

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW051119\
 Data File : VW010394.D
 Acq On : 11 May 2019 21:22
 Operator : SY/VA
 Sample : K2734-11
 Misc : 5.26G/5ML/MSVOA W/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: May 12 00:30:24 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

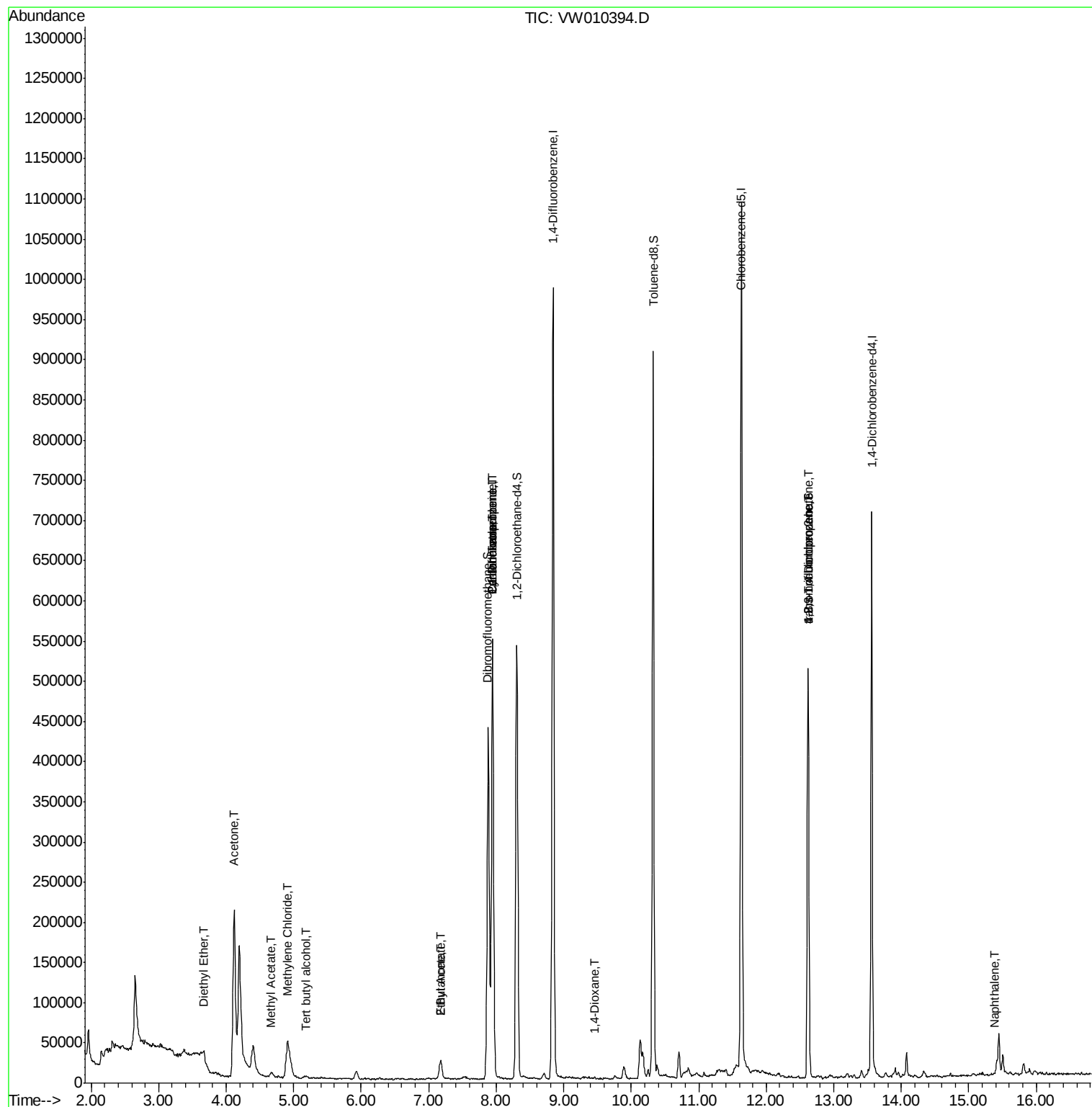
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	394199	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	785925	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	594474	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	175717	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	419029	99.99	ug/l	0.00
Spiked Amount 50.000			Recovery	=	199.98%	
35) Dibromofluoromethane	7.88	113	308490	67.08	ug/l	0.00
Spiked Amount 50.000			Recovery	=	134.16%	
50) Toluene-d8	10.32	98	580326	30.99	ug/l	0.00
Spiked Amount 50.000			Recovery	=	61.98%	
62) 4-Bromofluorobenzene	12.62	95	157125	23.83	ug/l	0.00
Spiked Amount 50.000			Recovery	=	47.66%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.67	74	11248	5.097	ug/l	86
11) Tert butyl alcohol	5.18	59	4578	15.468	ug/l #	90
16) Acetone	4.12	43	374291	342.591	ug/l	98
18) Methyl Acetate	4.67	43	12181	4.501	ug/l	97
20) Methylene Chloride	4.91	84	46603	10.227	ug/l	88
25) 2-Butanone	7.18	43	35465	21.219	ug/l	95
31) Cyclohexane	7.94	56	9645	1.124	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	35006	4.108	ug/l #	51
37) Ethyl Acetate	7.18	43	35465	7.816	ug/l #	71
38) Carbon Tetrachloride	7.94	117	40998	5.612	ug/l #	17
49) 1,4-Dioxane	9.45	88	76	1.454	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	82237	40.141	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	82237	90.650	ug/l #	6
95) Naphthalene	15.38	128	2740	3.913	ug/l #	89

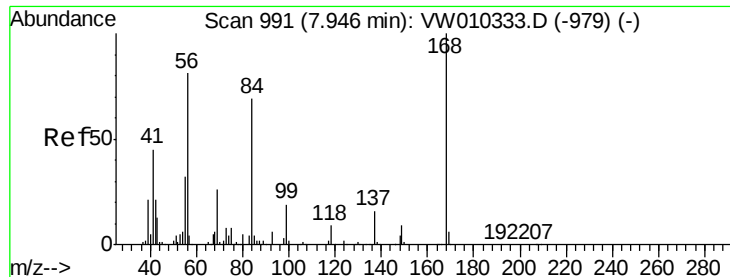
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW010394.D

Acq: 11 May 2019 21:22

Instrument :

MSVOA_W

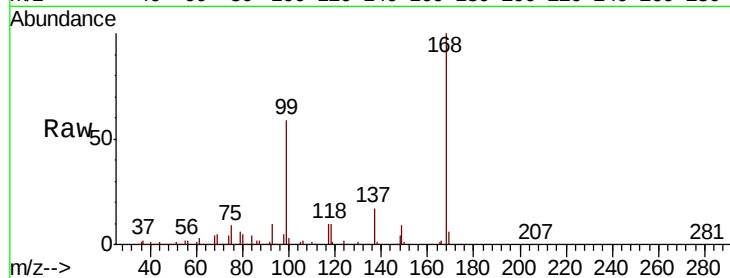
ClientSampleId :

Tot Ion:168 Resp: 394199

Ion Ratio Lower Upper

168 100

99 58.7 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

200000

150000

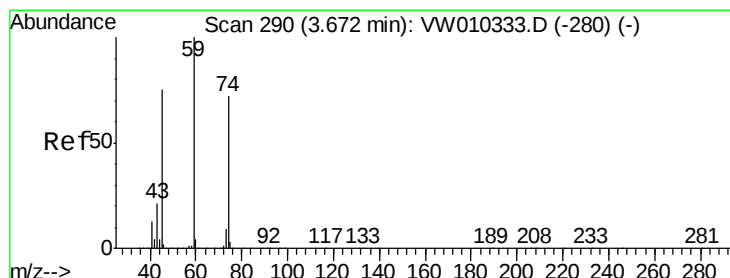
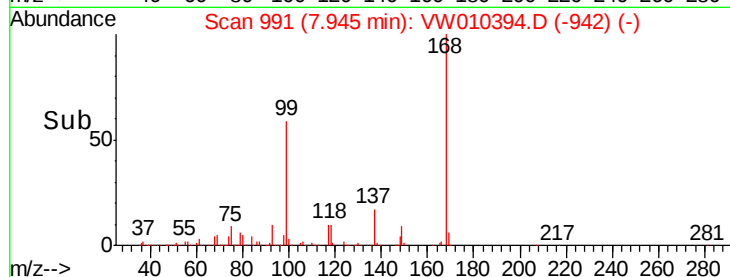
100000

