

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW051119\
 Data File : VW010395.D
 Acq On : 11 May 2019 21:50
 Operator : SY/VA
 Sample : K2734-12
 Misc : 5.65G/5ML/MSVOA W/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: May 12 00:30:38 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

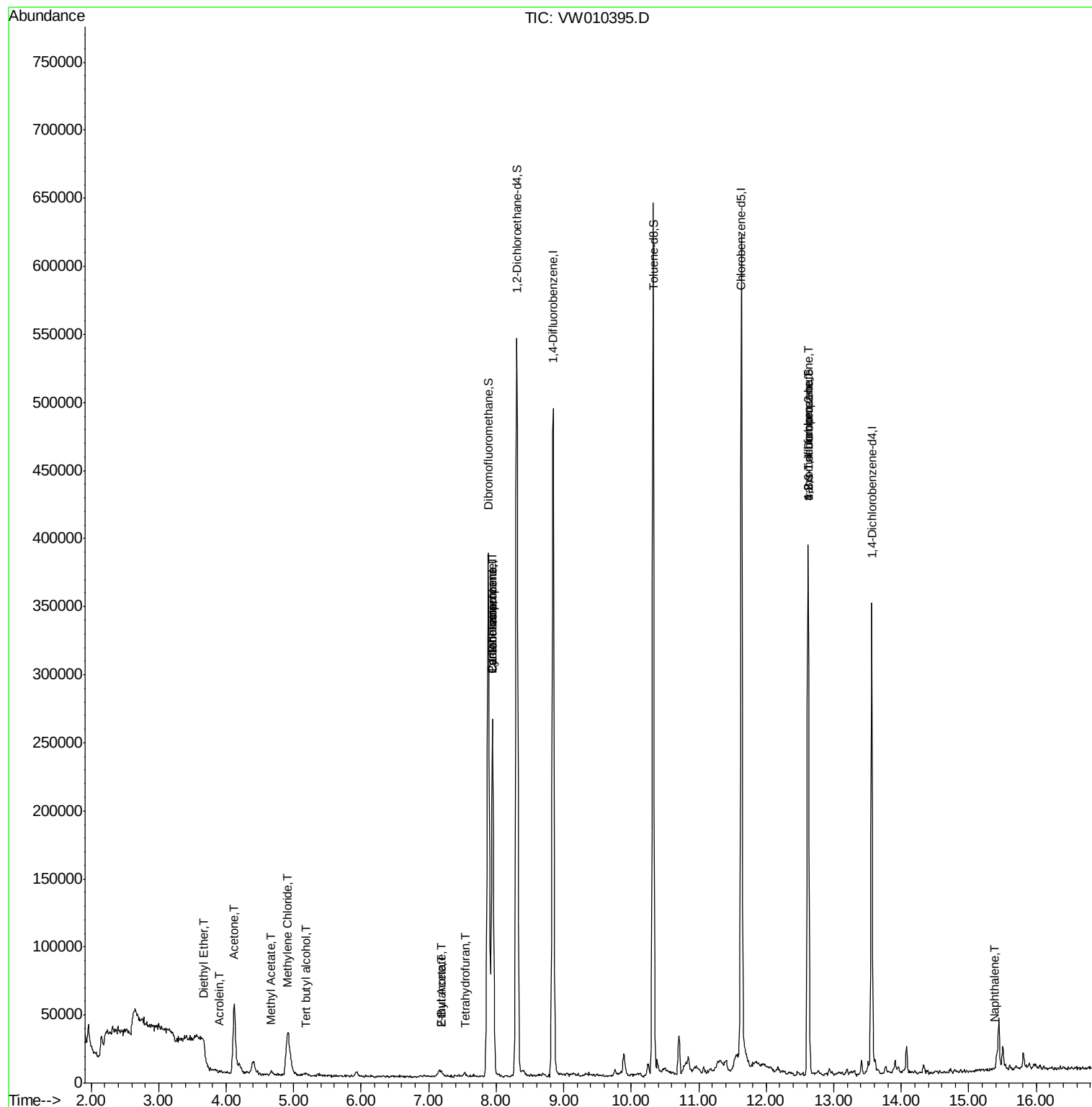
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	188269	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	394612	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	331913	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	86180	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	425943	212.81	ug/l	0.00
Spiked Amount 50.000			Recovery	=	425.62%	
35) Dibromofluoromethane	7.88	113	276456	119.72	ug/l	0.00
Spiked Amount 50.000			Recovery	=	239.44%	
50) Toluene-d8	10.32	98	423223	45.01	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.02%	
62) 4-Bromofluorobenzene	12.62	95	120327	36.35	ug/l	0.00
Spiked Amount 50.000			Recovery	=	72.70%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.68	74	5787	5.490	ug/l	94
11) Tert butyl alcohol	5.18	59	2255	15.953	ug/l	99
13) Acrolein	3.90	56	232	1.243	ug/l #	5
16) Acetone	4.12	43	99111	189.944	ug/l	93
18) Methyl Acetate	4.67	43	4435	3.432	ug/l #	76
20) Methylene Chloride	4.92	84	31112	14.295	ug/l	91
25) 2-Butanone	7.19	43	5307	6.648	ug/l #	90
29) Tetrahydrofuran	7.53	42	1920	3.719	ug/l #	68
31) Cyclohexane	7.94	56	5091	1.242	ug/l #	38
36) 1,1-Dichloropropene	7.95	75	16724	3.909	ug/l #	51
37) Ethyl Acetate	7.19	43	5307	2.330	ug/l #	71
38) Carbon Tetrachloride	7.95	117	18784	5.121	ug/l #	18
76) 1,2,3-Trichloropropane	12.62	75	62973	62.673	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	62973	141.535	ug/l #	6
95) Naphthalene	15.38	128	2108	4.095	ug/l #	90

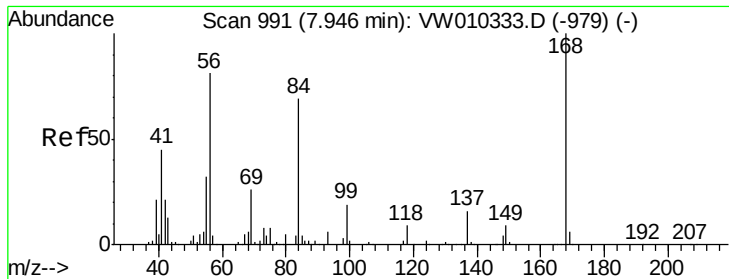
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VW010395.D
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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: VW010395.D

Acq: 11 May 2019 21:50

Instrument :

