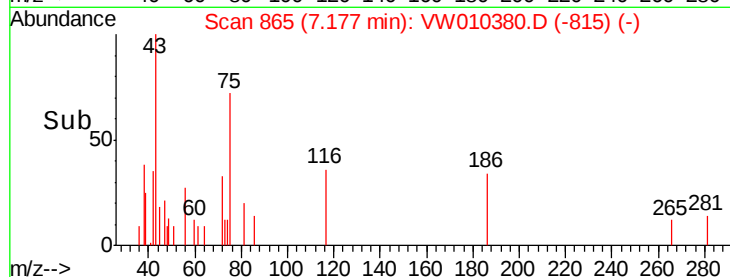
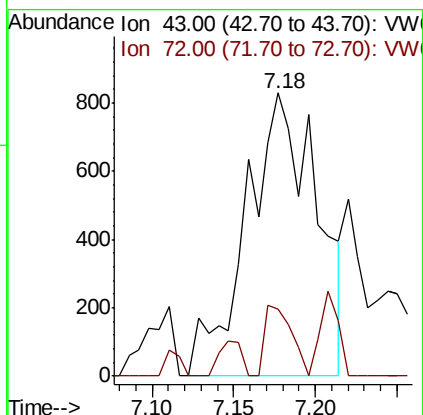
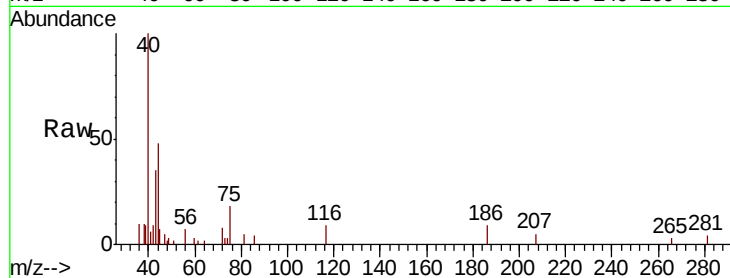
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 2476

Ion Ratio Lower Upper

43 100

72 23.9 19.1 28.7



#29

Tetrahydrofuran

Concen: 1.798 ug/l

RT: 7.54 min Scan# 925

Delta R.T. 0.01 min

Lab File: VW010380.D

Acq: 11 May 2019 14:44

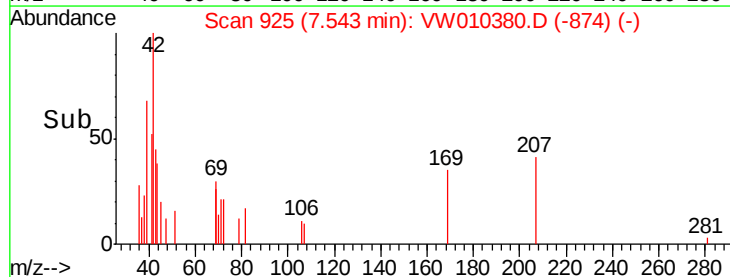
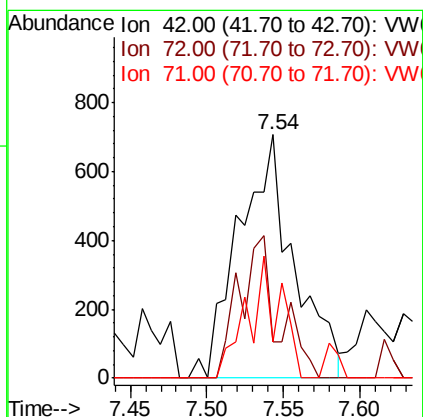
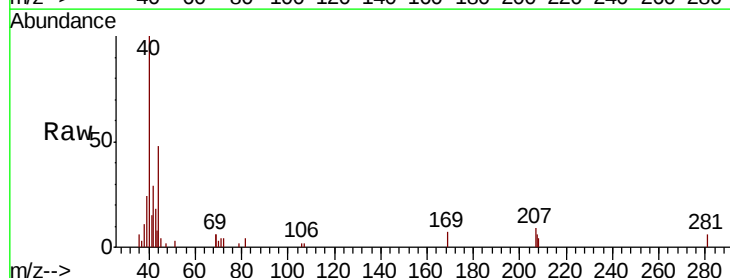
Tgt Ion: 42 Resp: 1766

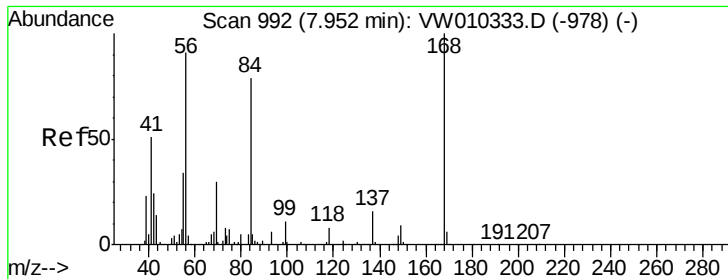
Ion Ratio Lower Upper

42 100

72 33.0 31.0 46.6

71 29.6 29.7 44.5#





#31

Cyclohexane

Concen: 1.176 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW010380.D

Acq: 11 May 2019 14:44

Instrument :

MSVOA_W

ClientSampled :