50000

0

7.90 8.00

Time-->



#8

Diethyl Ether

Concen: 5.097 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.00 min

Lab File: VW010394.D

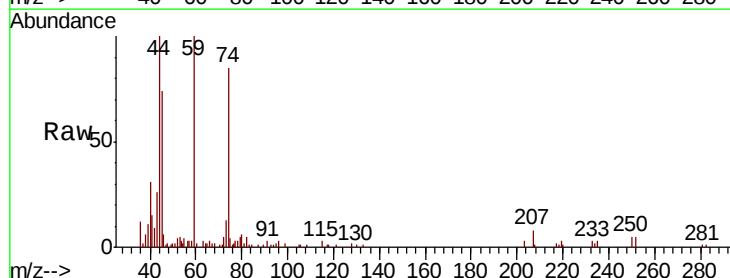
Acq: 11 May 2019 21:22

Tgt Ion: 74 Resp: 11248

Ion Ratio Lower Upper

74 100

45 97.0 56.0 168.0



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.67

6000

5000

4000

3000

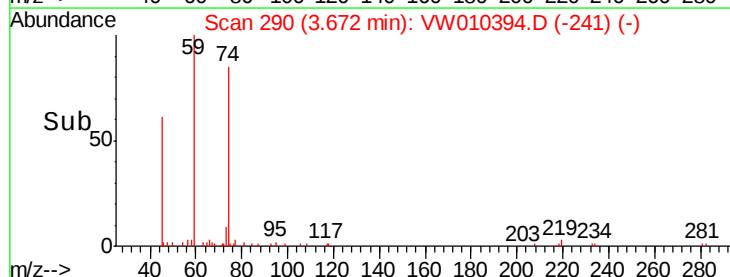
2000

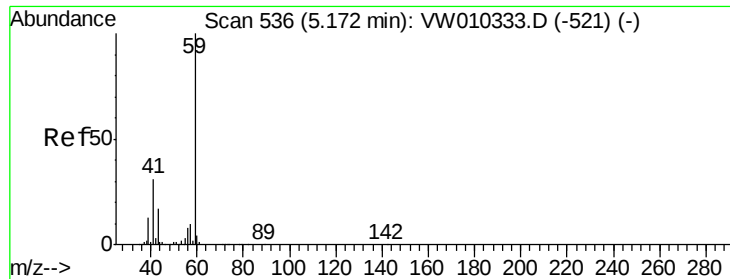
1000

0

3.60 3.65 3.70 3.75

Time-->

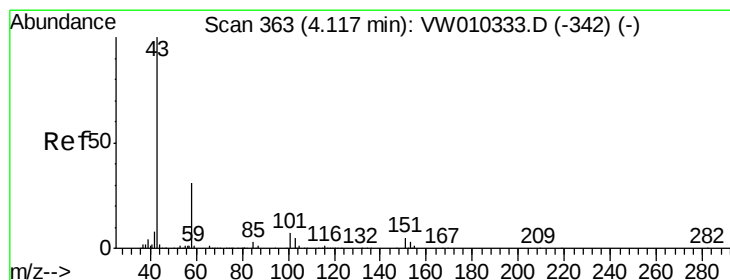
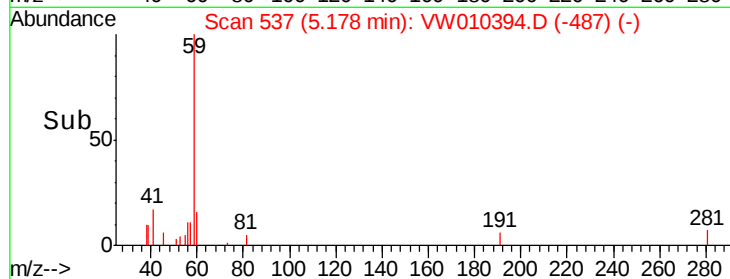
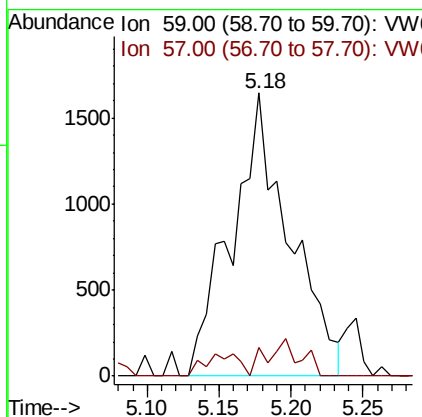
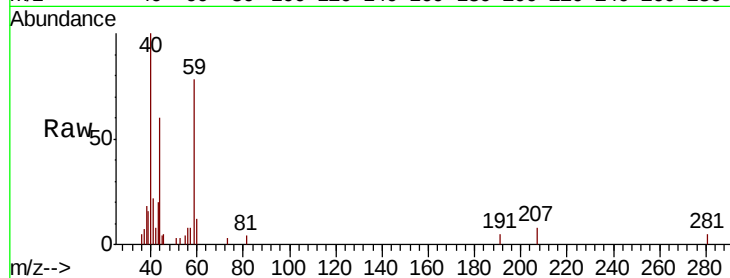




#11
Tert butyl alcohol
Concen: 15.468 ug/l
RT: 5.18 min Scan# 537
Delta R.T. 0.01 min
Lab File: VW010394.D
Acq: 11 May 2019 21:22

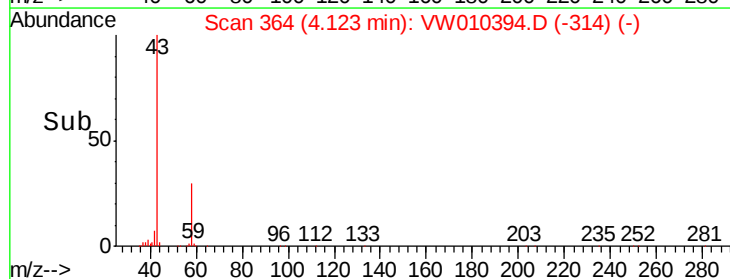
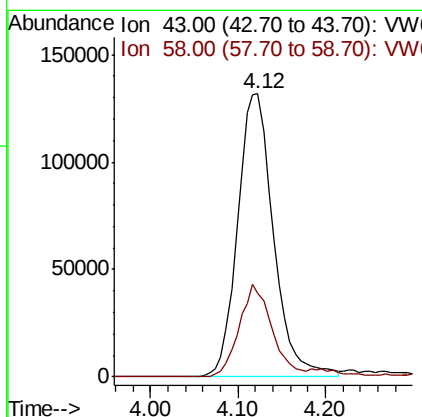
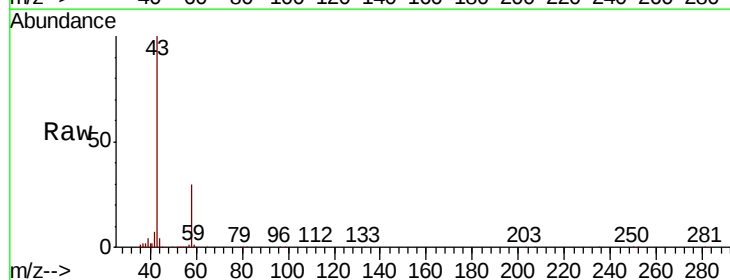
Instrument :
MSVOA_W
ClientSampleId :

