

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW051119\
 Data File : VW010391.D
 Acq On : 11 May 2019 19:57
 Operator : SY/VA
 Sample : K2719-04
 Misc : 4.08G/5ML/MSVOA W/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: May 12 00:29:02 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

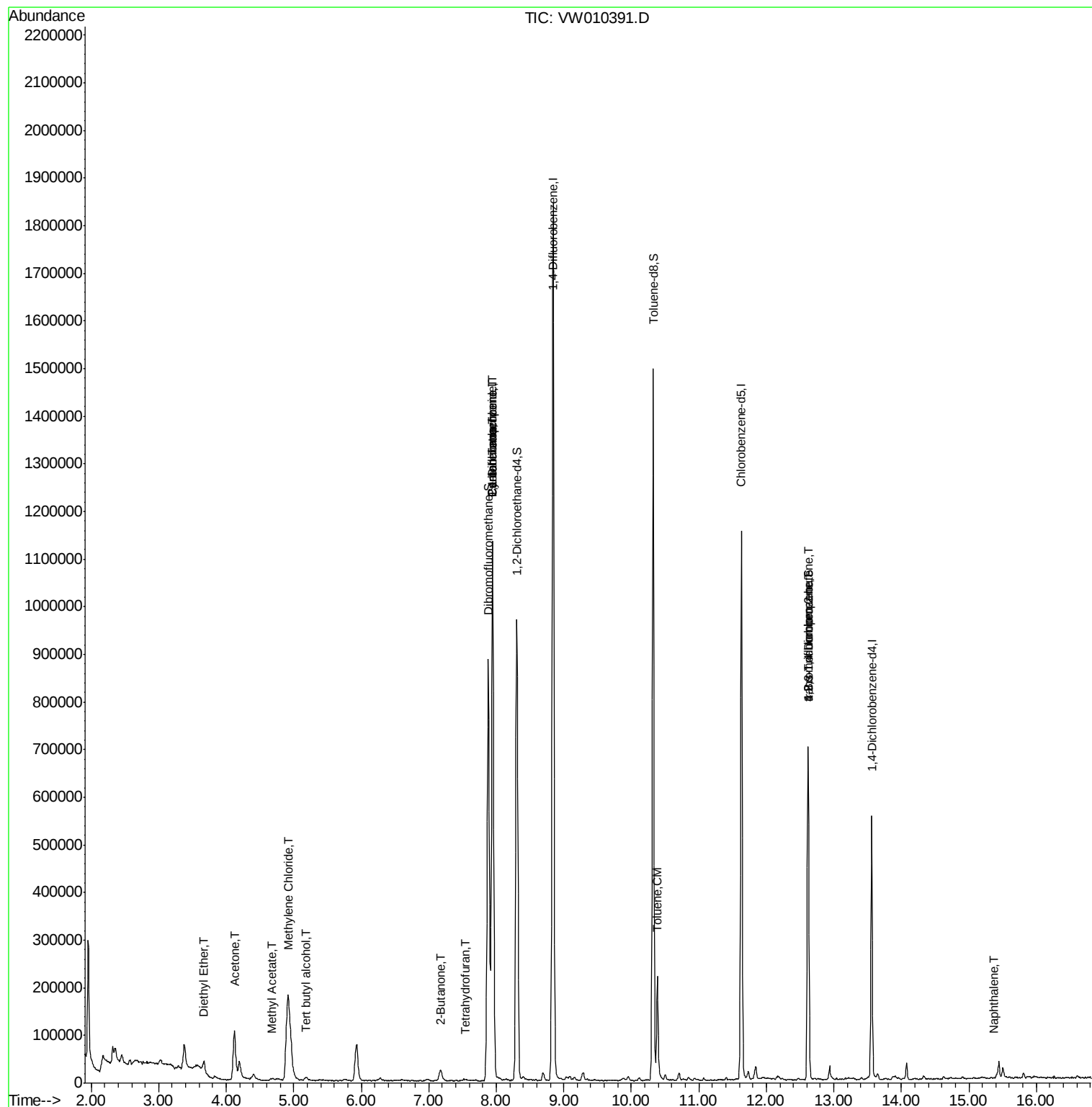
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	817649	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	1465548	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	636080	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	136360	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	759487	87.37	ug/l	0.00
Spiked Amount 50.000			Recovery	=	174.74%	
35) Dibromofluoromethane	7.88	113	639058	74.52	ug/l	0.00
Spiked Amount 50.000			Recovery	=	149.04%	
50) Toluene-d8	10.32	98	955553	27.36	ug/l	0.00
Spiked Amount 50.000			Recovery	=	54.72%	
62) 4-Bromofluorobenzene	12.62	95	219550	17.86	ug/l	0.00
Spiked Amount 50.000			Recovery	=	35.72%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.68	74	14600	3.189	ug/l	90
11) Tert butyl alcohol	5.18	59	8883	14.470	ug/l	97
16) Acetone	4.12	43	183504	80.977	ug/l	99
18) Methyl Acetate	4.68	43	9296	1.656	ug/l #	83
20) Methylene Chloride	4.91	84	166232	17.587	ug/l	91
25) 2-Butanone	7.18	43	28283	8.158	ug/l	98
29) Tetrahydrofuran	7.54	42	3348	1.493	ug/l #	88
31) Cyclohexane	7.94	56	21030	1.181	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	69925	4.400	ug/l #	50
38) Carbon Tetrachloride	7.95	117	83230	6.110	ug/l #	18
52) Toluene	10.39	92	88238	3.317	ug/l	95
76) 1,2,3-Trichloropropane	12.62	75	114486	72.011	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	114486	162.623	ug/l #	6
95) Naphthalene	15.36	128	1370	3.800	ug/l #	91

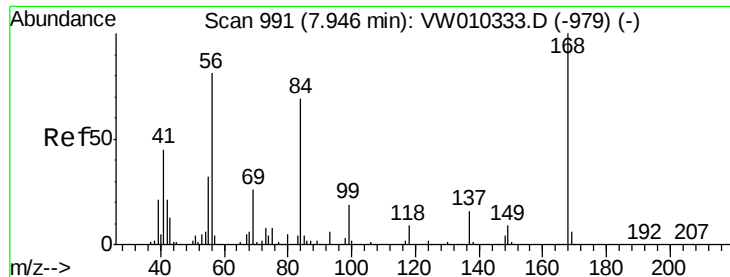
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW010391.D

Acq: 11 May 2019 19:57

Instrument :

MSVOA_W

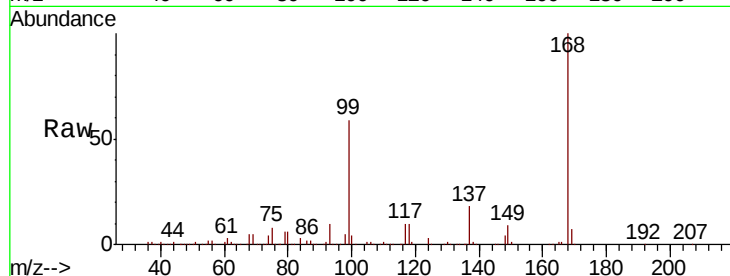
ClientSampled :

Tot Ion:168 Resp: 817649

Ion Ratio Lower Upper

168 100

99 58.9 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

400000

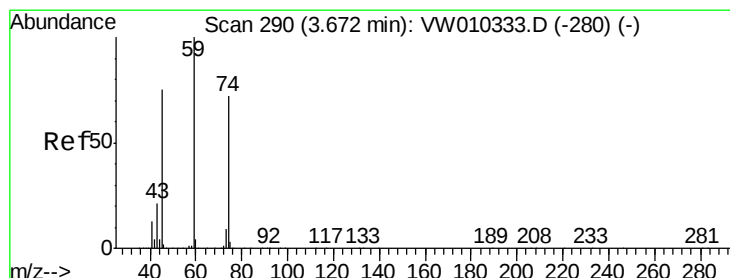
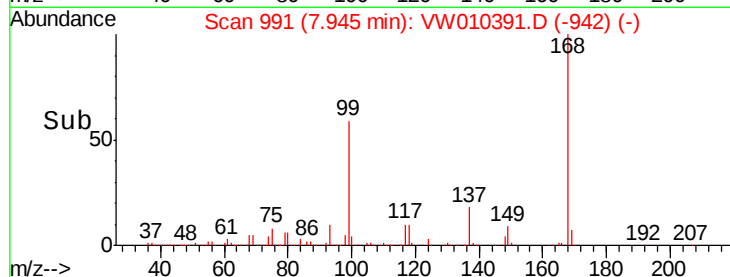
300000