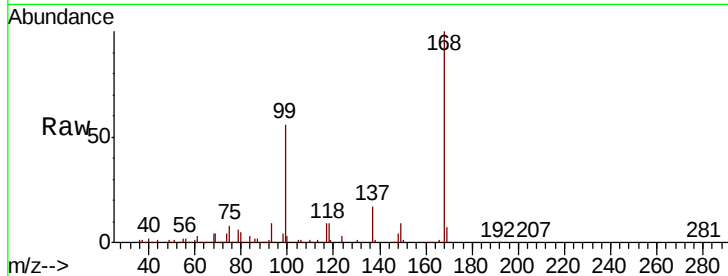
Tot Ion: 56 Resp: 9174

Ion Ratio Lower Upper

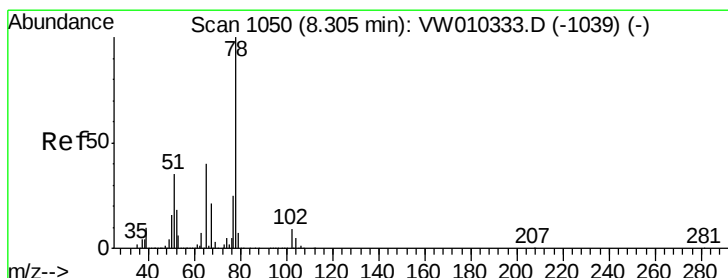
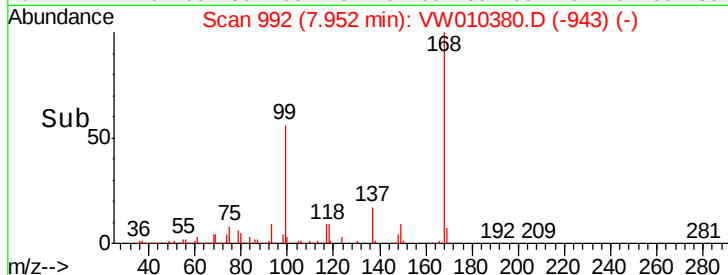
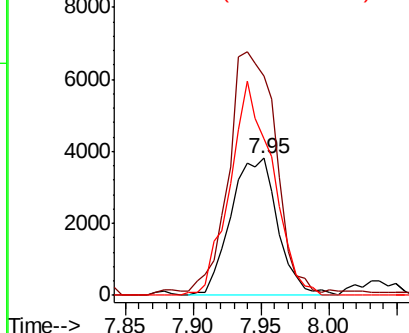
56 100

69 157.3 26.6 40.0#

84 114.0 66.2 99.2#



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: 156.641 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW010380.D

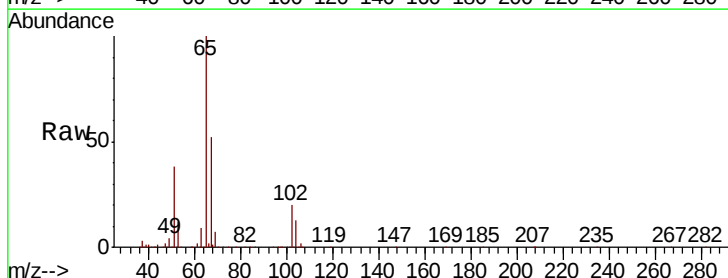
Acq: 11 May 2019 14:44

Tgt Ion: 65 Resp: 596523

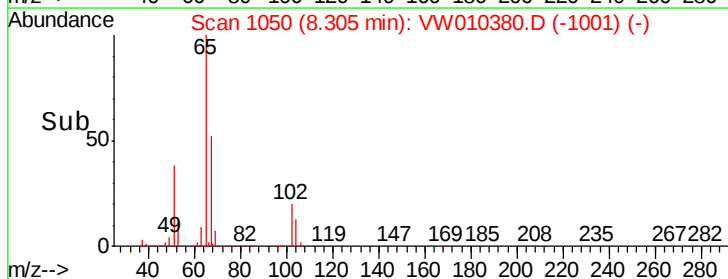
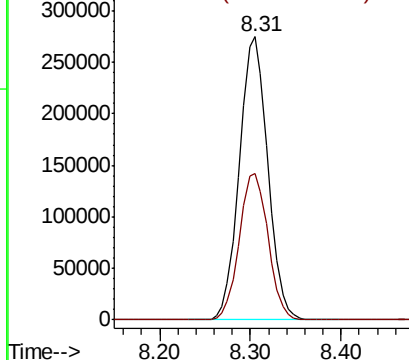
Ion Ratio Lower Upper

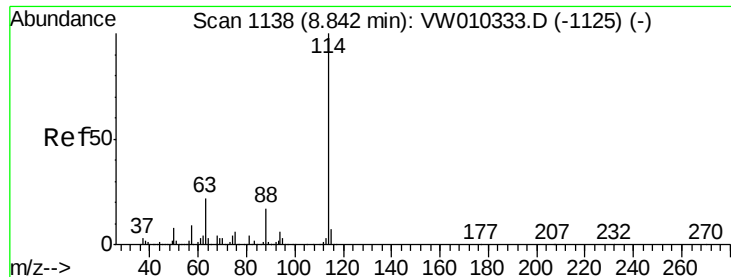
65 100

67 52.6 0.0 100.8



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. -0.00 min

Lab File: VW010380.D

Acq: 11 May 2019 14:44

Instrument :