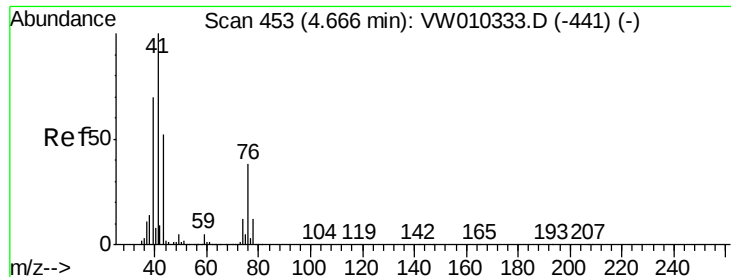
Tot Ion: 59 Resp: 4578
Ion Ratio Lower Upper
59 100
57 7.4 9.0 13.4#



#16
Acetone
Concen: 342.591 ug/l
RT: 4.12 min Scan# 364
Delta R.T. 0.01 min
Lab File: VW010394.D
Acq: 11 May 2019 21:22

Tgt Ion: 43 Resp: 374291
Ion Ratio Lower Upper
43 100
58 29.6 22.7 34.1

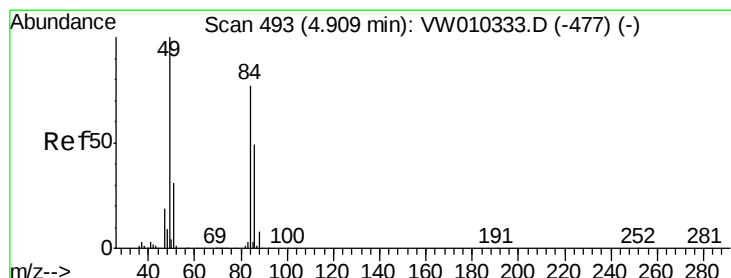
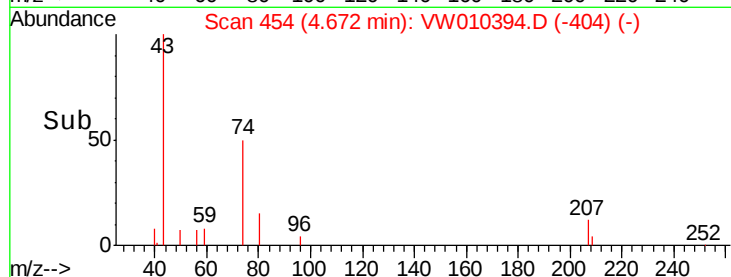
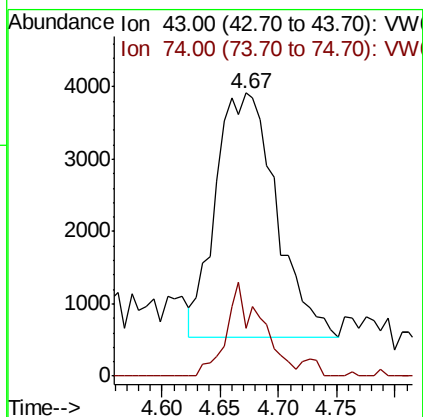
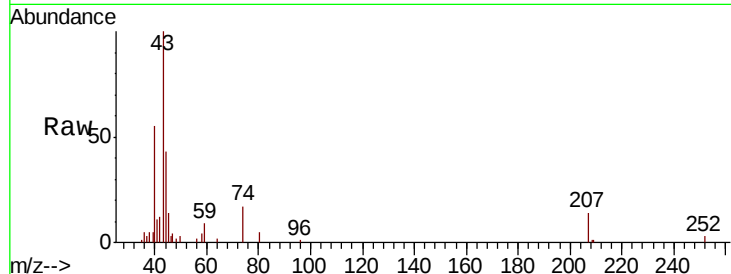




#18
Methyl Acetate
Concen: 4.501 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW010394.D
Acq: 11 May 2019 21:22

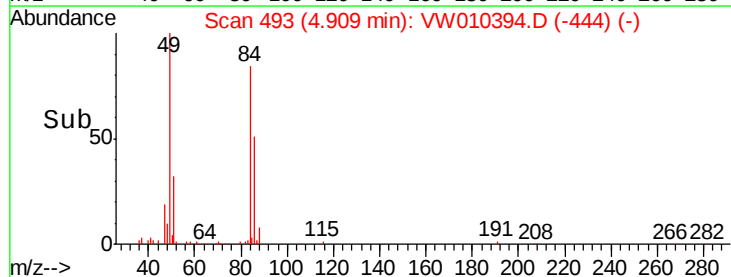
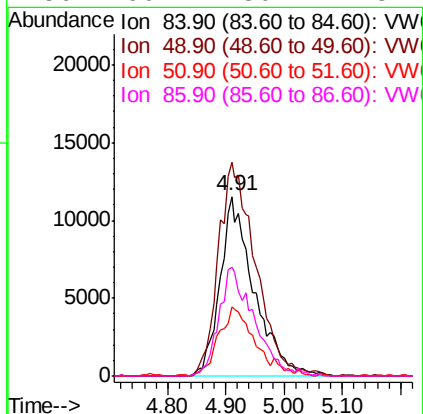
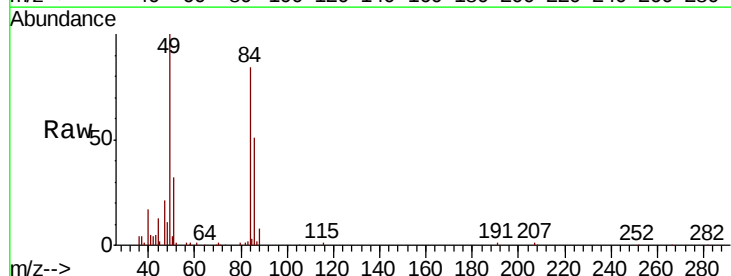
Instrument :
MSVOA_W
ClientSampled :

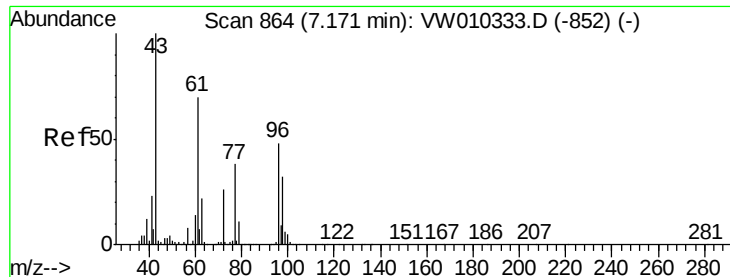
Tot Ion: 43 Resp: 12181
Ion Ratio Lower Upper
43 100
74 22.3 16.8 25.2



#20
Methylene Chloride
Concen: 10.227 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.00 min
Lab File: VW010394.D
Acq: 11 May 2019 21:22

Tgt Ion: 84 Resp: 46603
Ion Ratio Lower Upper
84 100
49 119.0 112.3 168.5
51 38.4 33.9 50.9
86 60.7 50.2 75.4





#25

2-Butanone

Concen: 21.219 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW010394.D

Acq: 11 May 2019 21:22

Instrument :

MSVOA_W

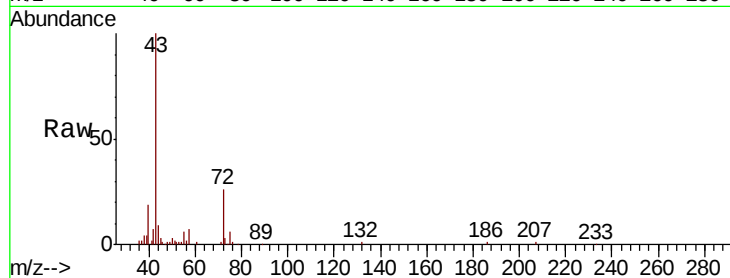
ClientSampleId :