200000

100000

0

Time-->



#8

Diethyl Ether

Concen: 3.189 ug/l

RT: 3.68 min Scan# 291

Delta R.T. 0.01 min

Lab File: VW010391.D

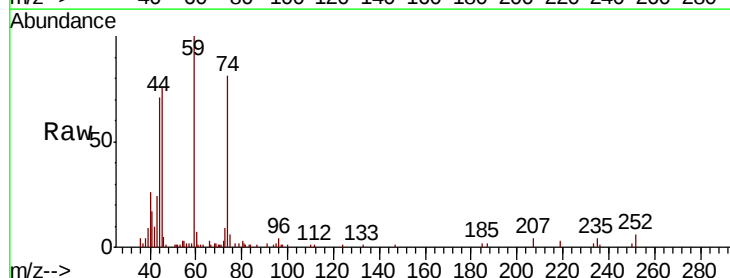
Acq: 11 May 2019 19:57

Tgt Ion: 74 Resp: 14600

Ion Ratio Lower Upper

74 100

45 101.1 56.0 168.0



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.68

8000

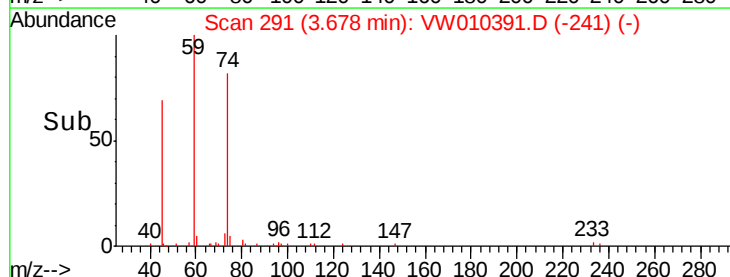
6000

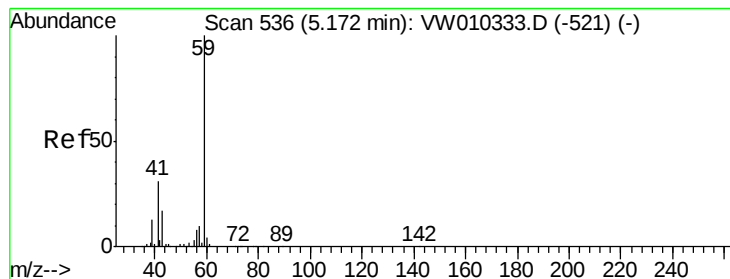
4000

2000

0

Time-->



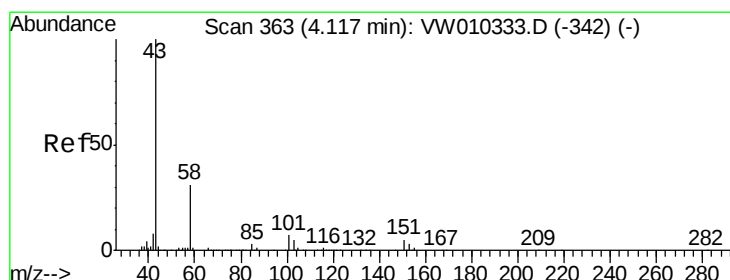
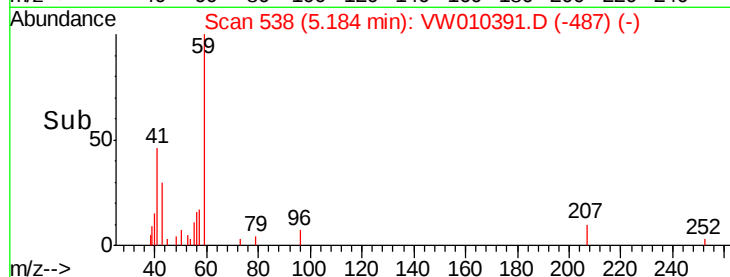
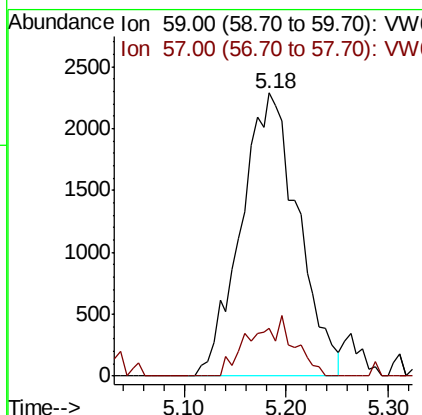
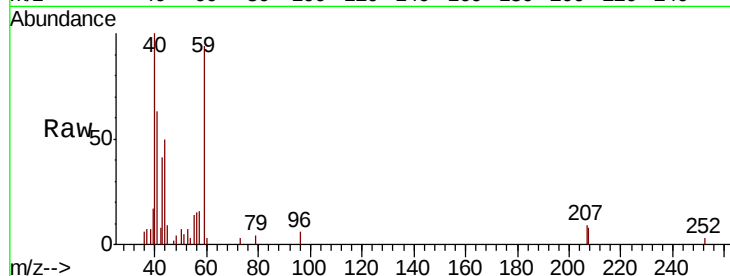


#11

Tert butyl alcohol
 Concen: 14.470 ug/l
 RT: 5.18 min Scan# 538
 Delta R.T. 0.01 min
 Lab File: VW010391.D
 Acq: 11 May 2019 19:57

Instrument :
 MSVOA_W
 ClientSampled :

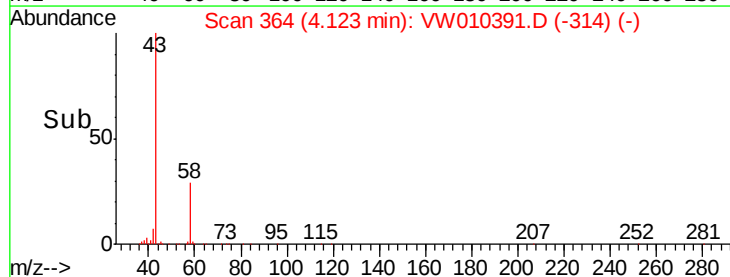
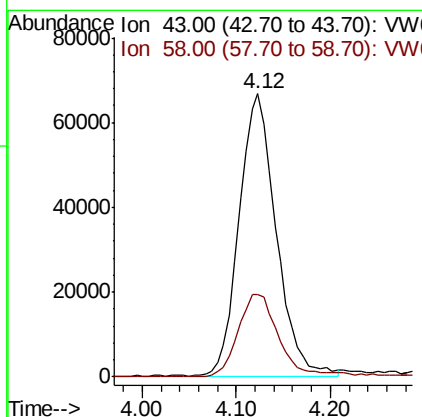
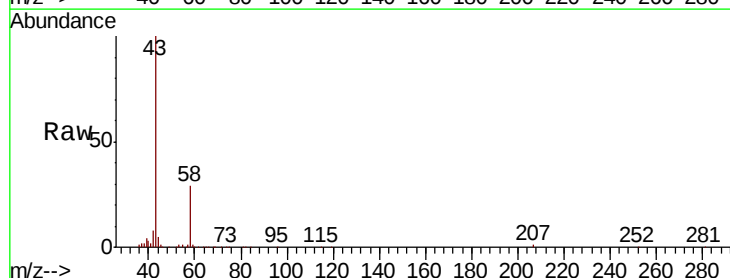
Tot Ion: 59 Resp: 8883
 Ion Ratio Lower Upper
 59 100
 57 10.1 9.0 13.4

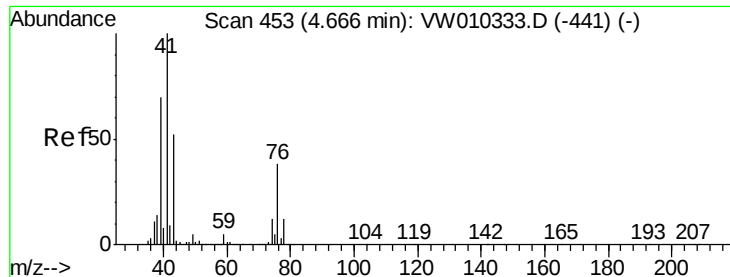


#16

Acetone
 Concen: 80.977 ug/l
 RT: 4.12 min Scan# 364
 Delta R.T. 0.01 min
 Lab File: VW010391.D
 Acq: 11 May 2019 19:57