MSVOA_W

ClientSampleId :

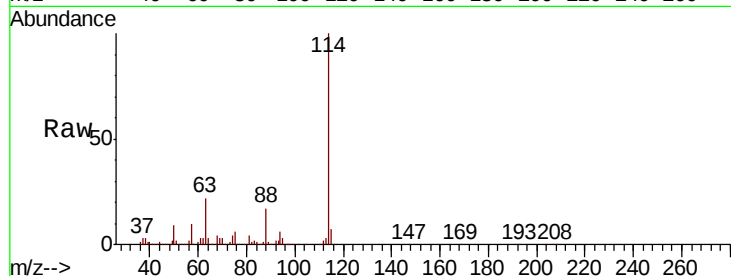
Tot Ion:114 Resp: 703615

Ion Ratio Lower Upper

114 100

63 22.5 0.0 46.2

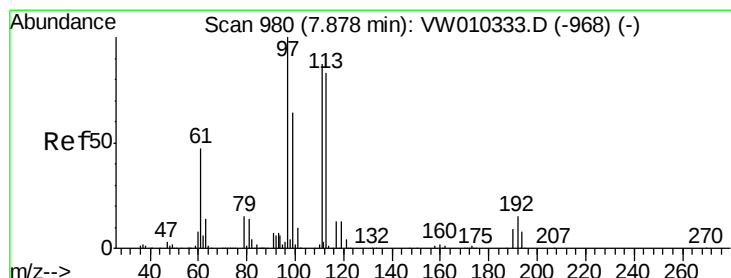
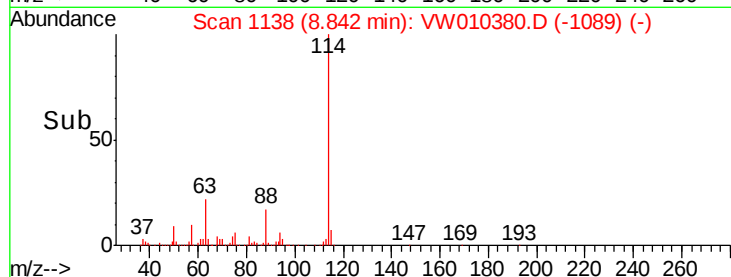
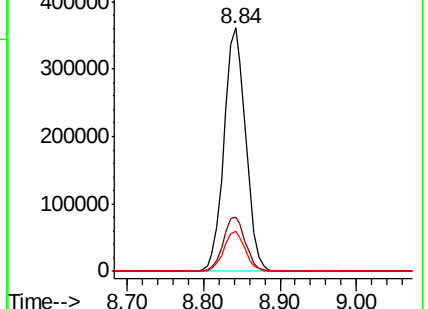
88 16.7 0.0 32.6



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: 101.823 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.01 min

Lab File: VW010380.D

Acq: 11 May 2019 14:44

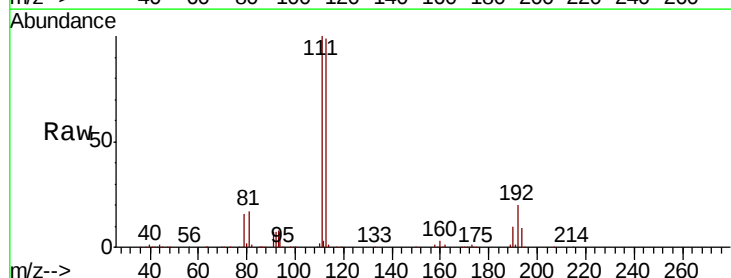
Tgt Ion:113 Resp: 419253

Ion Ratio Lower Upper

113 100

111 102.9 82.6 123.8

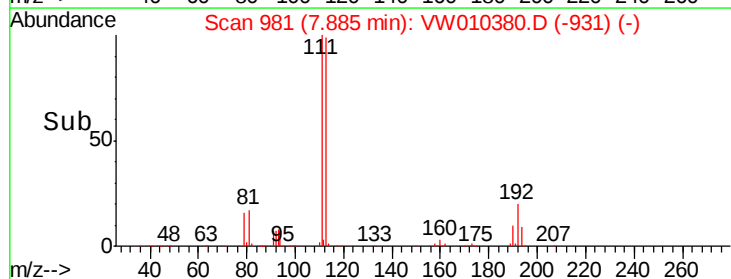
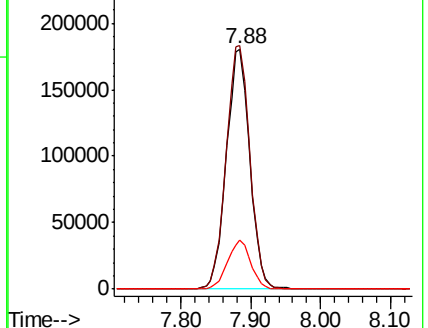
192 20.1 15.4 23.2