Tot Ion: 43 Resp: 35465

Ion Ratio Lower Upper

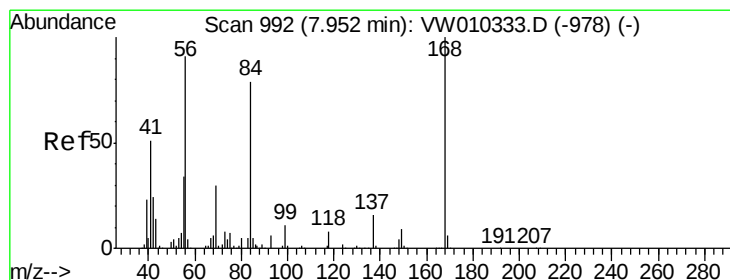
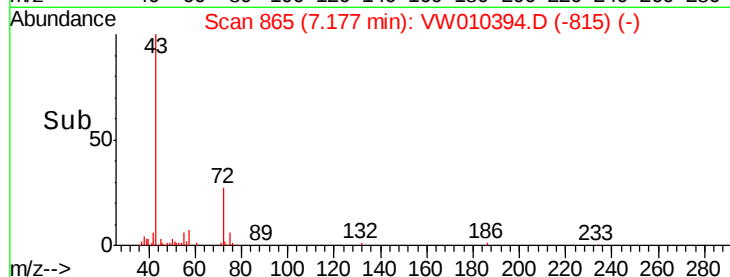
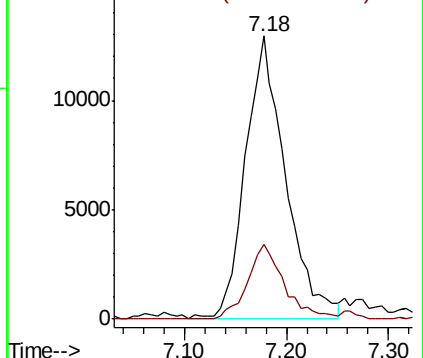
43 100

72 26.5 19.1 28.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#31

Cyclohexane

Concen: 1.124 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW010394.D

Acq: 11 May 2019 21:22

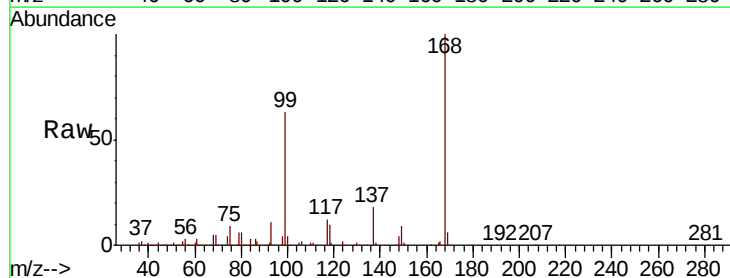
Tgt Ion: 56 Resp: 9645

Ion Ratio Lower Upper

56 100

69 184.3 26.6 40.0#

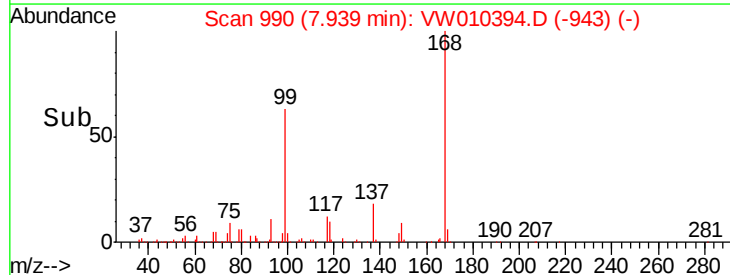
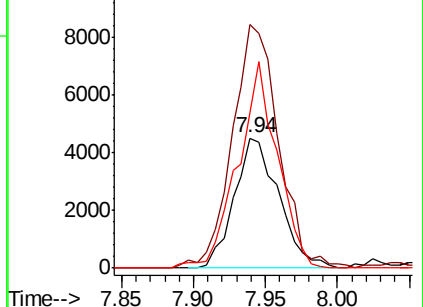
84 119.7 66.2 99.2#

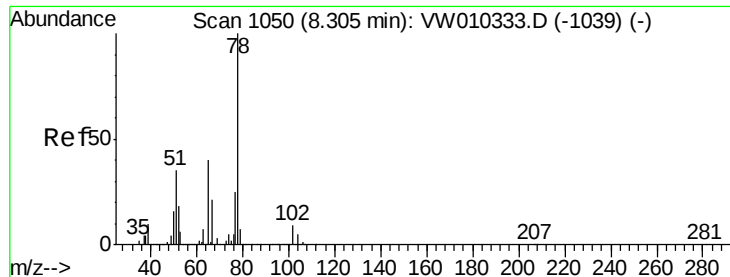


Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW





#33

1,2-Dichloroethane-d4

Concen: 99.986 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW010394.D

Acq: 11 May 2019 21:22

Instrument :

MSVOA_W

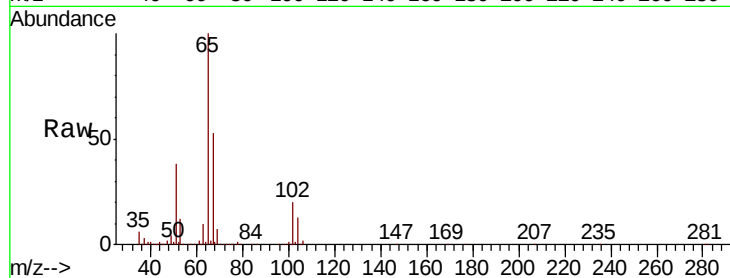
ClientSampleId :

Tot Ion: 65 Resp: 419029

Ion Ratio Lower Upper

65 100

67 52.7 0.0 100.8



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

8.31

200000

150000

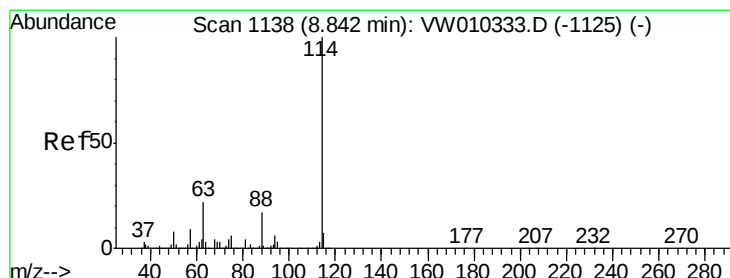
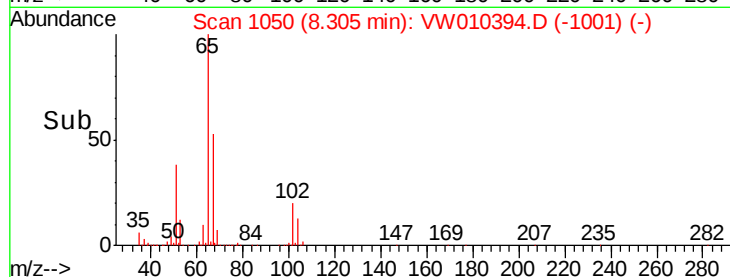
100000

50000

0

8.20 8.30 8.40 8.50

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW010394.D

Acq: 11 May 2019 21:22

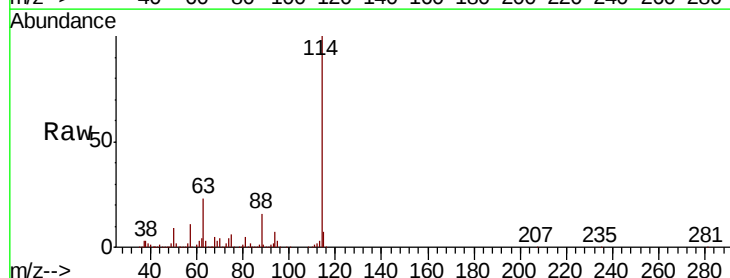
Tgt Ion: 114 Resp: 785925

Ion Ratio Lower Upper

114 100

63 22.6 0.0 46.2

88 16.3 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

8.84

500000

400000

300000

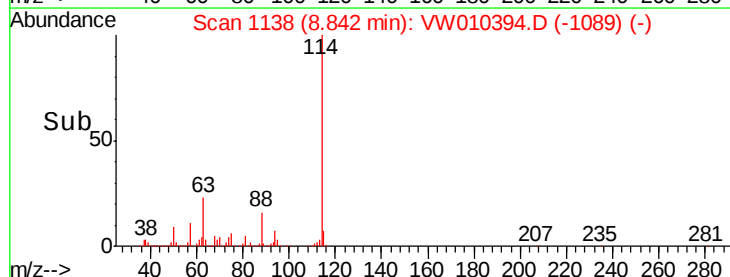
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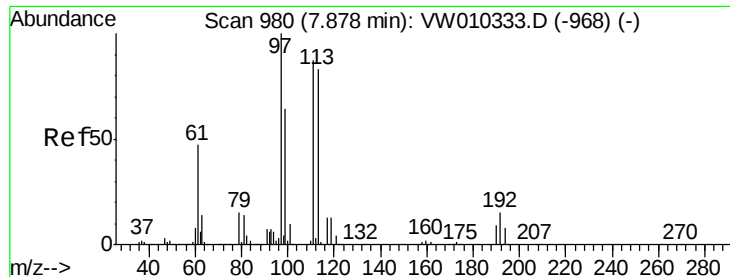
100000