MSVOA_W

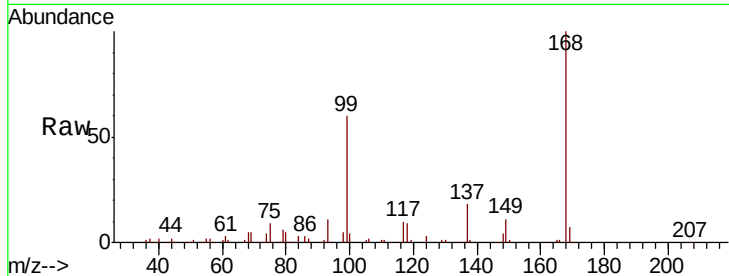
ClientSampleId :

Tot Ion:168 Resp: 188269

Ion Ratio Lower Upper

168 100

99 59.9 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

80000

60000

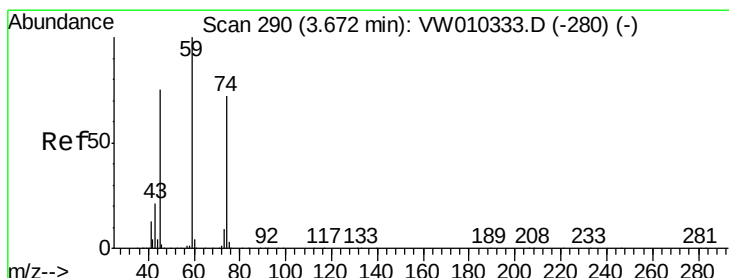
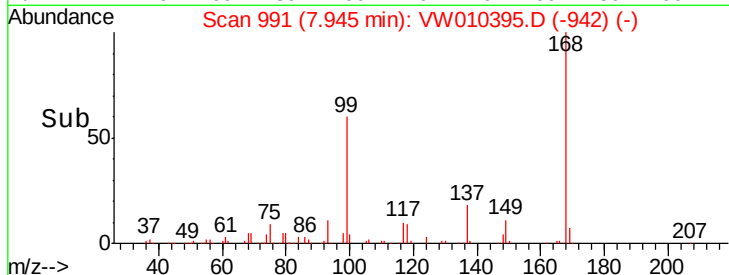
40000

20000

0

7.90 8.00

Time-->



#8

Diethyl Ether

Concen: 5.490 ug/l

RT: 3.68 min Scan# 291

Delta R.T. 0.01 min

Lab File: VW010395.D

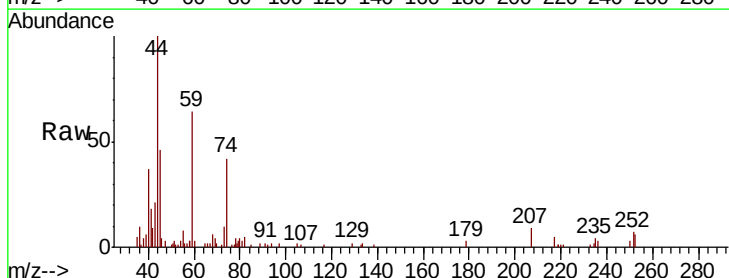
Acq: 11 May 2019 21:50

Tgt Ion: 74 Resp: 5787

Ion Ratio Lower Upper

74 100

45 118.7 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

3000

2500

2000

1500

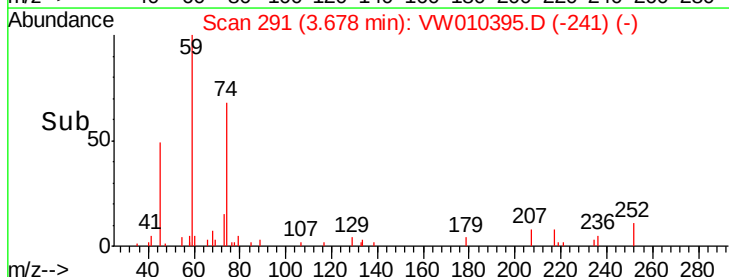
1000

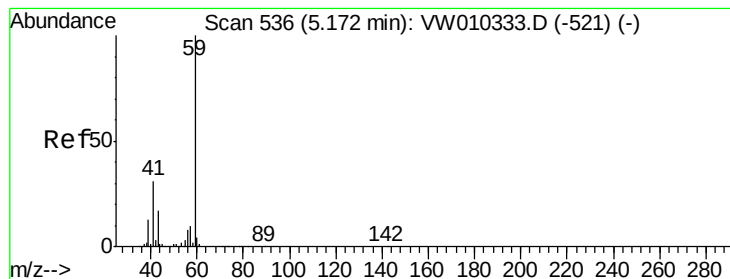
500

0

3.60 3.65 3.70 3.75

Time-->



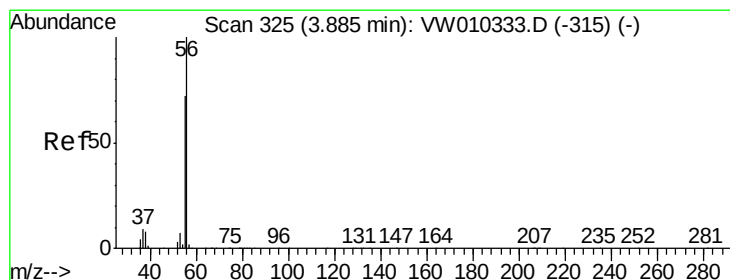
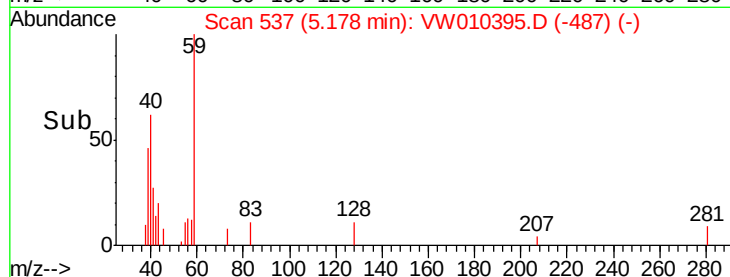
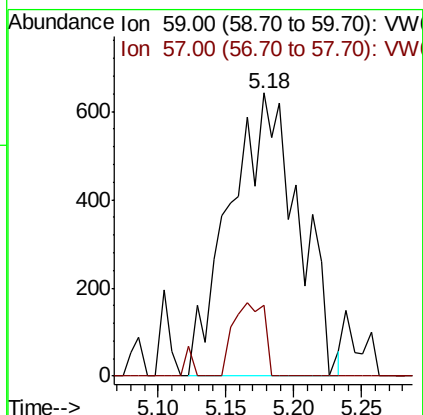
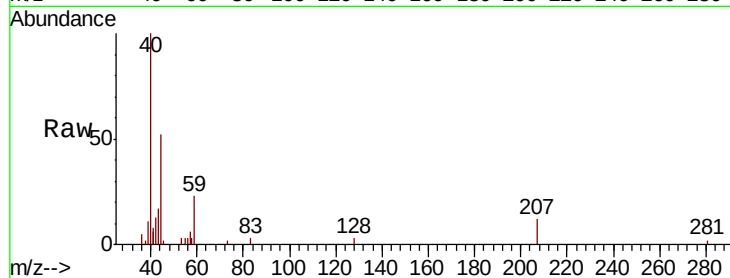