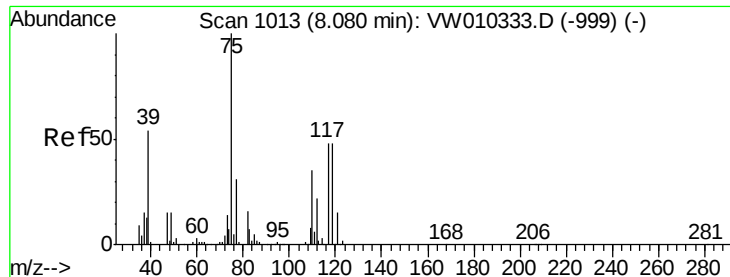


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

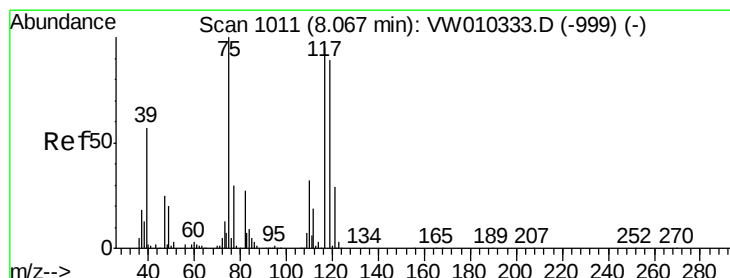
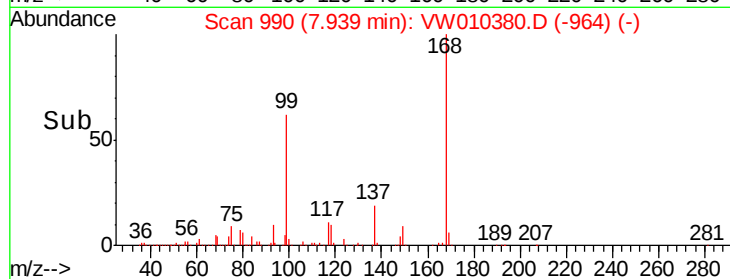
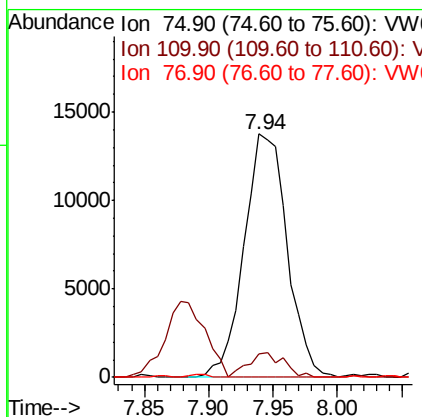
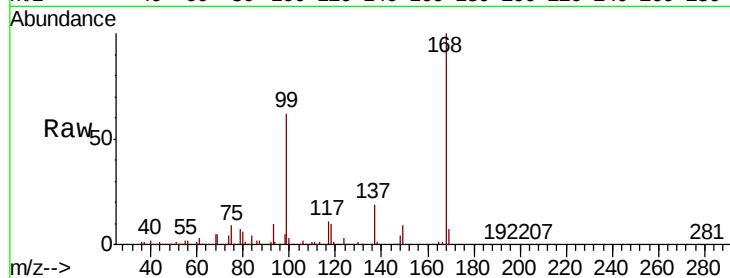




#36
 1,1-Dichloropropene
 Concen: 4.164 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW010380.D
 Acq: 11 May 2019 14:44

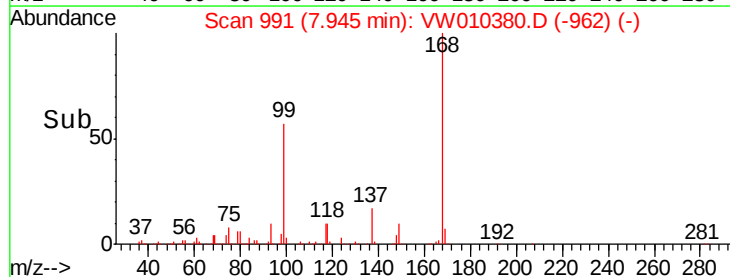
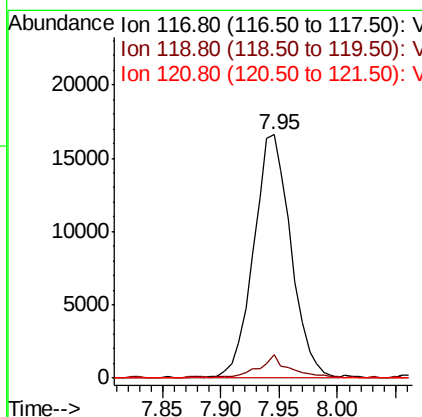
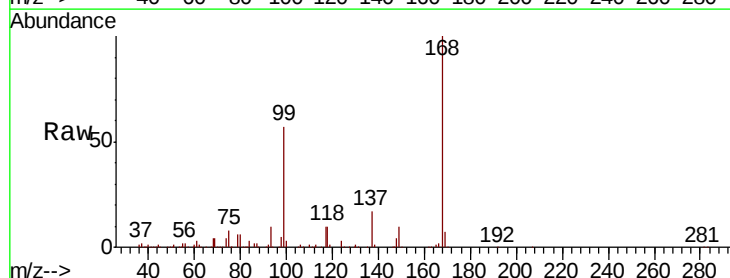
Instrument :
 MSVOA_W
 ClientSampleId :