0

8.75 8.80 8.85 8.90 8.95

Time-->

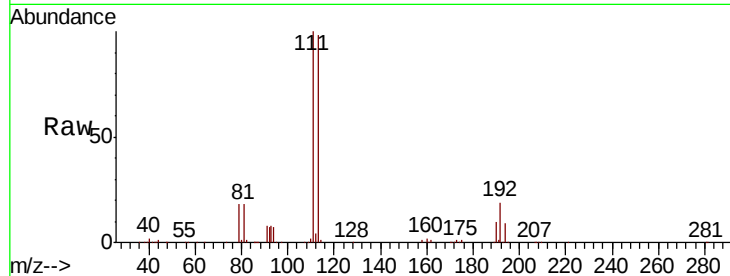




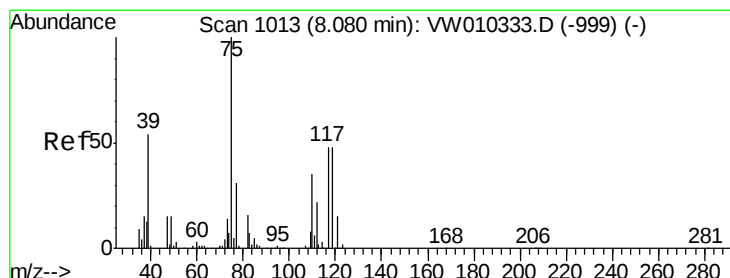
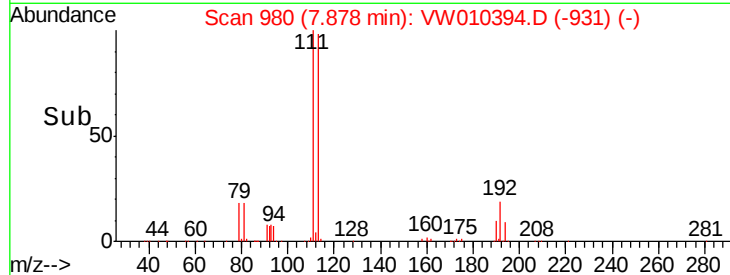
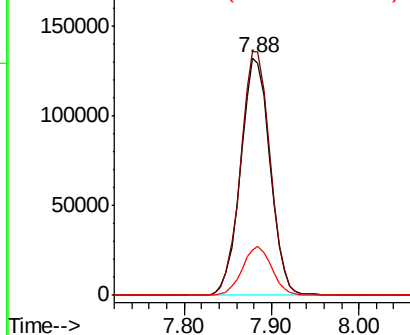
#35
 Dibromofluoromethane
 Concen: 67.076 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW010394.D
 Acq: 11 May 2019 21:22

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.9	82.6	123.8
192	20.5	15.4	23.2

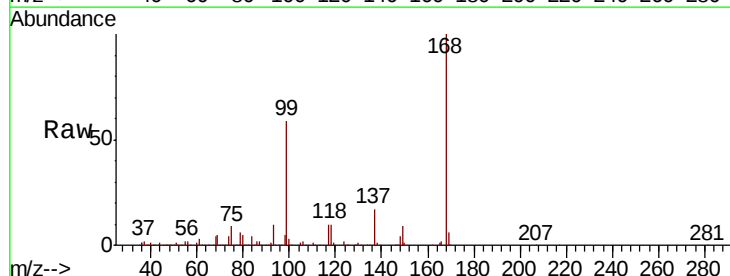


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

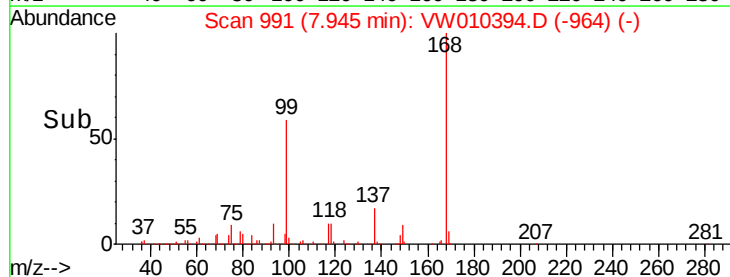
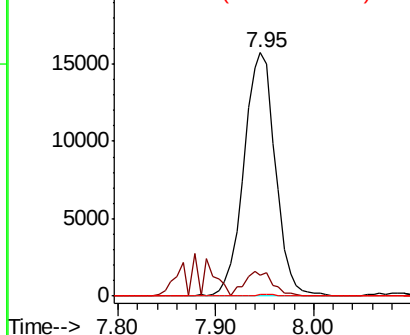


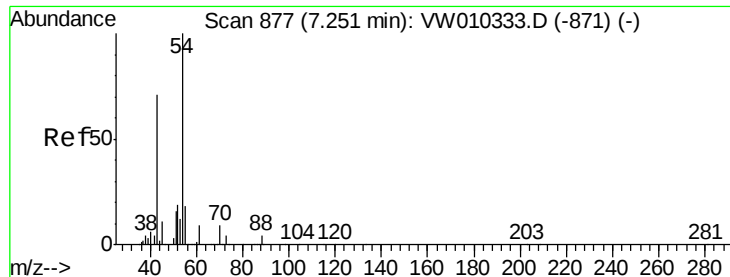
#36
 1,1-Dichloropropene
 Concen: 4.108 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW010394.D
 Acq: 11 May 2019 21:22

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.1	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): VW

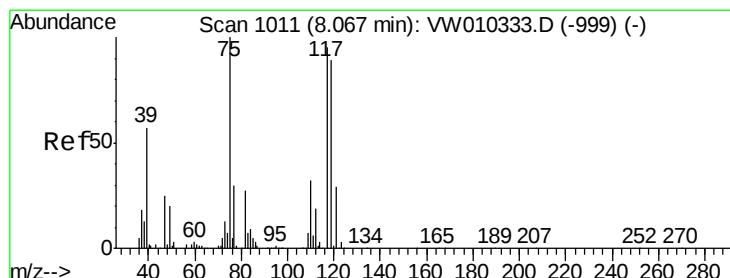
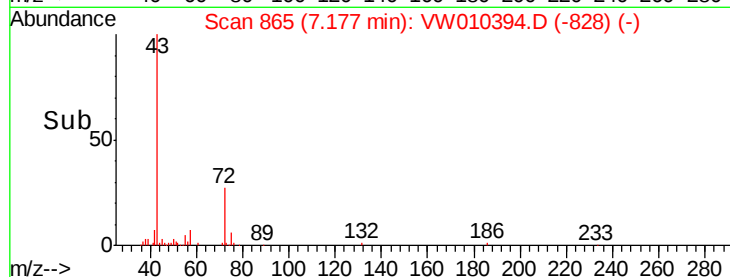
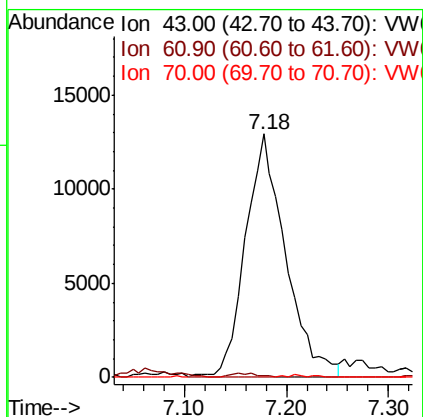
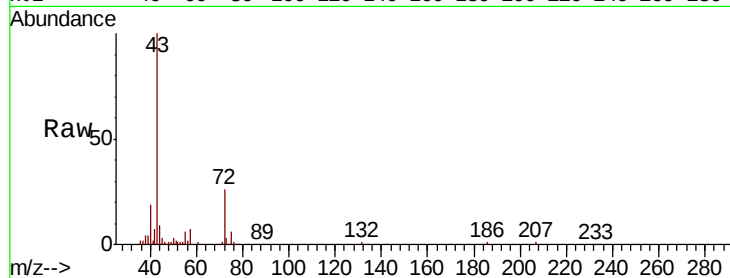