#11

Tert butyl alcohol
 Concen: 15.953 ug/l
 RT: 5.18 min Scan# 537
 Delta R.T. 0.01 min
 Lab File: VW010395.D
 Acq: 11 May 2019 21:50

Instrument :
 MSVOA_W
 ClientSampleId :

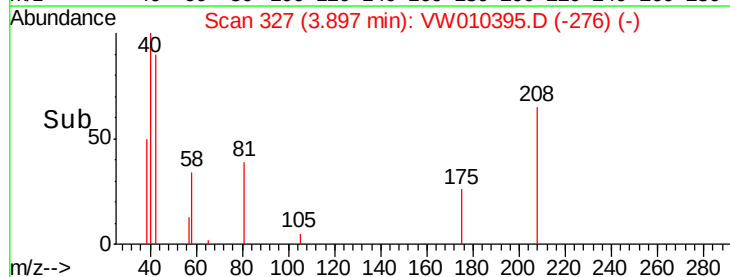
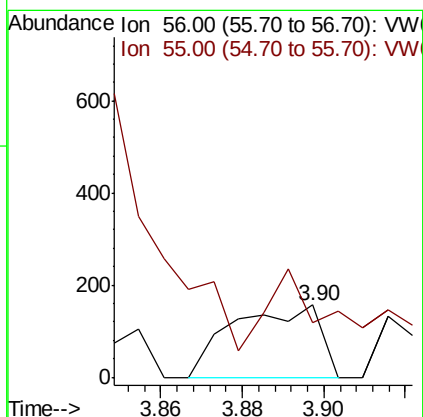
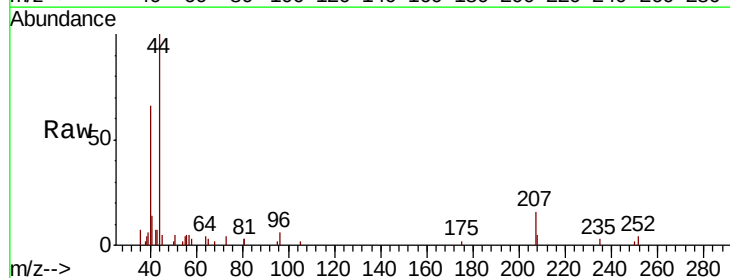
Tot Ion: 59 Resp: 2255
 Ion Ratio Lower Upper
 59 100
 57 11.8 9.0 13.4

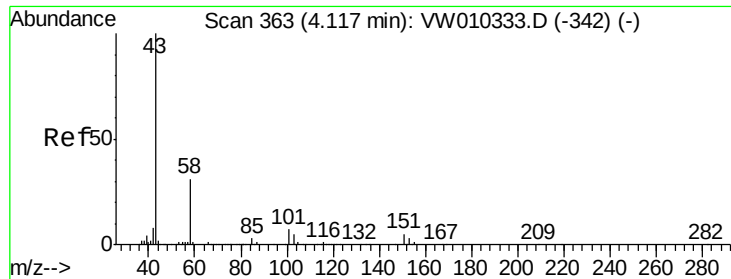


#13

Acrolein
 Concen: 1.243 ug/l
 RT: 3.90 min Scan# 327
 Delta R.T. 0.01 min
 Lab File: VW010395.D
 Acq: 11 May 2019 21:50

Tgt Ion: 56 Resp: 232
 Ion Ratio Lower Upper
 56 100
 55 144.0 54.2 81.2#





#16

Acetone

Concen: 189.944 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW010395.D

Acq: 11 May 2019 21:50

Instrument :

MSVOA_W

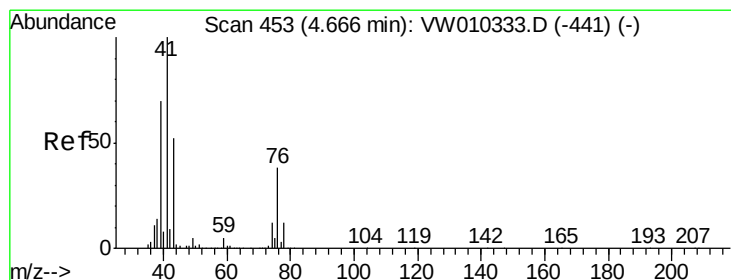
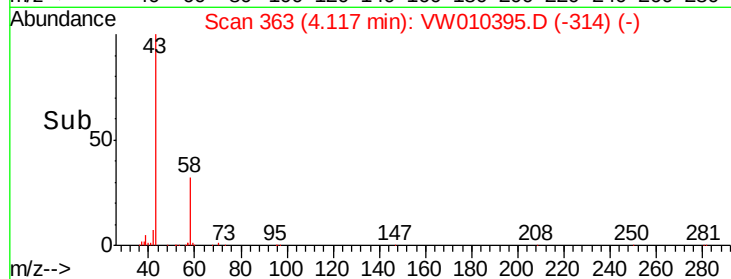
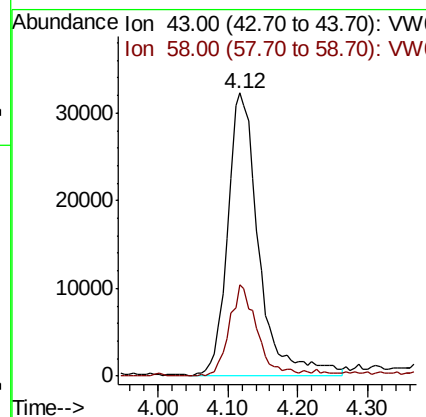
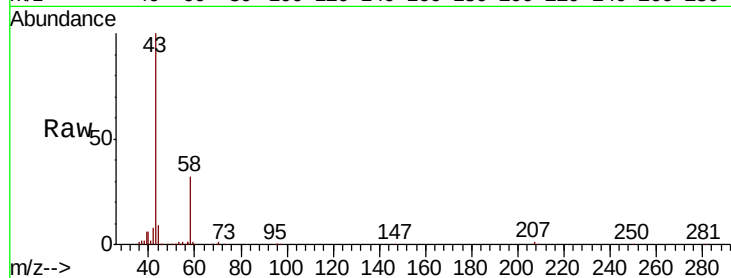
ClientSampleId :