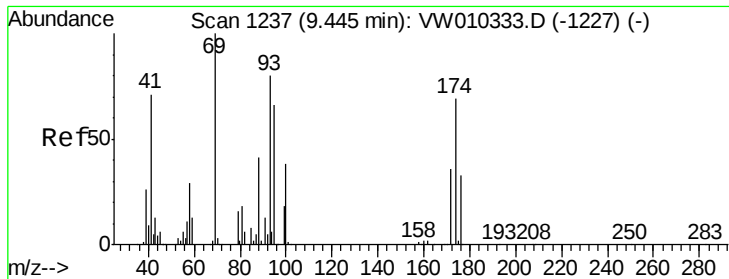
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.3	16.6	49.8#
77	0.0	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 5.674 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW010380.D
 Acq: 11 May 2019 14:44

Tgt Ion	Ratio	Lower	Upper
117	100		
119	9.2	75.3	112.9#
121	0.0	24.4	36.6#





#49

1,4-Dioxane

Concen: 2.308 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. -0.00 min

Lab File: VW010380.D

Acq: 11 May 2019 14:44

Instrument :
MSVOA_W
ClientSampleId :

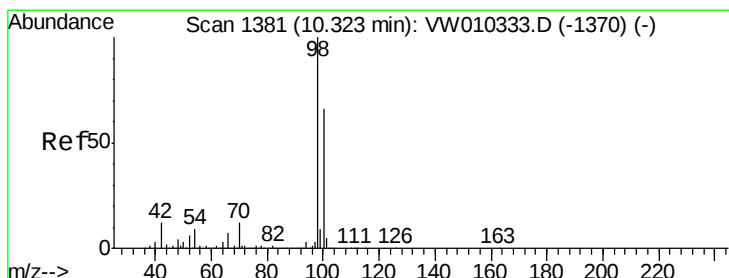
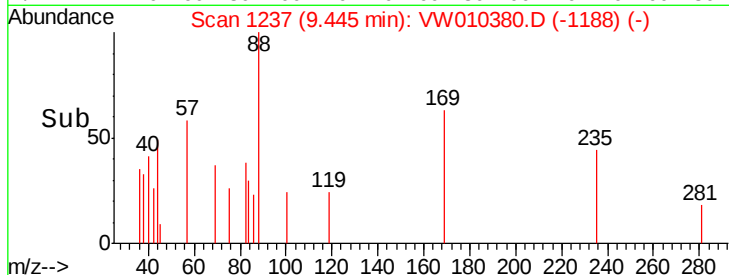
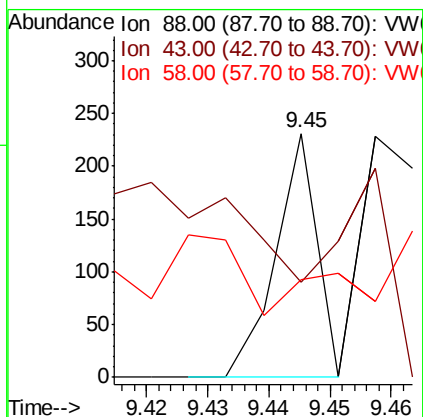
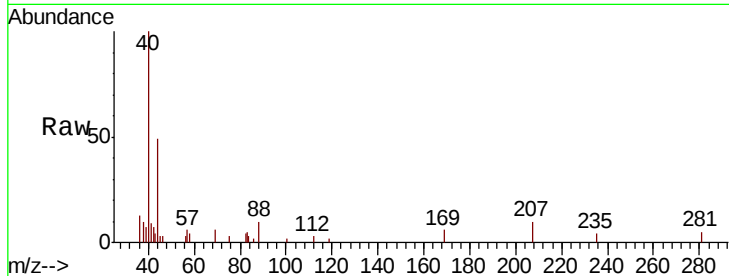
Tot Ion: 88 Resp: 108

Ion Ratio Lower Upper

88 100

43 0.0 31.9 47.9#

58 0.0 61.8 92.6#



#50

Toluene-d8

Concen: 26.414 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW010380.D

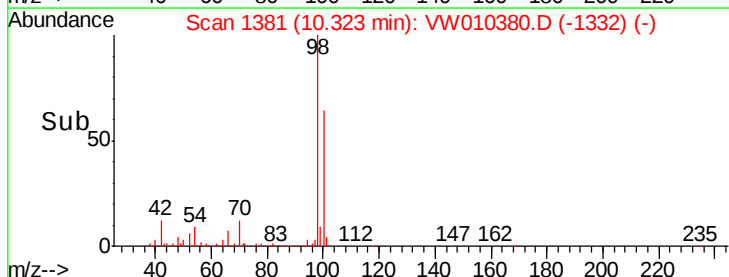
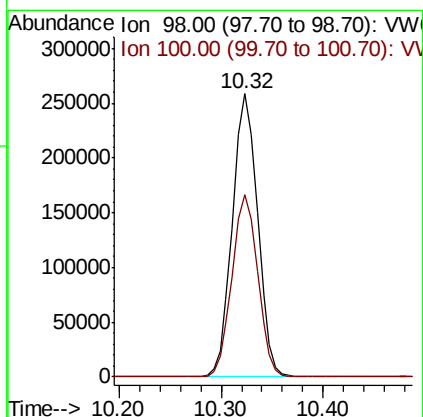
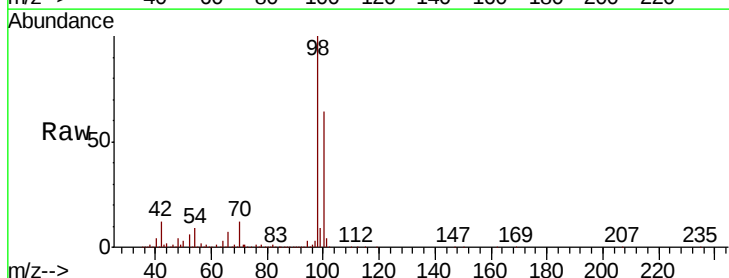
Acq: 11 May 2019 14:44