#37
Ethyl Acetate
Concen: 7.816 ug/l
RT: 7.18 min Scan# 865
Delta R.T. -0.07 min
Lab File: VW010394.D
Acq: 11 May 2019 21:22

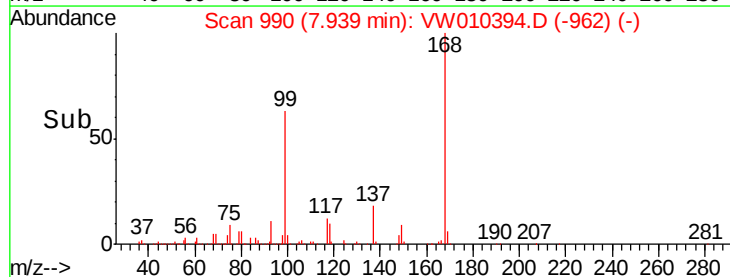
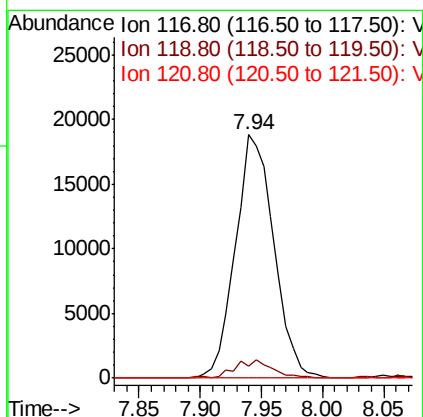
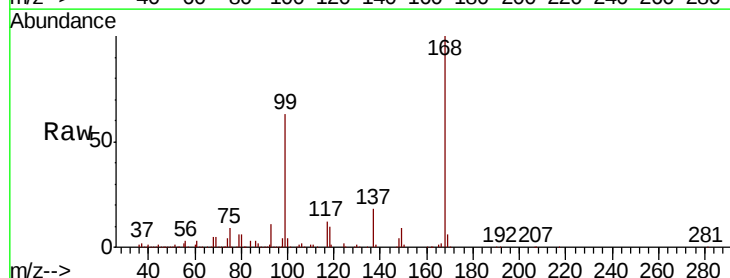
Instrument :
MSVOA_W
ClientSampleId :

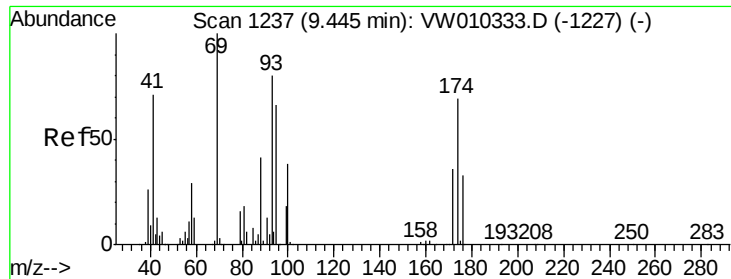
Tot Ion: 43 Resp: 35465
Ion Ratio Lower Upper
43 100
61 0.0 9.8 14.8#
70 0.0 7.4 11.0#



#38
Carbon Tetrachloride
Concen: 5.612 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.13 min
Lab File: VW010394.D
Acq: 11 May 2019 21:22

Tgt Ion: 117 Resp: 40998
Ion Ratio Lower Upper
117 100
119 4.9 75.3 112.9#
121 0.0 24.4 36.6#

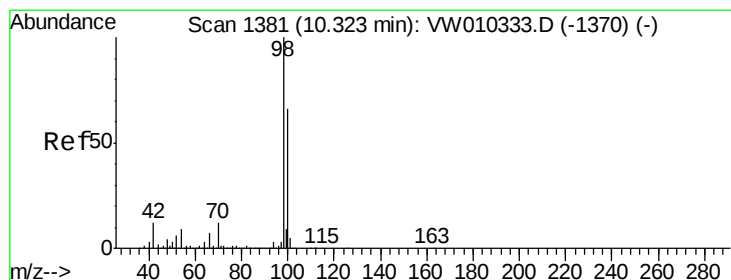
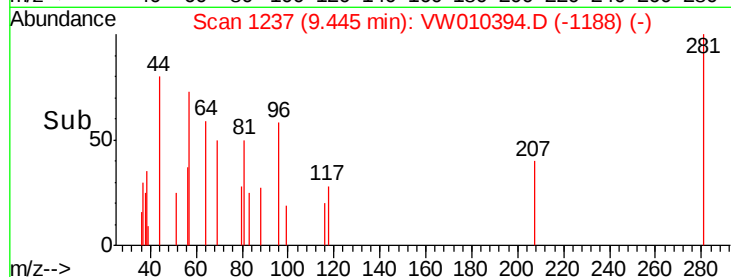
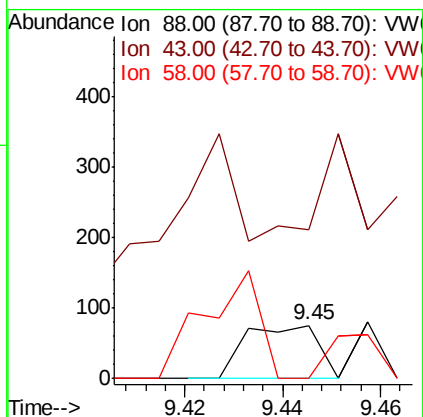
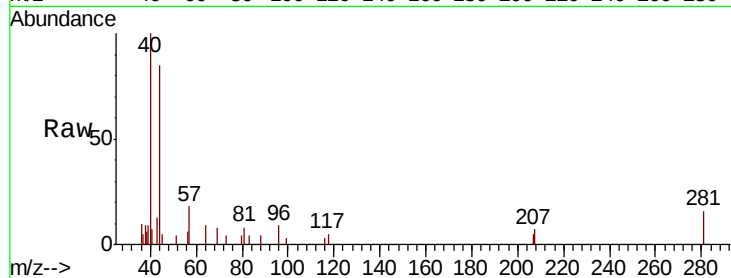




#49
1,4-Dioxane
Concen: 1.454 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VW010394.D
Acq: 11 May 2019 21:22

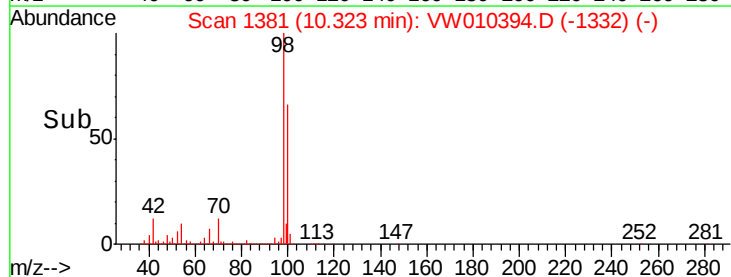
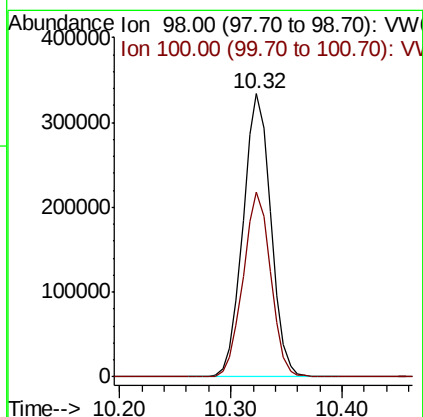
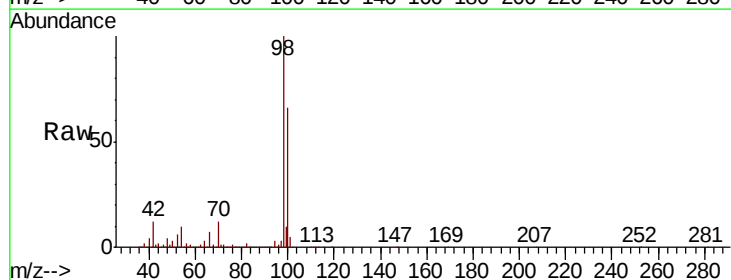
Instrument :
MSVOA_W
ClientSampled :