Tot Ion: 43 Resp: 99111

Ion Ratio Lower Upper

43 100

58 32.0 22.7 34.1



#18

Methyl Acetate

Concen: 3.432 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW010395.D

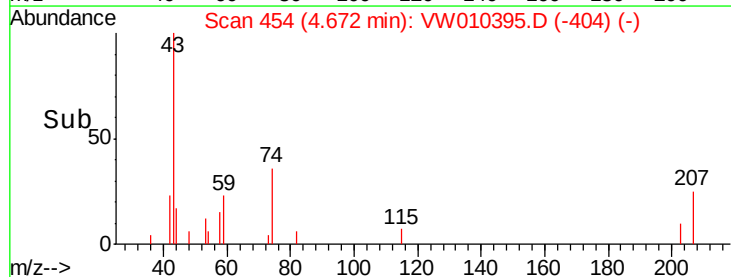
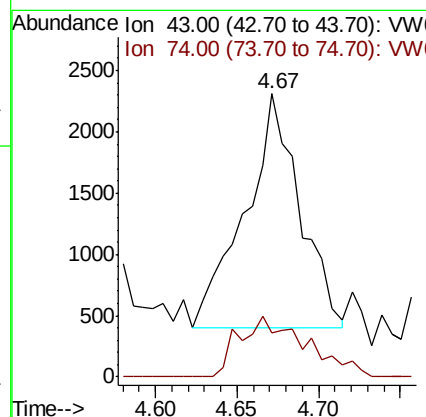
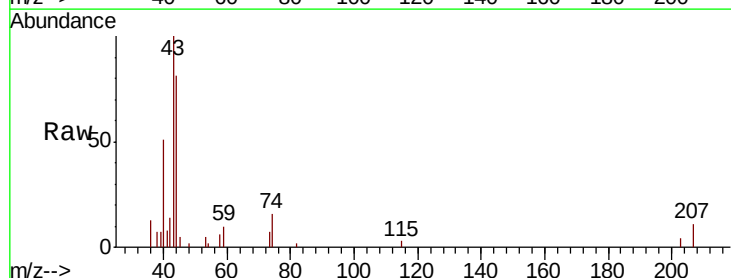
Acq: 11 May 2019 21:50

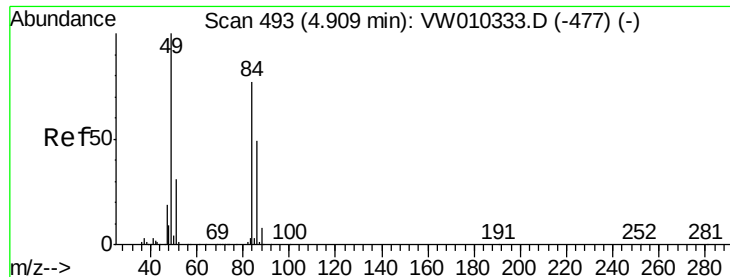
Tgt Ion: 43 Resp: 4435

Ion Ratio Lower Upper

43 100

74 32.2 16.8 25.2#

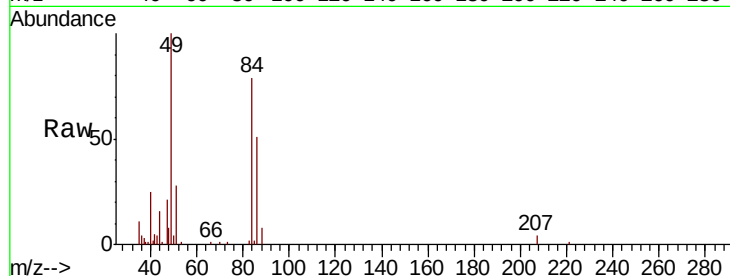




#20
Methylene Chloride
Concen: 14.295 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW010395.D
Acq: 11 May 2019 21:50

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:	84	Resp:	31112
Ion	Ratio	Lower	Upper
84	100		
49	127.2	112.3	168.5
51	35.2	33.9	50.9
86	64.5	50.2	75.4



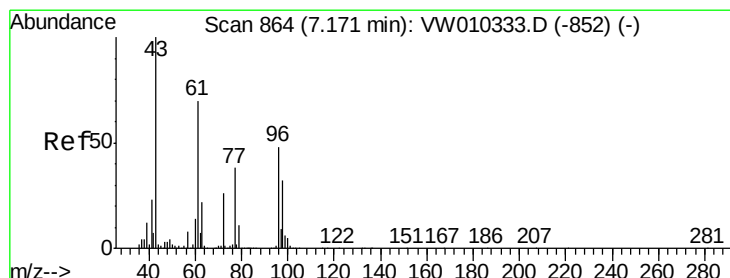
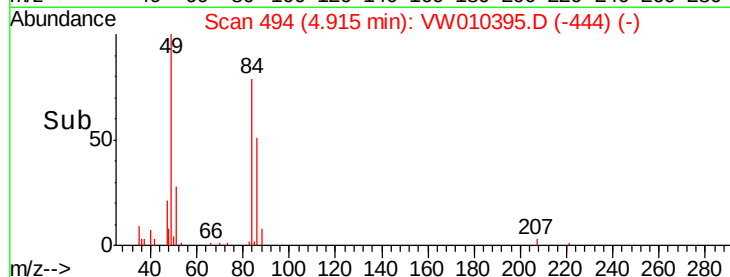
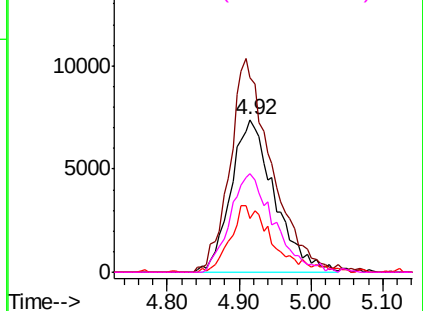
Abundance

Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

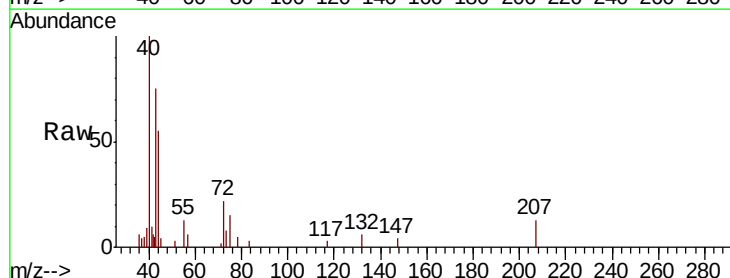
Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW



#25
2-Butanone
Concen: 6.648 ug/l
RT: 7.19 min Scan# 867
Delta R.T. 0.02 min
Lab File: VW010395.D
Acq: 11 May 2019 21:50