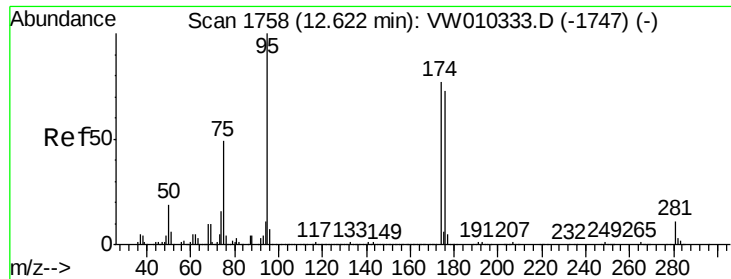
Tgt Ion: 98 Resp: 442875

Ion Ratio Lower Upper

98 100

100 65.4 52.3 78.5





#62

4-Bromofluorobenzene

Concen: 35.687 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW010380.D

Acq: 11 May 2019 14:44

Instrument :

MSVOA_W

ClientSampleId :

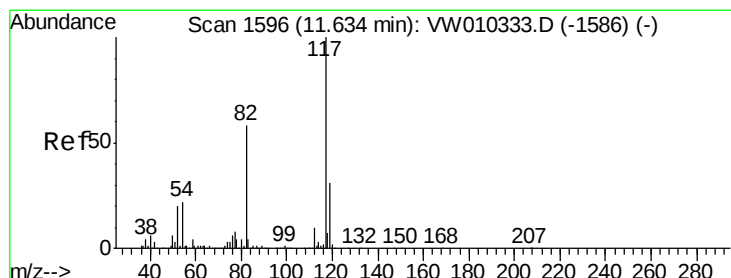
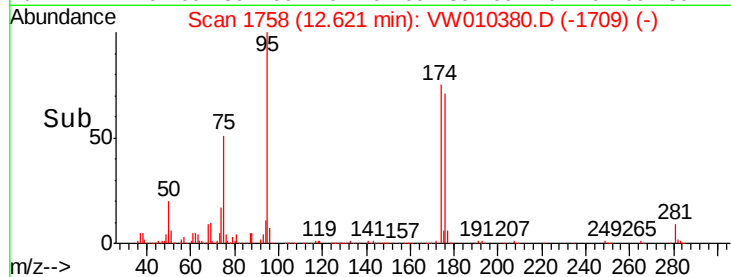
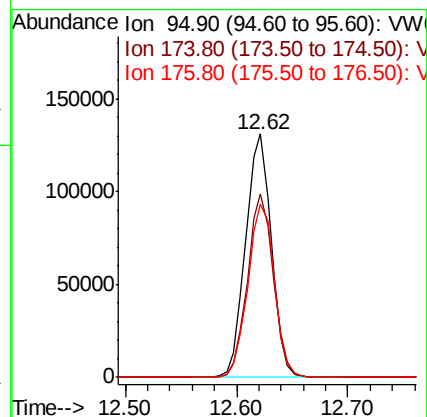
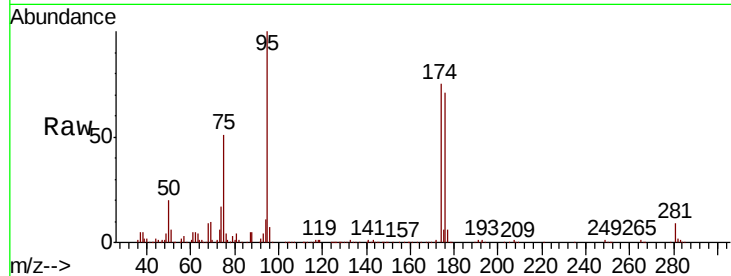
Tot Ion: 95 Resp: 210624