Tgt Ion: 43 Resp: 183504
 Ion Ratio Lower Upper
 43 100
 58 28.9 22.7 34.1

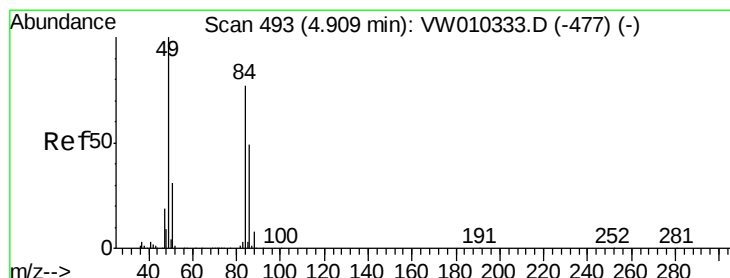
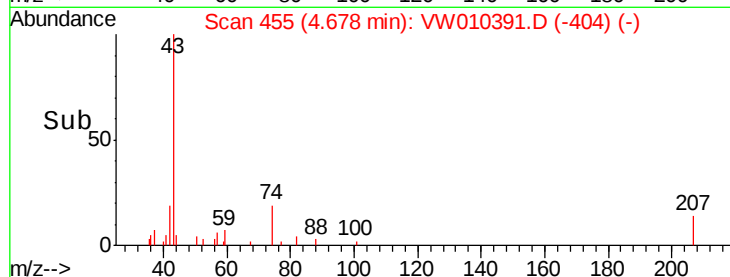
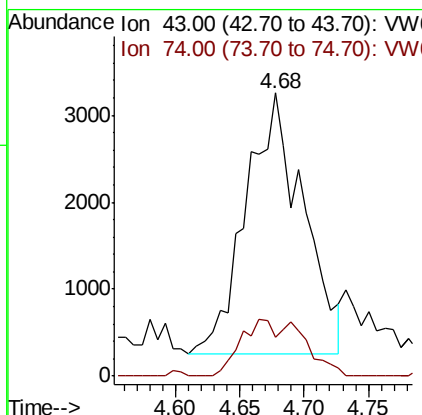
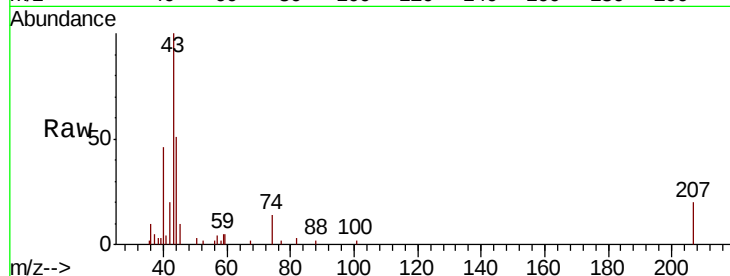




#18
Methyl Acetate
Concen: 1.656 ug/l
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW010391.D
Acq: 11 May 2019 19:57

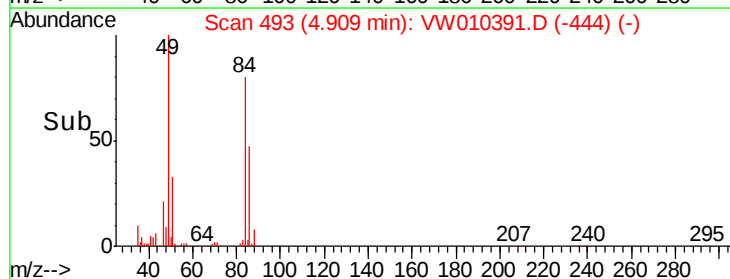
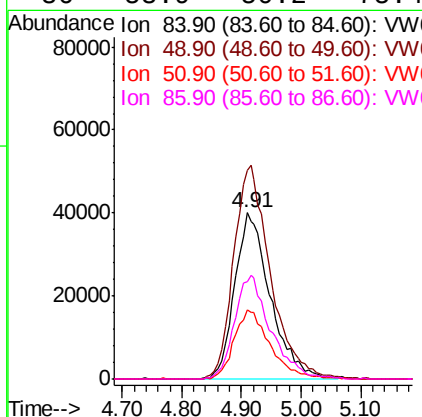
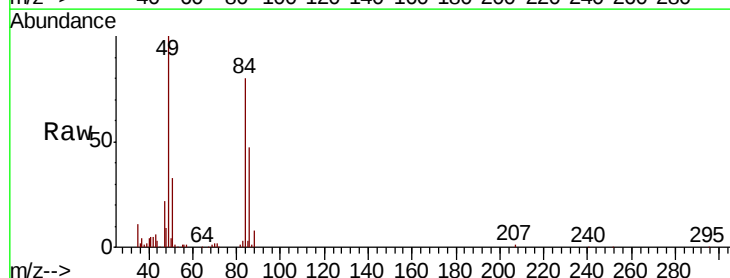
Instrument :
MSVOA_W
ClientSampleId :

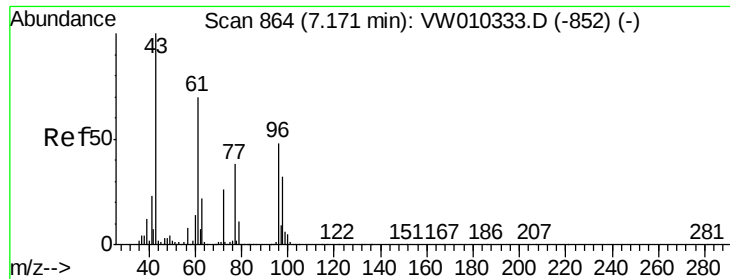
Tot Ion: 43 Resp: 9296
Ion Ratio Lower Upper
43 100
74 12.8 16.8 25.2#



#20
Methylene Chloride
Concen: 17.587 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.00 min
Lab File: VW010391.D
Acq: 11 May 2019 19:57

Tgt Ion: 84 Resp: 166232
Ion Ratio Lower Upper
84 100
49 125.3 112.3 168.5
51 41.7 33.9 50.9
86 58.9 50.2 75.4

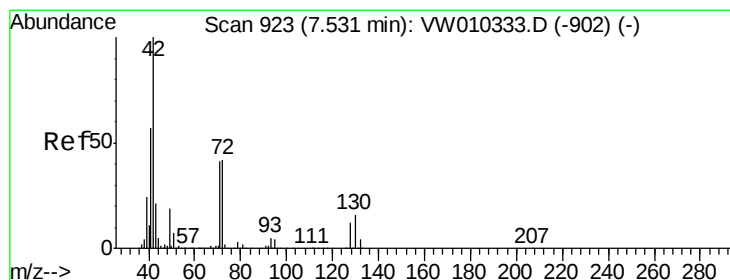
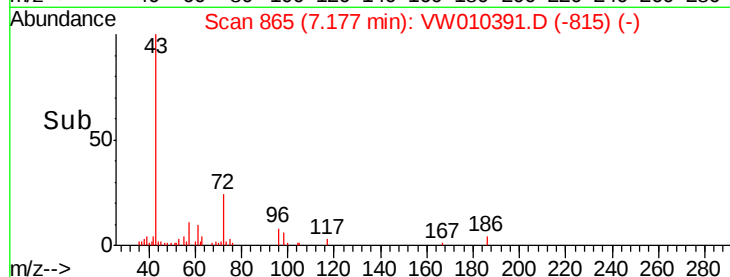
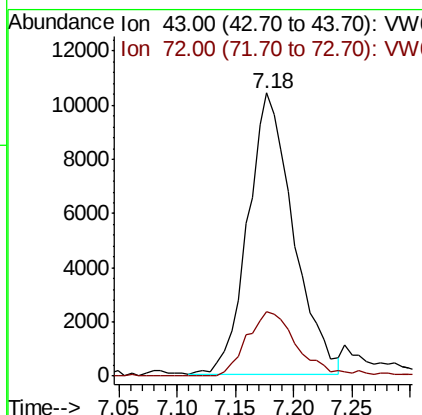
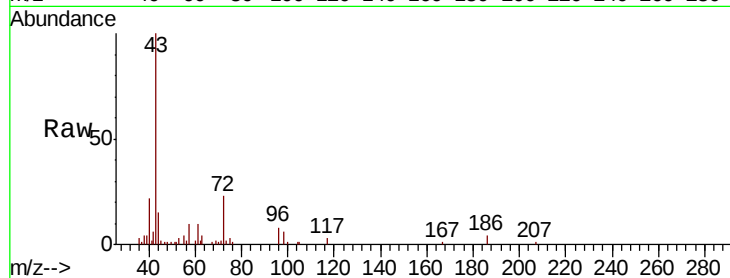