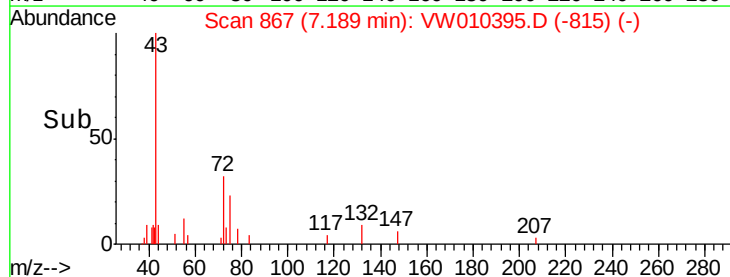
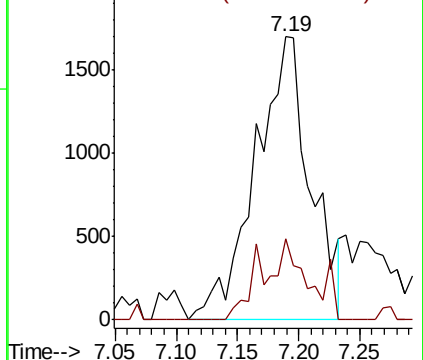
Tgt Ion:	43	Resp:	5307
Ion	Ratio	Lower	Upper
43	100		
72	28.8	19.1	28.7#

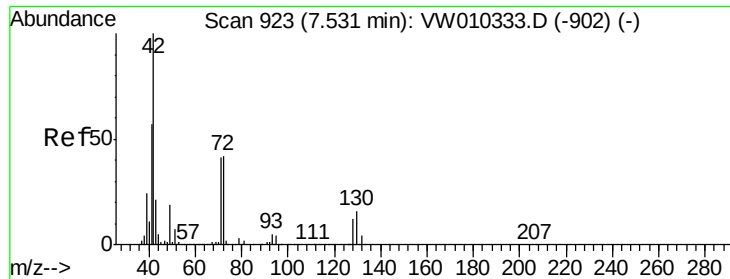


Abundance

Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

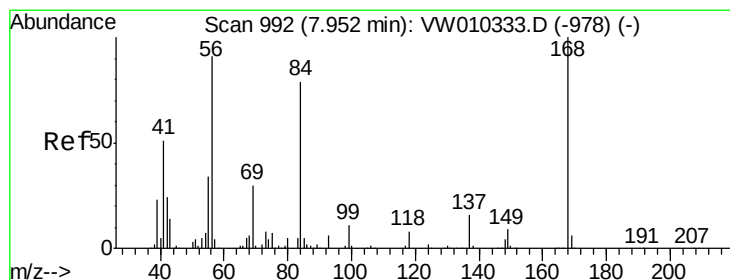
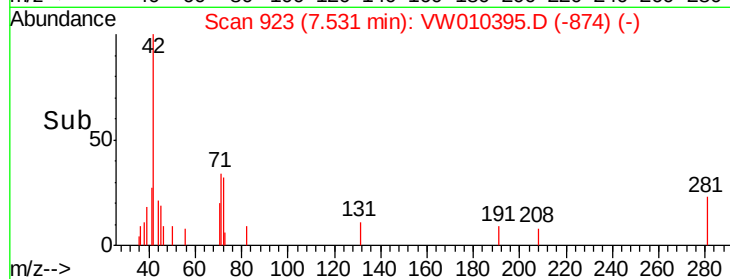
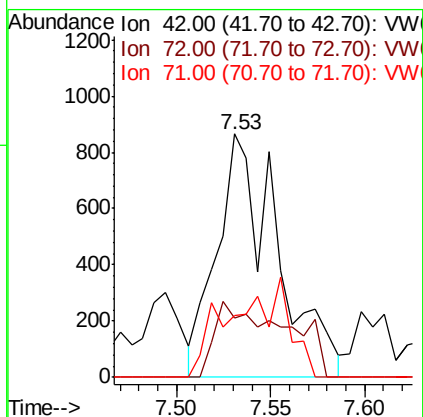
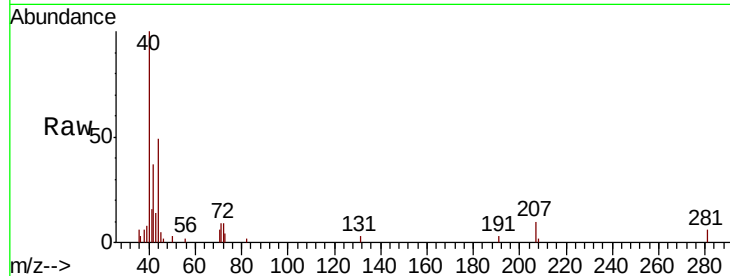




#29
Tetrahydrofuran
Concen: 3.719 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW010395.D
Acq: 11 May 2019 21:50

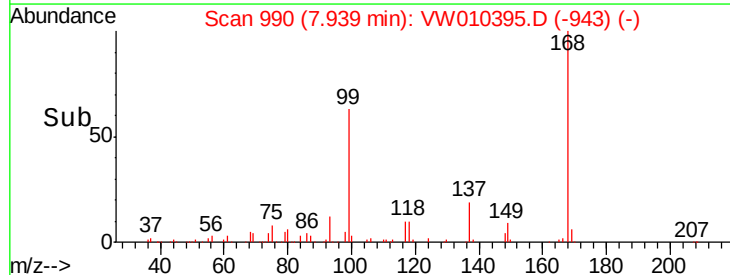
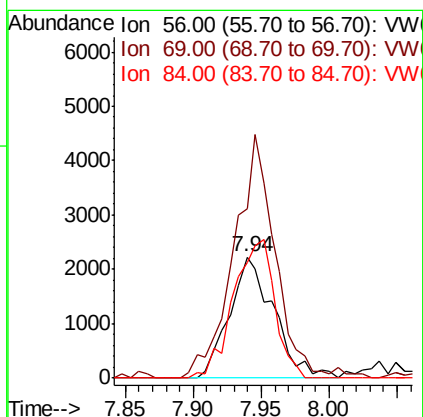
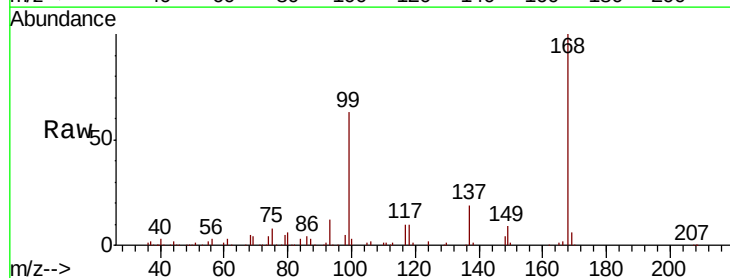
Instrument :
MSVOA_W
ClientSampled :