Ion Ratio Lower Upper

95 100

174 75.8 0.0 151.4

176 73.0 0.0 146.2



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VW010380.D

Acq: 11 May 2019 14:44

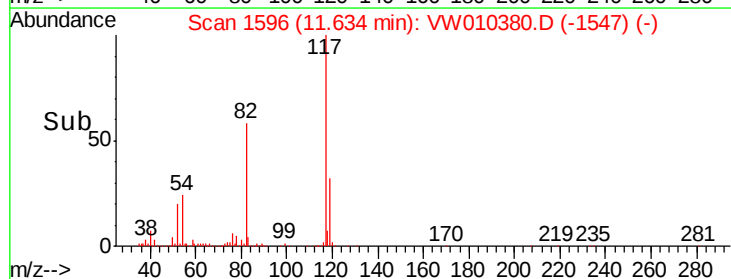
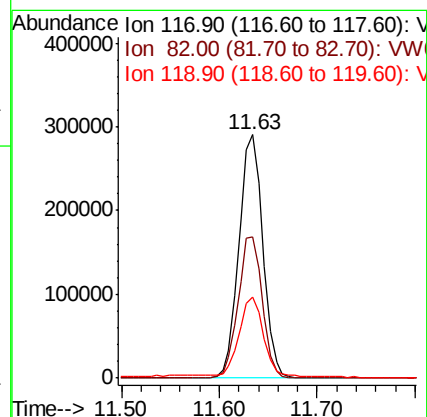
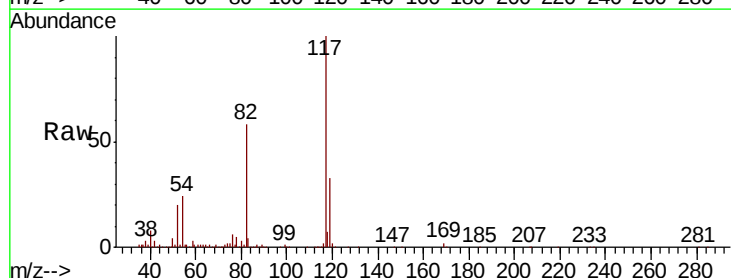
Tgt Ion: 117 Resp: 493472

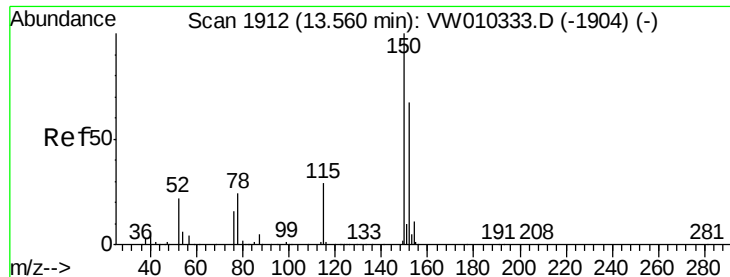
Ion Ratio Lower Upper

117 100

82 58.1 45.2 67.8

119 32.8 25.4 38.2



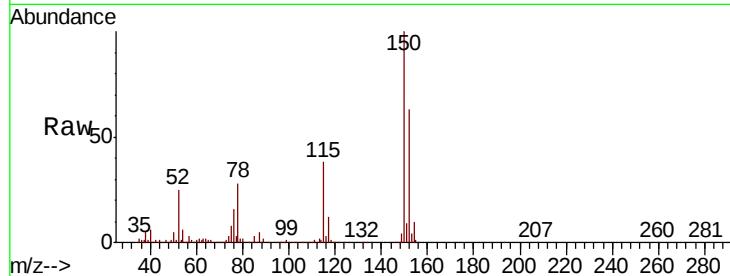


#72

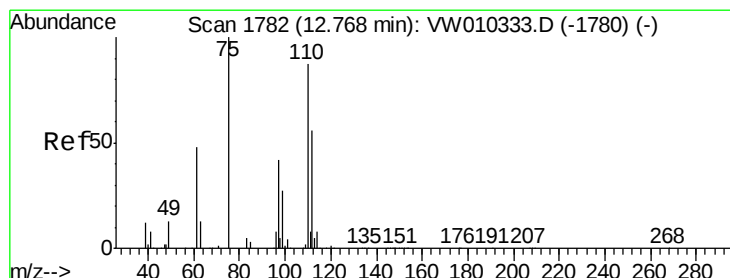
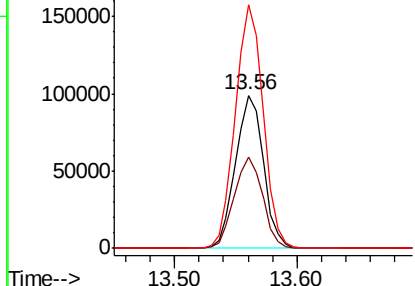
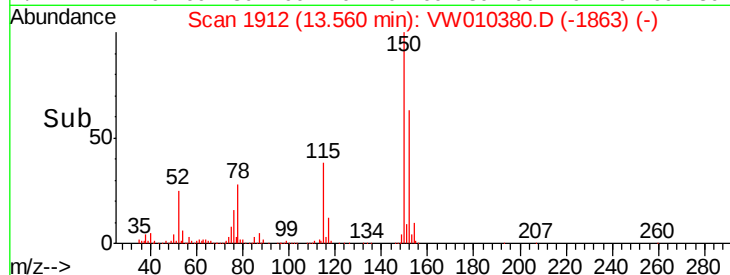
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW010380.D
Acq: 11 May 2019 14:44

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	60.2	30.4	91.2
150	158.6	0.0	347.0



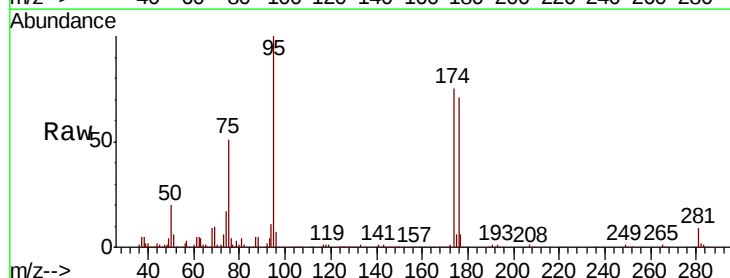
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