#25
2-Butanone
Concen: 8.158 ug/l
RT: 7.18 min Scan# 865
Delta R.T. 0.01 min
Lab File: VW010391.D
Acq: 11 May 2019 19:57

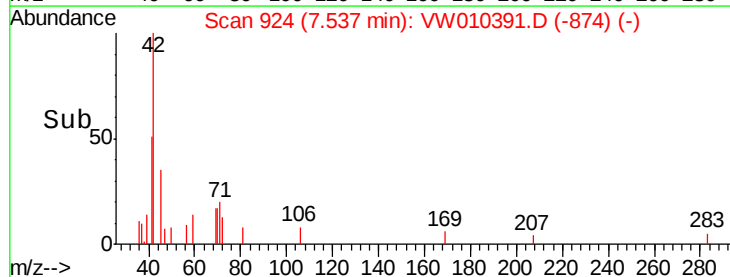
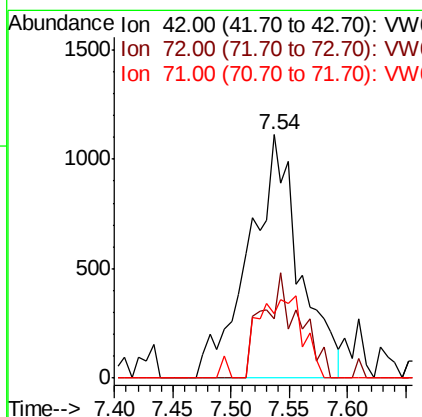
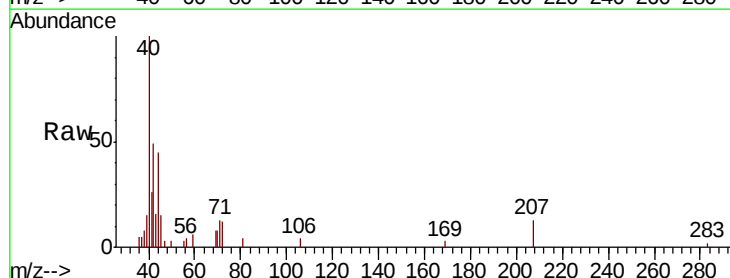
Instrument :
MSVOA_W
ClientSampleId :

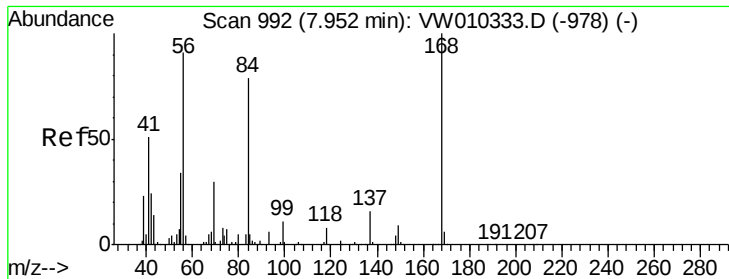
Tot Ion: 43 Resp: 28283
Ion Ratio Lower Upper
43 100
72 23.0 19.1 28.7



#29
Tetrahydrofuran
Concen: 1.493 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW010391.D
Acq: 11 May 2019 19:57

Tgt Ion: 42 Resp: 3348
Ion Ratio Lower Upper
42 100
72 31.8 31.0 46.6
71 29.4 29.7 44.5#

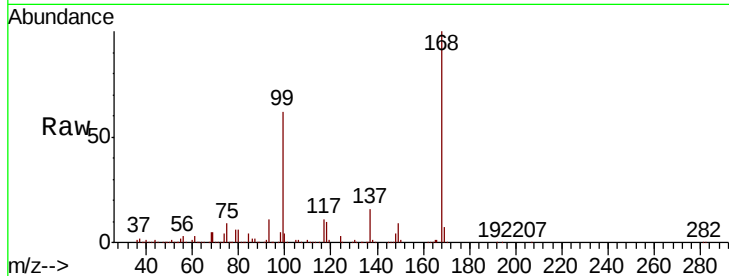




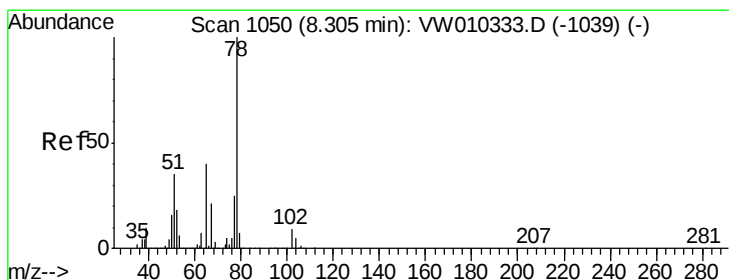
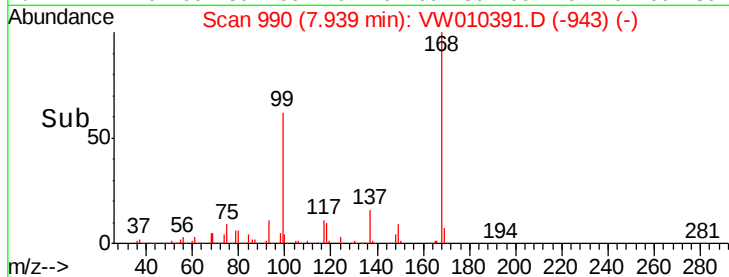
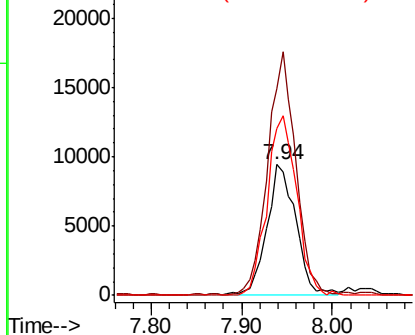
#31
Cyclohexane
Concen: 1.181 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.01 min
Lab File: VW010391.D
Acq: 11 May 2019 19:57

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 56 Resp: 21030
Ion Ratio Lower Upper
56 100
69 158.1 26.6 40.0#
84 127.4 66.2 99.2#

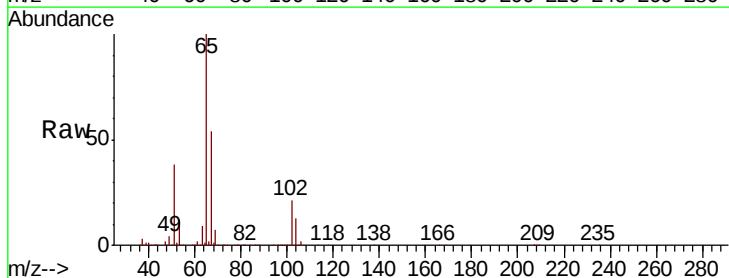


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

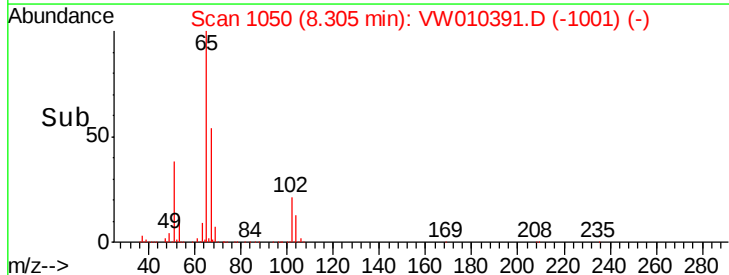
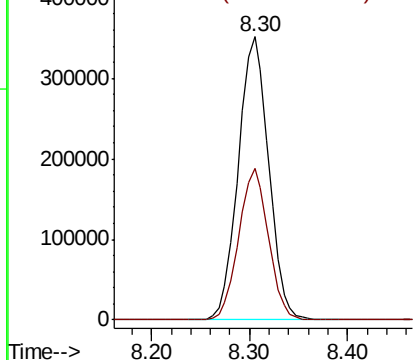