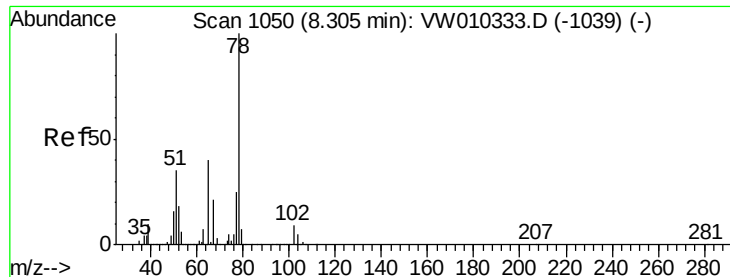
Tot Ion: 42 Resp: 1920
Ion Ratio Lower Upper
42 100
72 36.5 31.0 46.6
71 0.0 29.7 44.5#



#31
Cyclohexane
Concen: 1.242 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.01 min
Lab File: VW010395.D
Acq: 11 May 2019 21:50

Tgt Ion: 56 Resp: 5091
Ion Ratio Lower Upper
56 100
69 136.0 26.6 40.0#
84 95.1 66.2 99.2

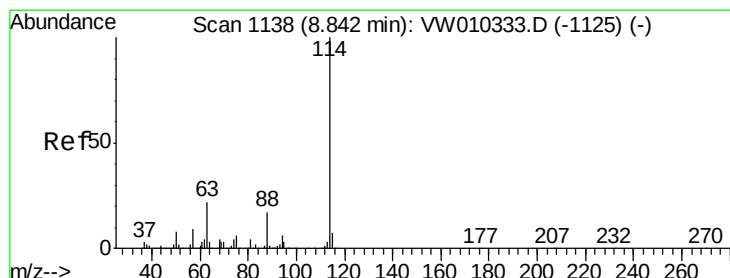
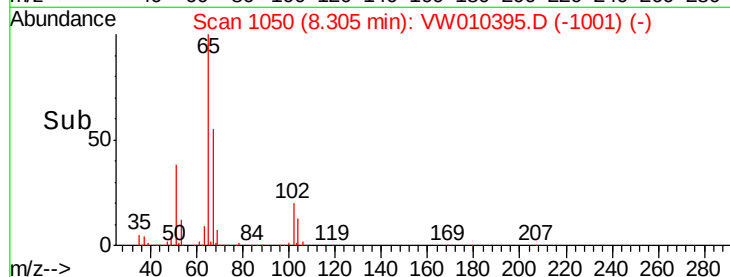
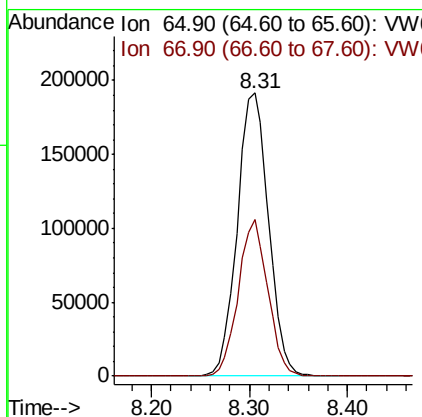
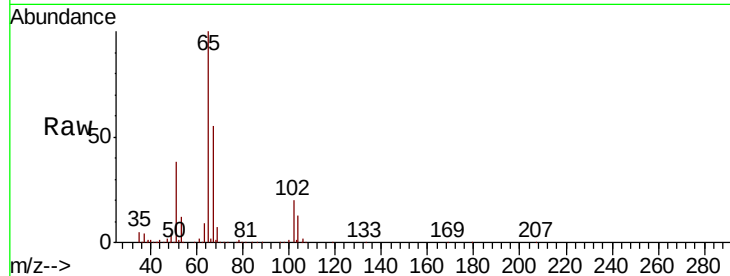




#33
 1,2-Dichloroethane-d4
 Concen: 212.806 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW010395.D
 Acq: 11 May 2019 21:50

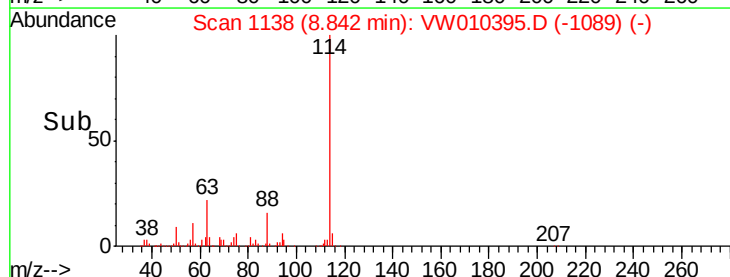
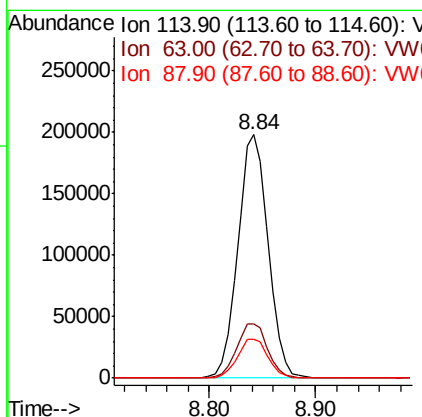
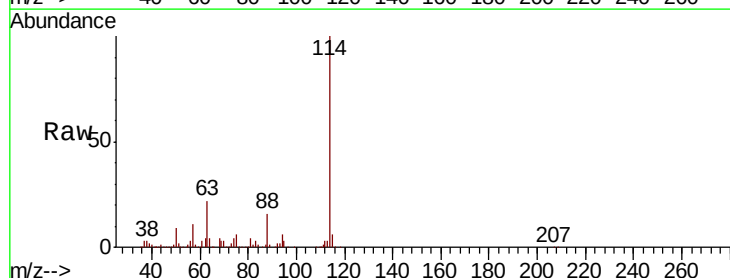
Instrument :
 MSVOA_W
 ClientSampleId :

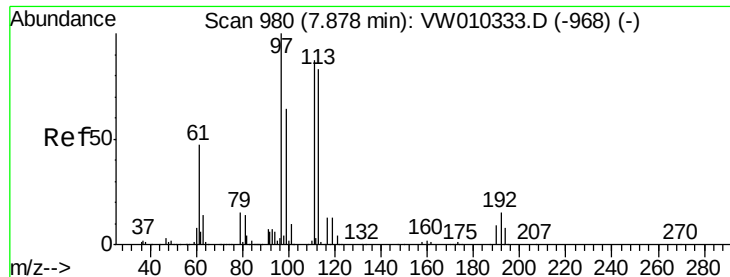
Tot Ion: 65 Resp: 425943
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 100.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW010395.D
 Acq: 11 May 2019 21:50

Tgt Ion: 114 Resp: 394612
 Ion Ratio Lower Upper
 114 100
 63 22.4 0.0 46.2
 88 16.2 0.0 32.6