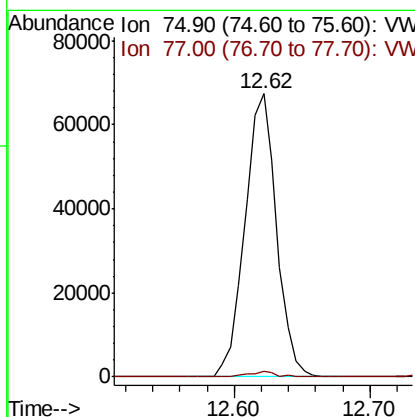
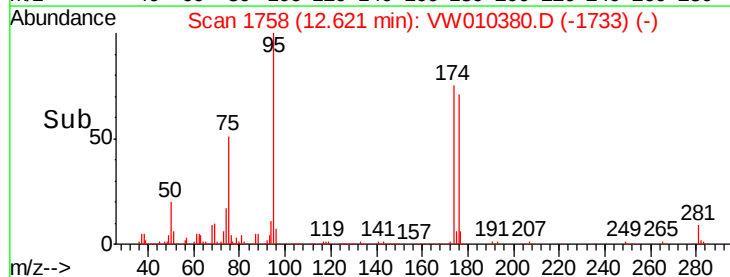
#76

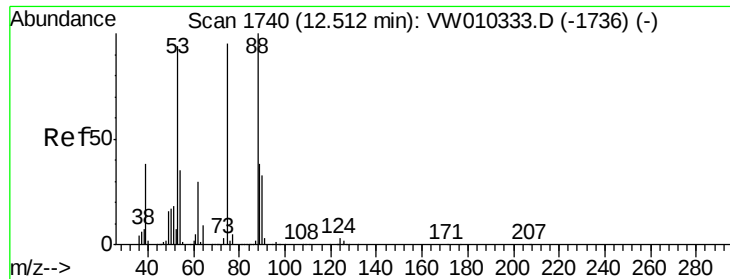
1,2,3-Trichloropropane
Concen: 59.799 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.15 min
Lab File: VW010380.D
Acq: 11 May 2019 14:44

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.7	0.0	0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 77.00 (76.70 to 77.70): VW

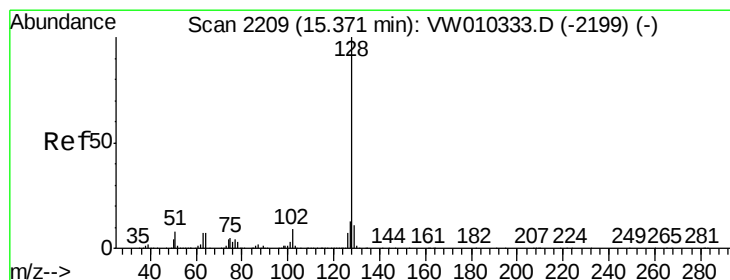
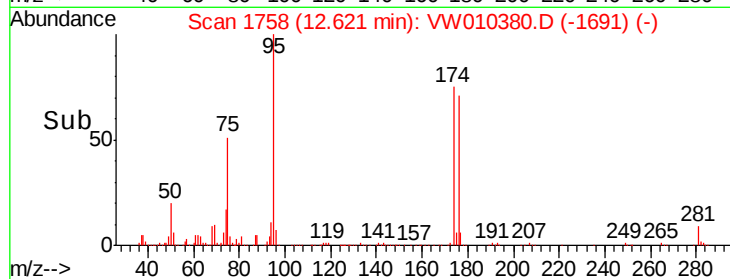
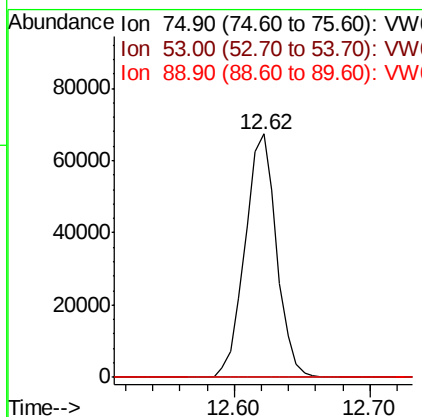
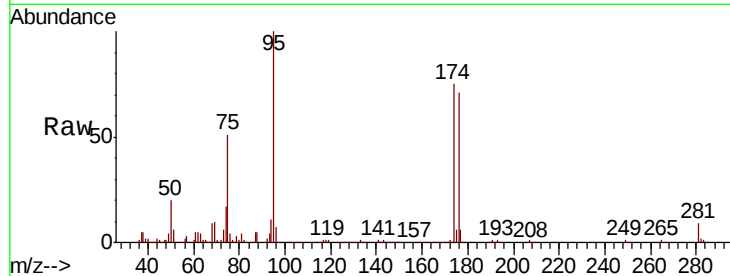




#81
trans-1,4-Dichloro-2-butene
Concen: 135.044 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.11 min
Lab File: VW010380.D
Acq: 11 May 2019 14:44

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 75 Resp: 109336
Ion Ratio Lower Upper
75 100
53 0.3 89.8 134.8#
89 0.0 36.6 54.8#



#95
Naphthalene
Concen: 4.257 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW010380.D
Acq: 11 May 2019 14:44

Tgt Ion:128 Resp: 5080
Ion Ratio Lower Upper
128 100
127 22.2 10.6 15.8#
129 6.2 8.7 13.1#