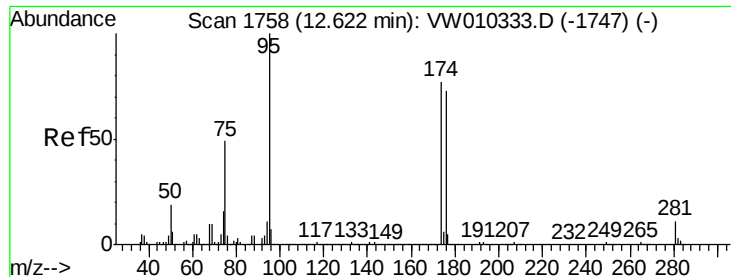
Tot Ion: 88 Resp: 76
Ion Ratio Lower Upper
88 100
43 498.7 31.9 47.9#
58 157.9 61.8 92.6#



#50
Toluene-d8
Concen: 30.987 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW010394.D
Acq: 11 May 2019 21:22

Tgt Ion: 98 Resp: 580326
Ion Ratio Lower Upper
98 100
100 64.7 52.3 78.5





#62

4-Bromofluorobenzene

Concen: 23.835 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW010394.D

Acq: 11 May 2019 21:22

Instrument :

MSVOA_W

ClientSampleId :

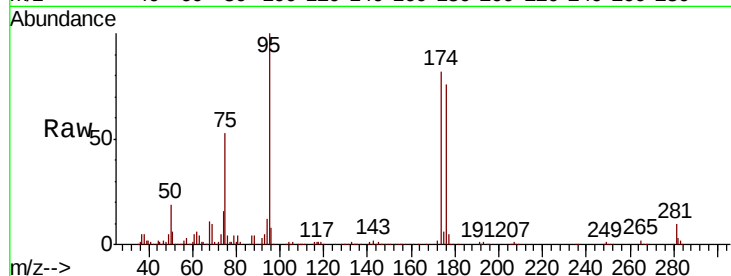
Tot Ion: 95 Resp: 157125

Ion Ratio Lower Upper

95 100

174 78.6 0.0 151.4

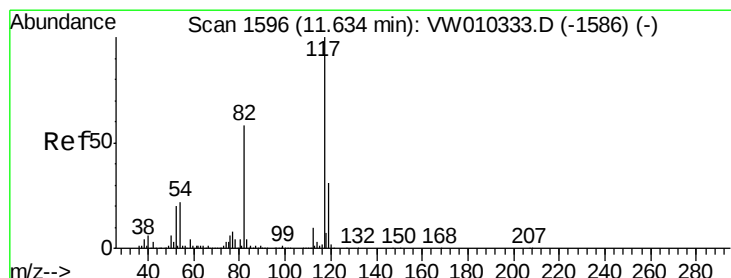
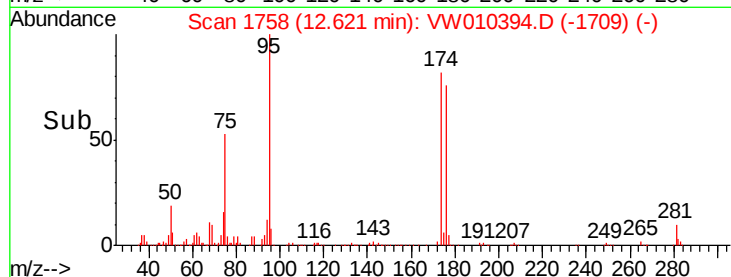
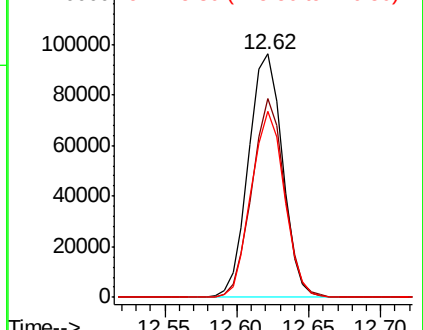
176 75.0 0.0 146.2



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VW010394.D

Acq: 11 May 2019 21:22

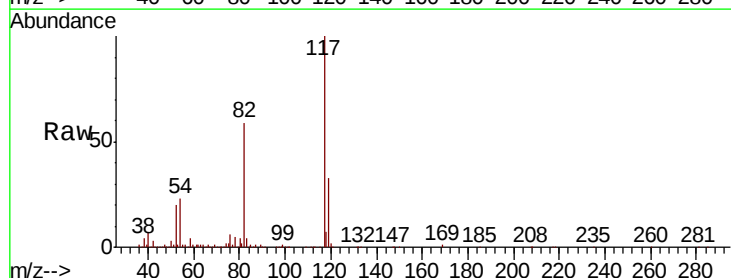
Tgt Ion: 117 Resp: 594474

Ion Ratio Lower Upper

117 100

82 58.9 45.2 67.8

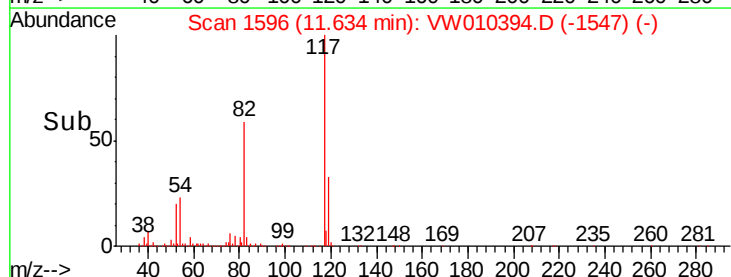
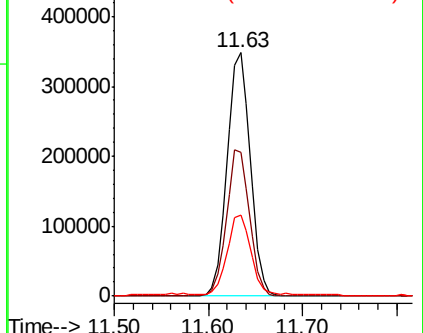
119 32.9 25.4 38.2