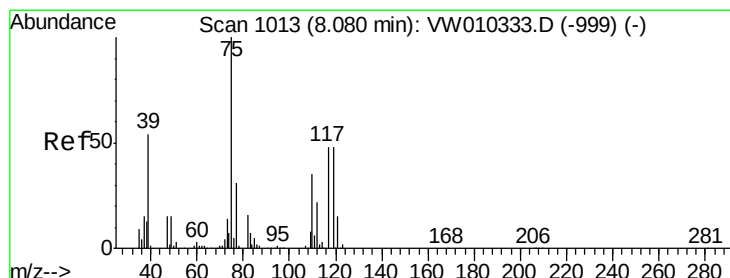
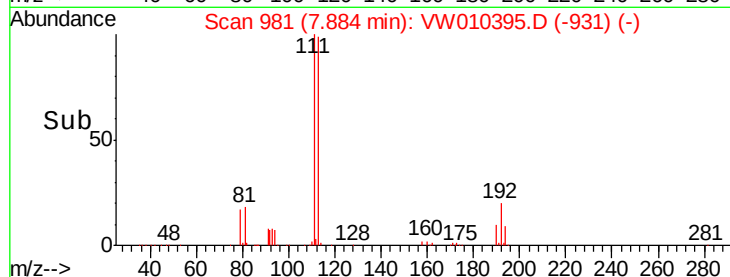
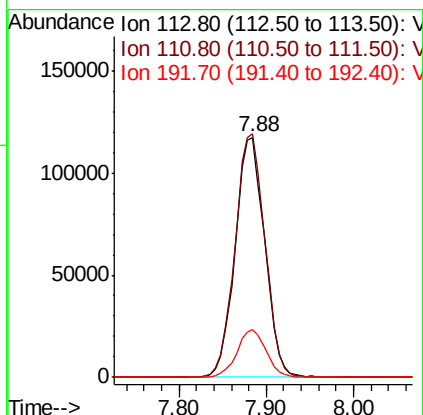
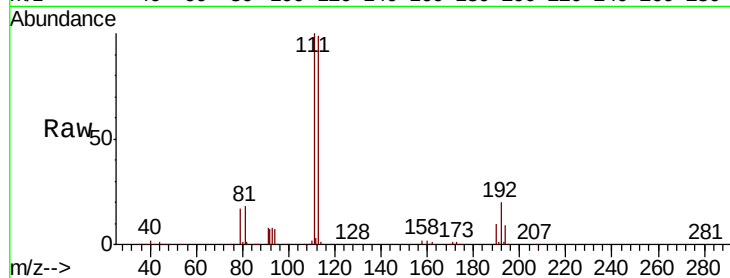




#35
 Dibromofluoromethane
 Concen: 119.718 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.01 min
 Lab File: VW010395.D
 Acq: 11 May 2019 21:50

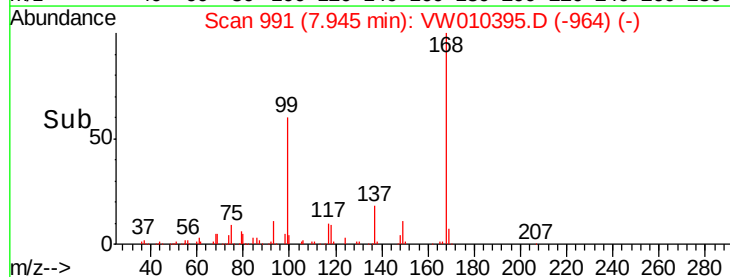
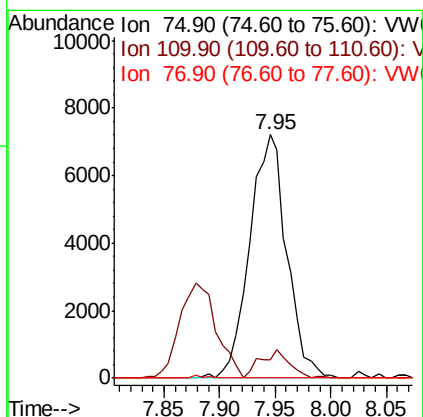
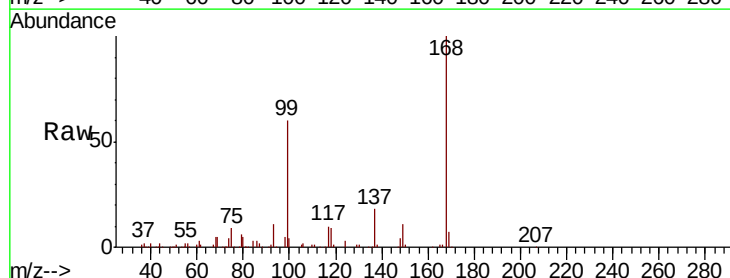
Instrument :
 MSVOA_W
 ClientSampleId :

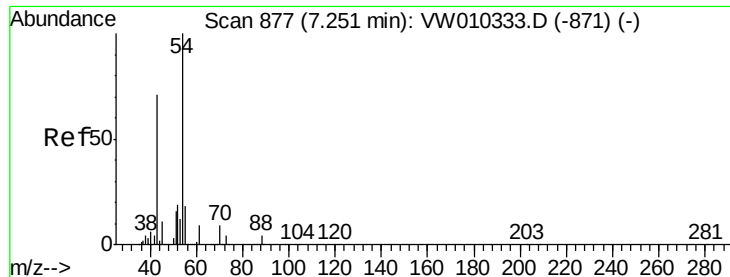
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.6	123.8
192	19.5	15.4	23.2



#36
 1,1-Dichloropropene
 Concen: 3.909 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW010395.D
 Acq: 11 May 2019 21:50

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.1	16.6	49.8#
77	0.0	24.8	37.2#