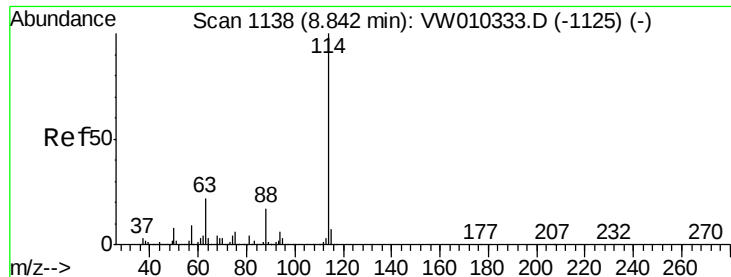
#33
1,2-Dichloroethane-d4
Concen: 87.371 ug/l
RT: 8.30 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VW010391.D
Acq: 11 May 2019 19:57

Tgt Ion: 65 Resp: 759487
Ion Ratio Lower Upper
65 100
67 52.4 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: VW010391.D

Acq: 11 May 2019 19:57

Instrument :

MSVOA_W

ClientSampleId :

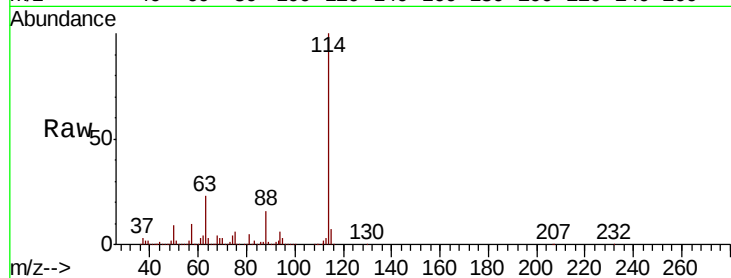
Tot Ion:114 Resp: 1465548

Ion Ratio Lower Upper

114 100

63 22.6 0.0 46.2

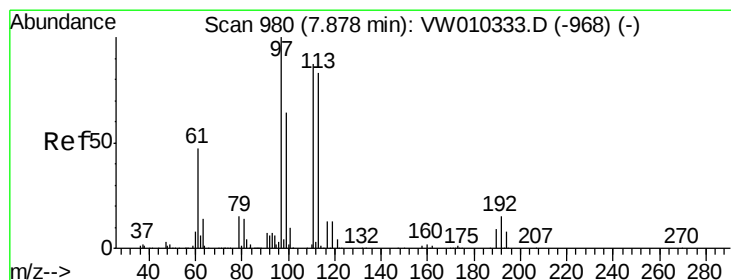
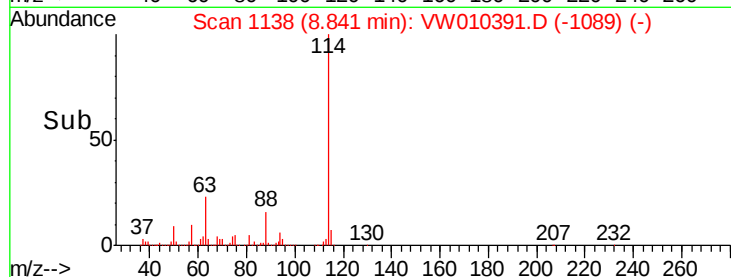
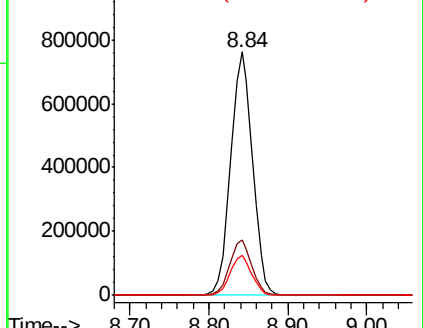
88 16.2 0.0 32.6



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: 74.515 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW010391.D

Acq: 11 May 2019 19:57

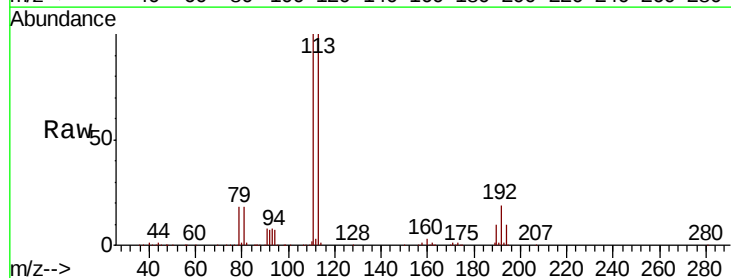
Tgt Ion:113 Resp: 639058

Ion Ratio Lower Upper

113 100

111 102.1 82.6 123.8

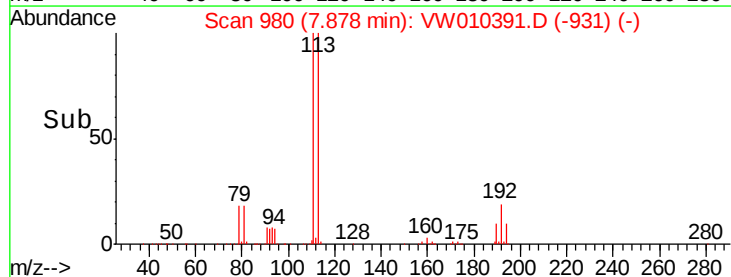
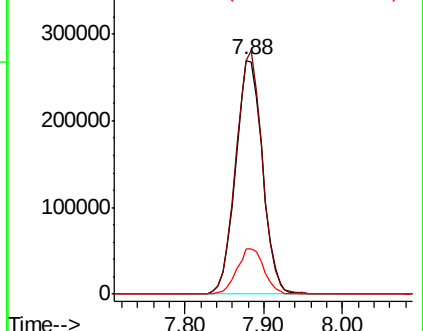
192 19.4 15.4 23.2

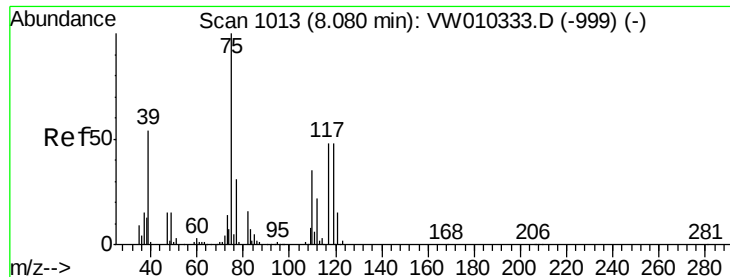


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.400 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW010391.D

Acq: 11 May 2019 19:57

Instrument :

MSVOA_W

ClientSampleId :