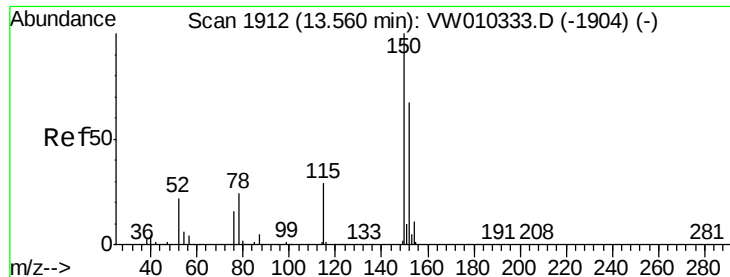


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW



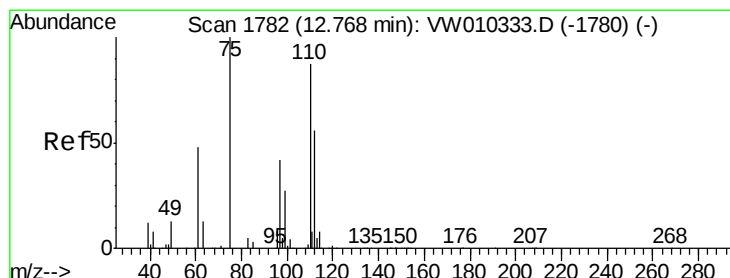
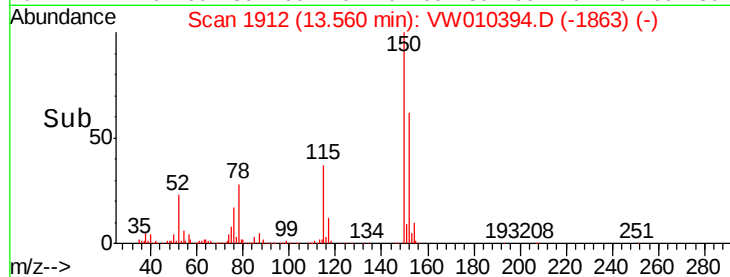
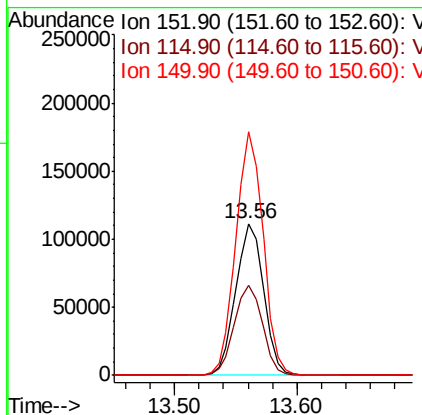
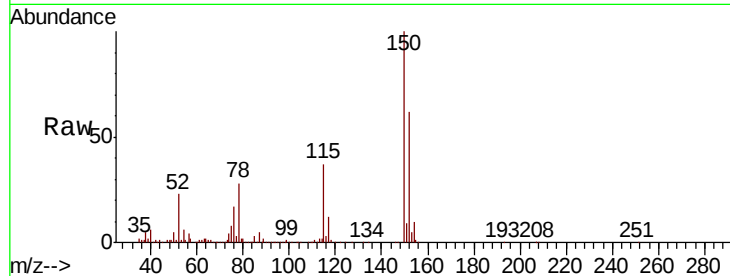


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW010394.D
Acq: 11 May 2019 21:22

Instrument :
MSVOA_W
ClientSampleId :

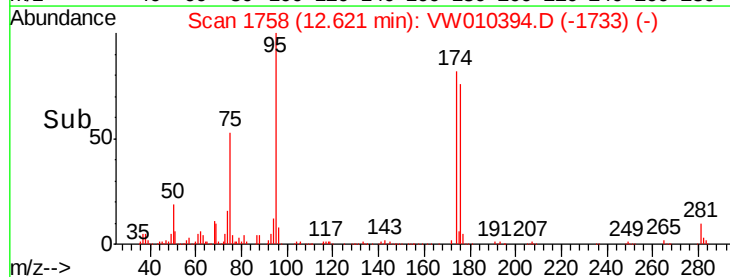
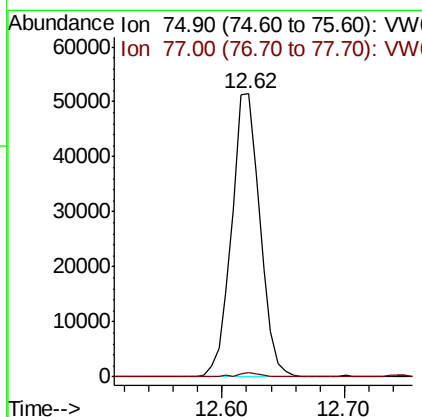
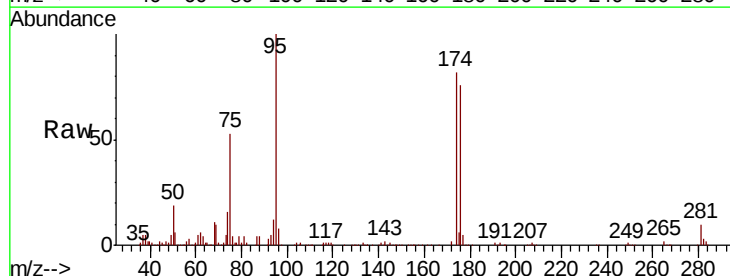
Tot Ion	Ratio	Lower	Upper
152	100		
115	60.0	30.4	91.2
150	157.5	0.0	347.0

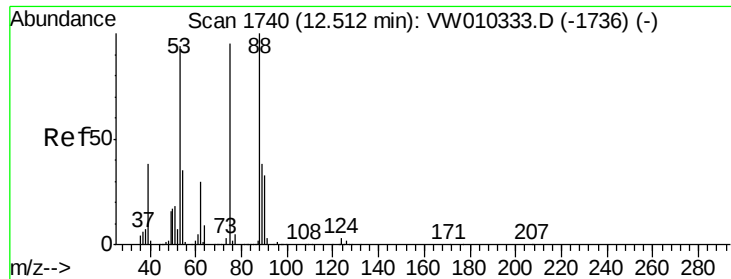


#76

1,2,3-Trichloropropane
Concen: 40.141 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.15 min
Lab File: VW010394.D
Acq: 11 May 2019 21:22

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.5	0.0	0.0#

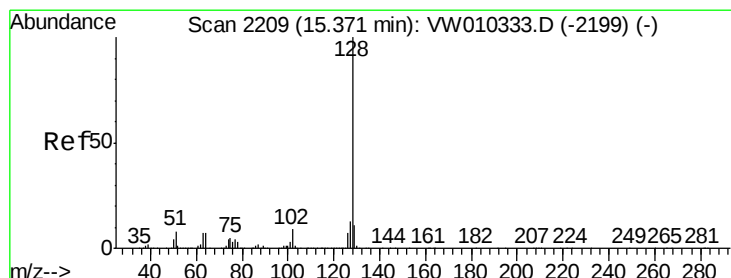
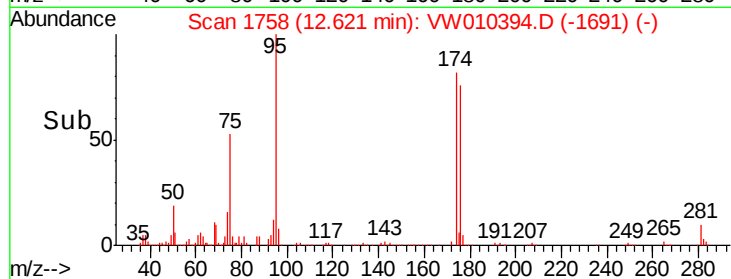
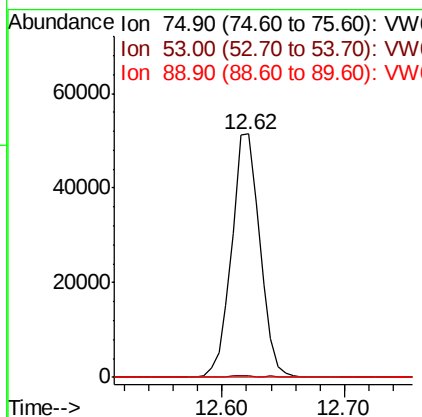
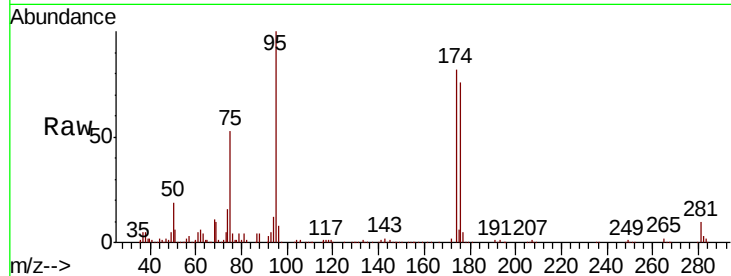




#81
trans-1,4-Dichloro-2-butene
Concen: 90.650 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.11 min
Lab File: VW010394.D
Acq: 11 May 2019 21:22

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 75 Resp: 82237
Ion Ratio Lower Upper
75 100
53 0.8 89.8 134.8#
89 0.1 36.6 54.8#



#95
Naphthalene
Concen: 3.913 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.01 min
Lab File: VW010394.D
Acq: 11 May 2019 21:22

Tgt Ion: 128 Resp: 2740
Ion Ratio Lower Upper
128 100
127 7.0 10.6 15.8#
129 8.6 8.7 13.1#