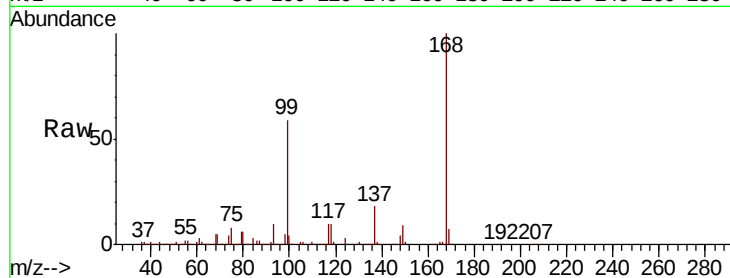
Tot Ion: 75 Resp: 69925

Ion Ratio Lower Upper

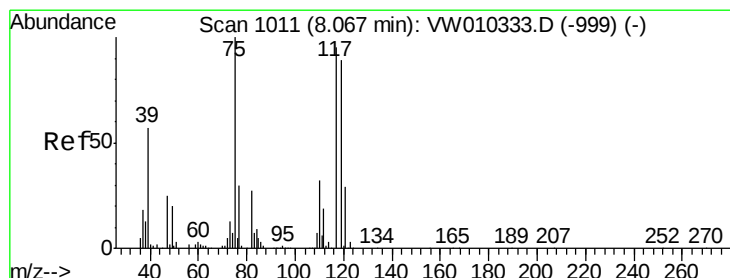
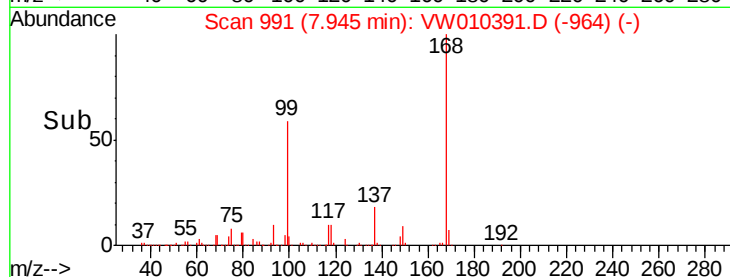
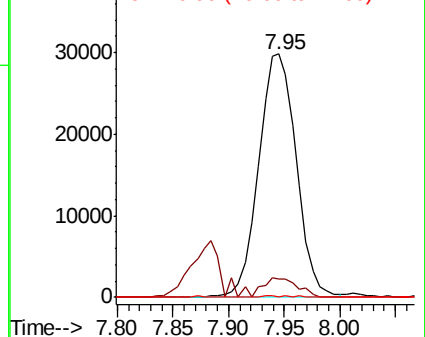
75 100

110 7.4 16.6 49.8#

77 0.4 24.8 37.2#



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): V



#38

Carbon Tetrachloride

Concen: 6.110 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW010391.D

Acq: 11 May 2019 19:57

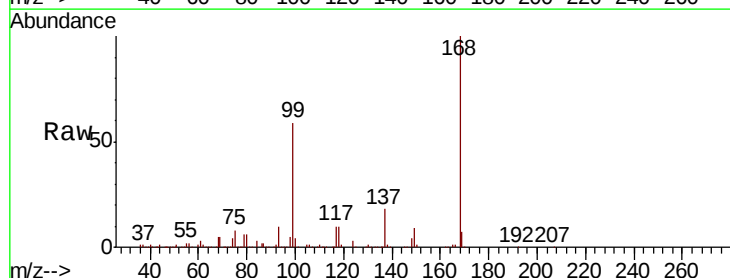
Tgt Ion: 117 Resp: 83230

Ion Ratio Lower Upper

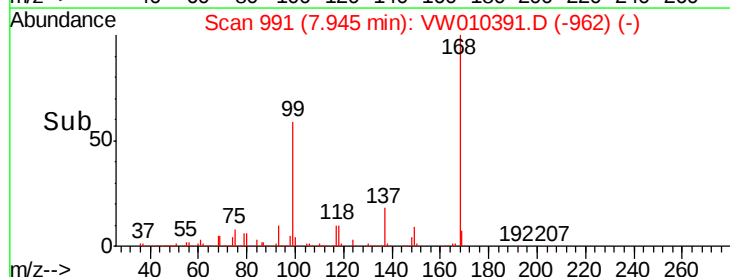
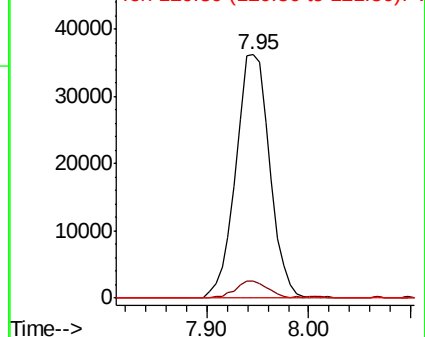
117 100

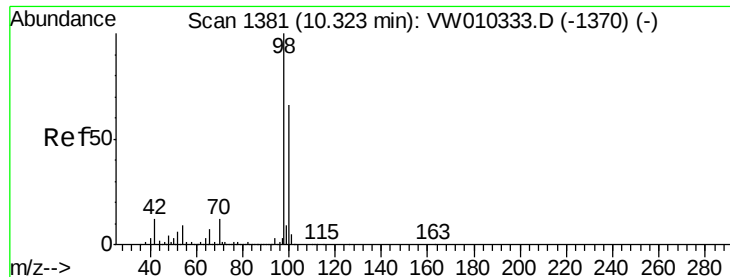
119 7.2 75.3 112.9#

121 0.0 24.4 36.6#



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 27.362 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW010391.D

Acq: 11 May 2019 19:57

Instrument :

MSVOA_W

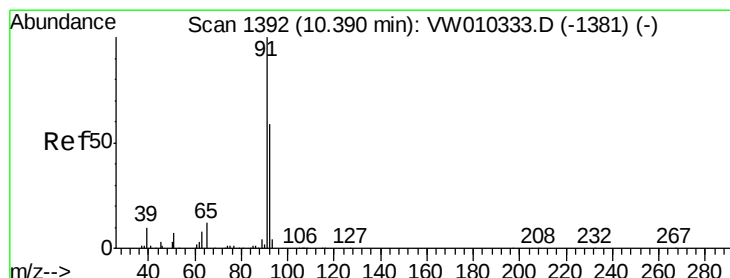
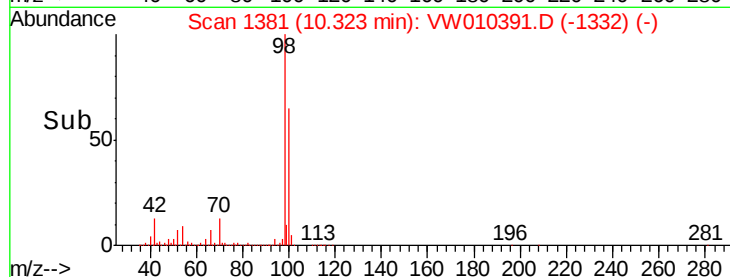
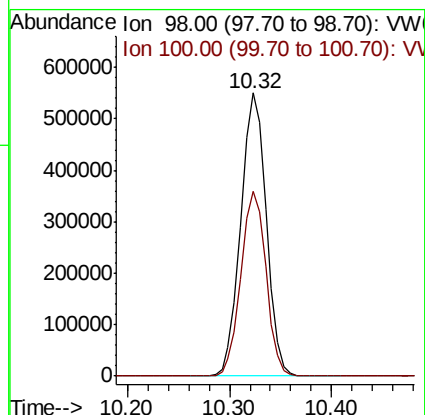
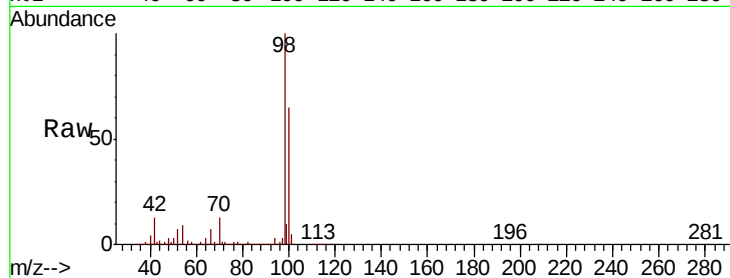
ClientSampleId :

Tot Ion: 98 Resp: 955553

Ion Ratio Lower Upper

98 100

100 64.4 52.3 78.5



#52

Toluene

Concen: 3.317 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW010391.D

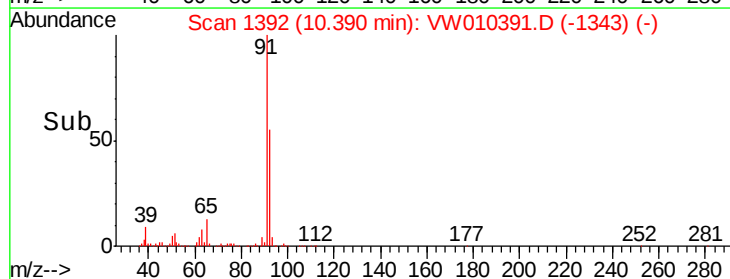
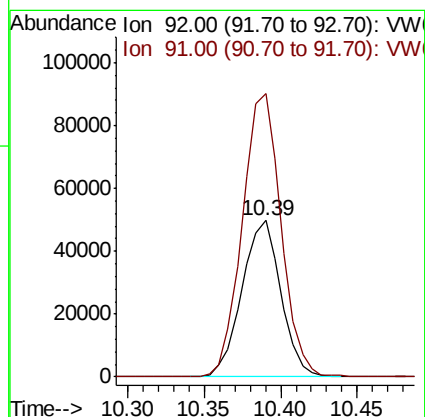
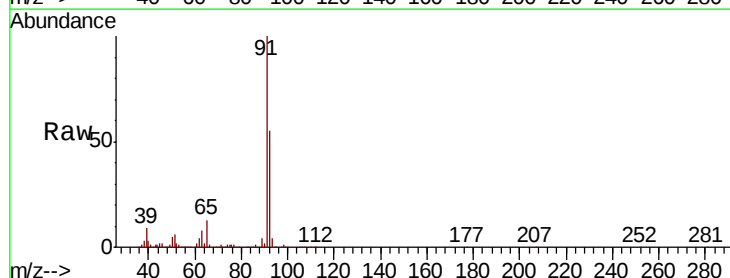
Acq: 11 May 2019 19:57

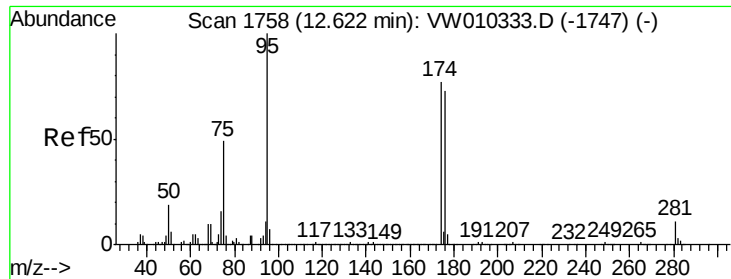
Tgt Ion: 92 Resp: 88238

Ion Ratio Lower Upper

92 100

91 180.5 138.5 207.7

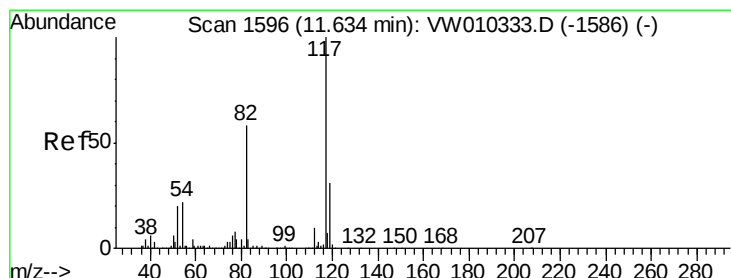
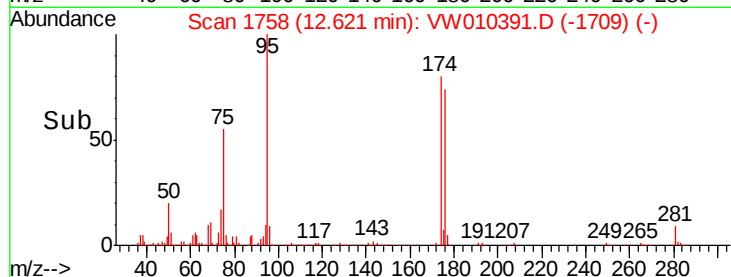
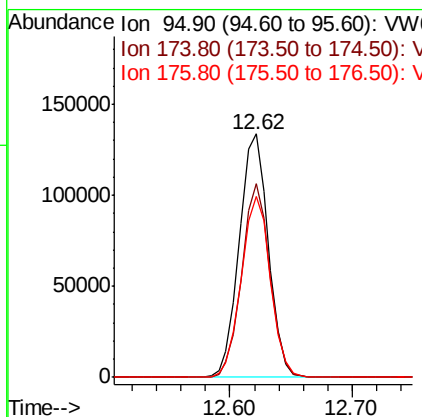
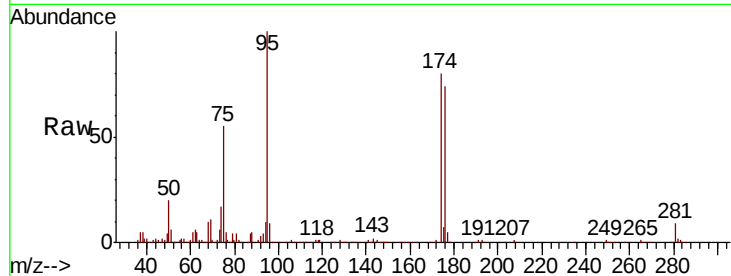




#62
4-Bromofluorobenzene
Concen: 17.860 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW010391.D
Acq: 11 May 2019 19:57

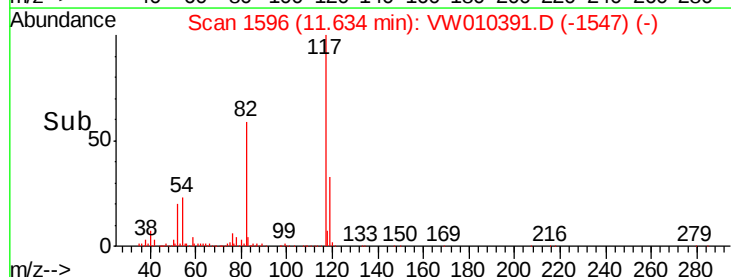
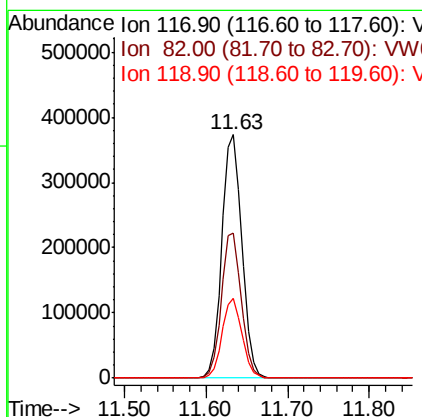
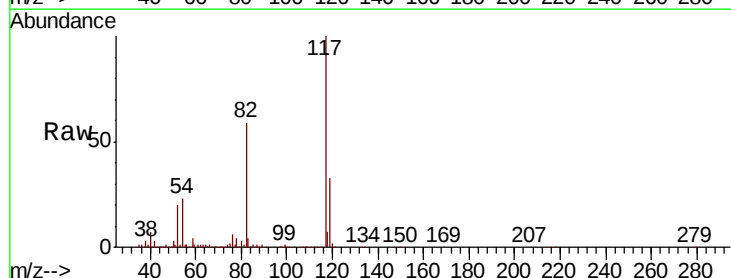
Instrument :
MSVOA_W
ClientSampleId :

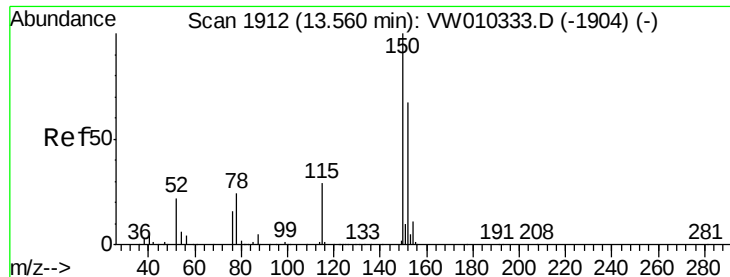
Tot Ion	Ratio	Lower	Upper
95	100		
174	77.6	0.0	151.4
176	74.7	0.0	146.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010391.D
Acq: 11 May 2019 19:57

Tgt Ion	Ratio	Lower	Upper
117	100		
82	59.3	45.2	67.8
119	32.8	25.4	38.2



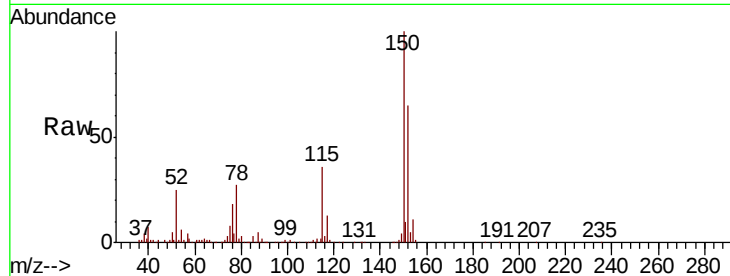


#72

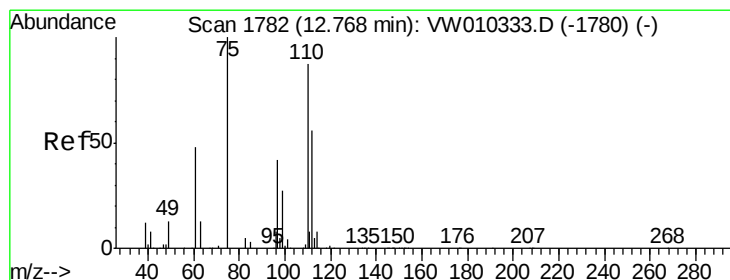
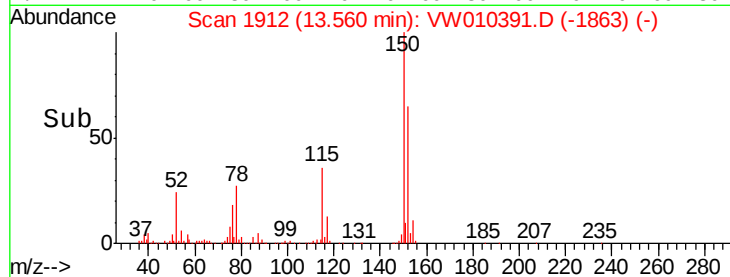
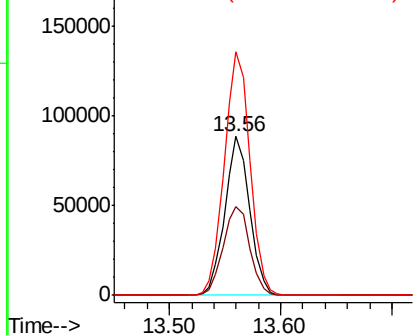
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW010391.D
Acq: 11 May 2019 19:57

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	59.8	30.4	91.2
150	159.1	0.0	347.0



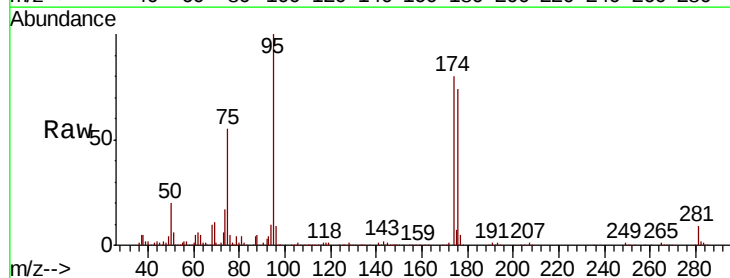
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



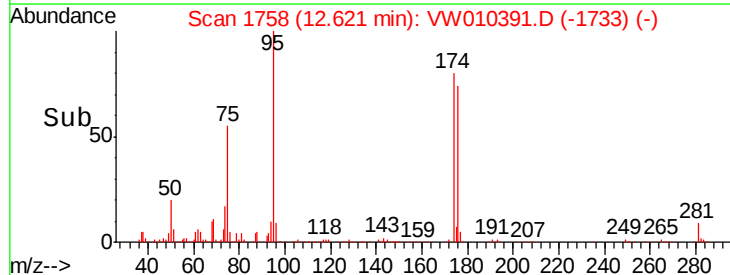
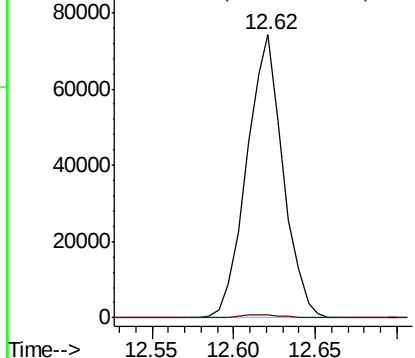
#76

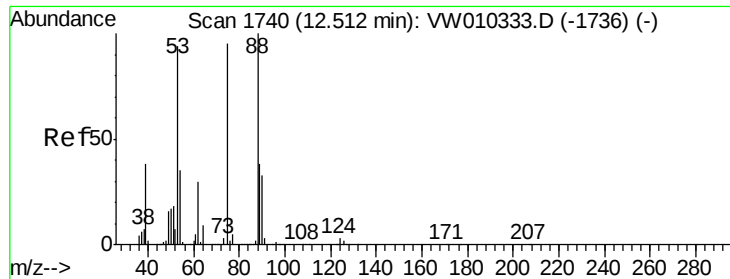
1,2,3-Trichloropropane
Concen: 72.011 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.15 min
Lab File: VW010391.D
Acq: 11 May 2019 19:57

Tgt 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: 162.623 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW010391.D

Acq: 11 May 2019 19:57

Instrument :

MSVOA_W

ClientSampleId :

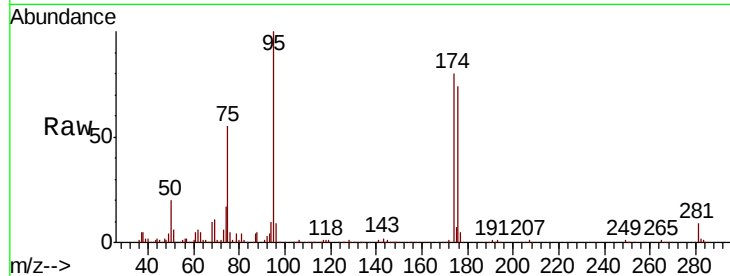
Tot Ion: 75 Resp: 114486

Ion Ratio Lower Upper

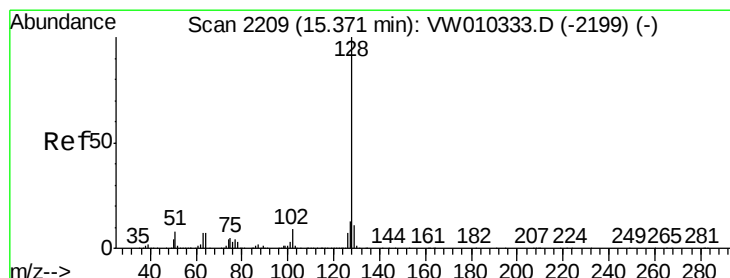
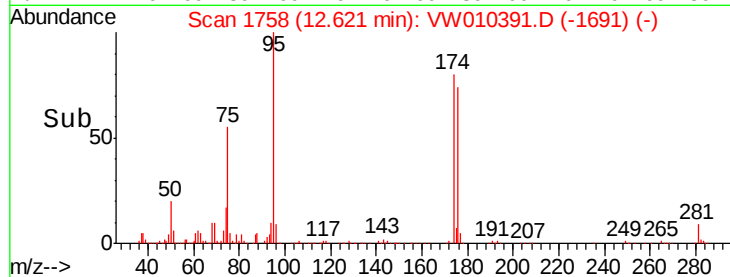
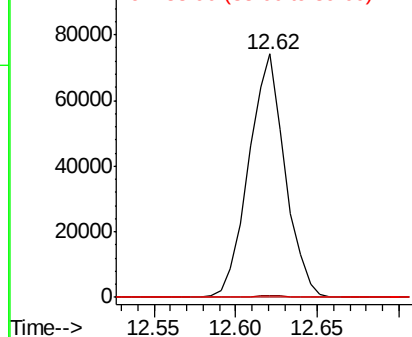
75 100

53 0.7 89.8 134.8#

89 0.0 36.6 54.8#



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: 3.800 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. -0.01 min

Lab File: VW010391.D

Acq: 11 May 2019 19:57

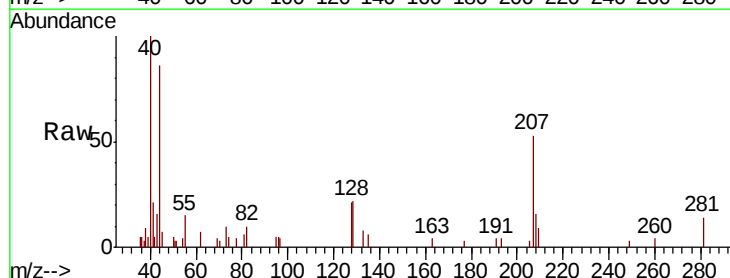
Tgt Ion: 128 Resp: 1370

Ion Ratio Lower Upper

128 100

127 7.7 10.6 15.8#

129 10.0 8.7 13.1



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