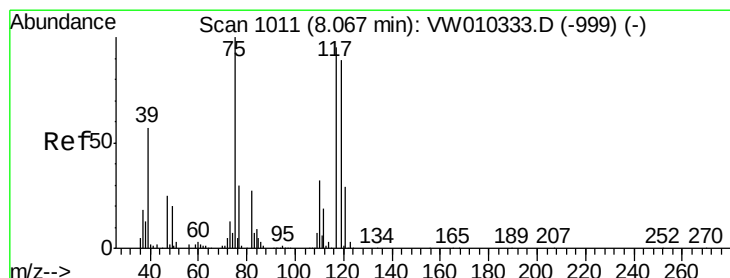
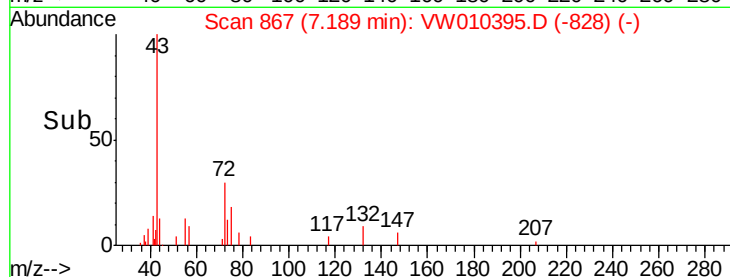
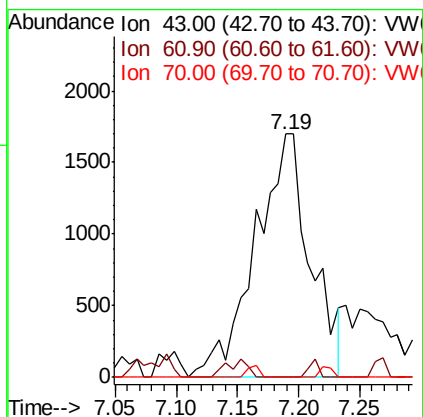
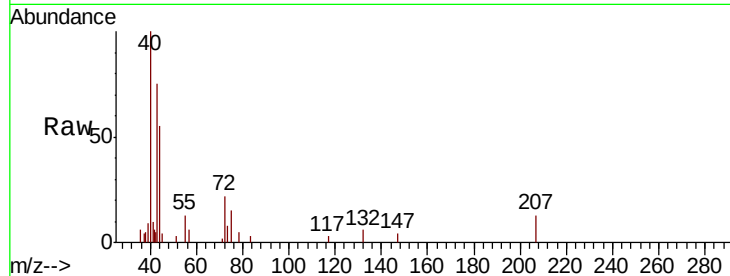




#37
Ethyl Acetate
Concen: 2.330 ug/l
RT: 7.19 min Scan# 867
Delta R.T. -0.06 min
Lab File: VW010395.D
Acq: 11 May 2019 21:50

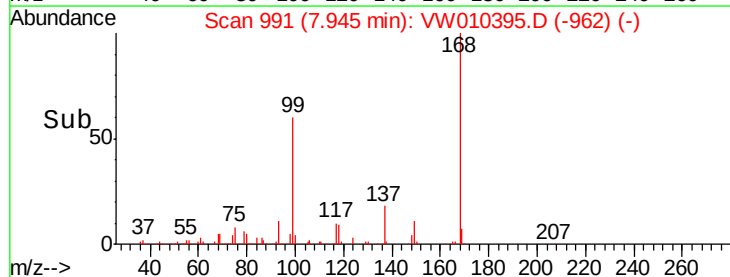
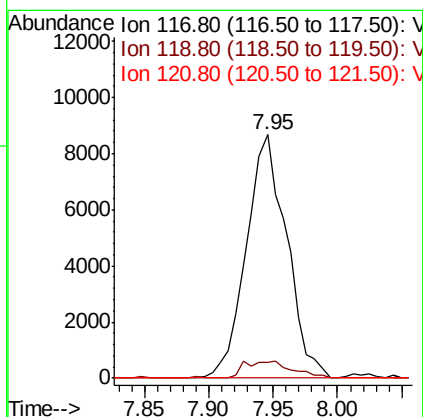
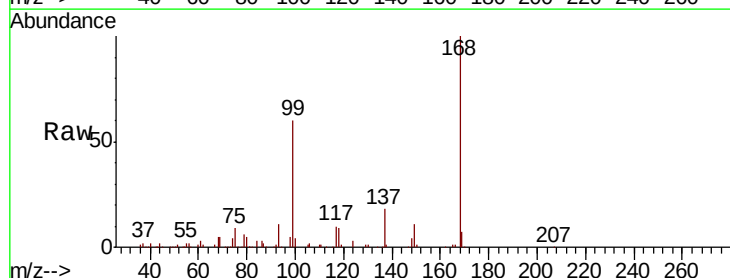
Instrument :
MSVOA_W
ClientSampleId :

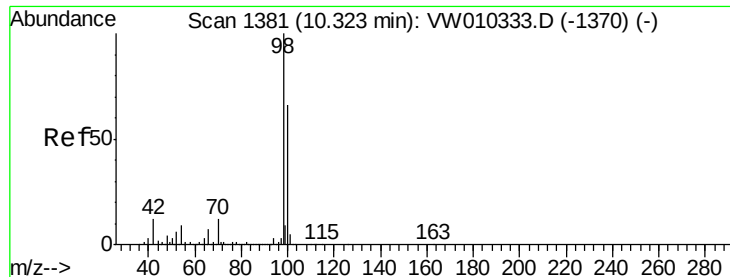
Tot Ion: 43 Resp: 5307
Ion Ratio Lower Upper
43 100
61 0.0 9.8 14.8#
70 0.0 7.4 11.0#



#38
Carbon Tetrachloride
Concen: 5.121 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW010395.D
Acq: 11 May 2019 21:50

Tgt Ion: 117 Resp: 18784
Ion Ratio Lower Upper
117 100
119 6.4 75.3 112.9#
121 0.0 24.4 36.6#





#50

Toluene-d8

Concen: 45.008 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW010395.D

Acq: 11 May 2019 21:50

Instrument :

MSVOA_W

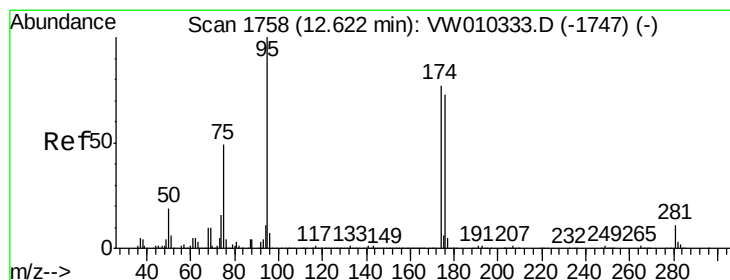
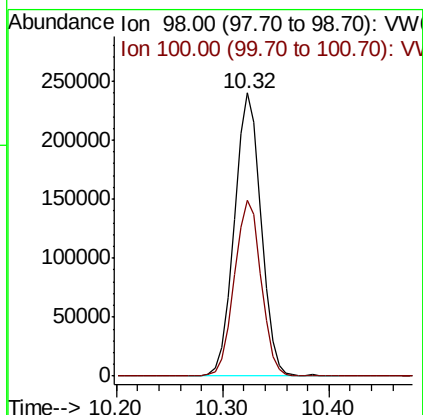
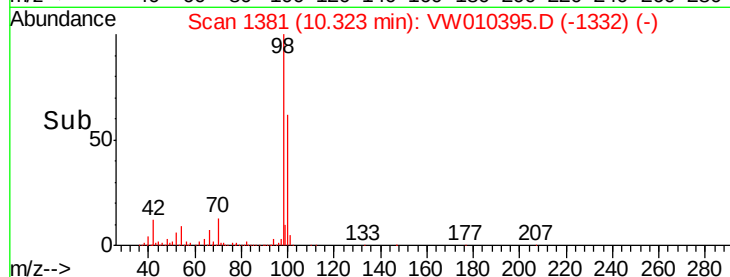
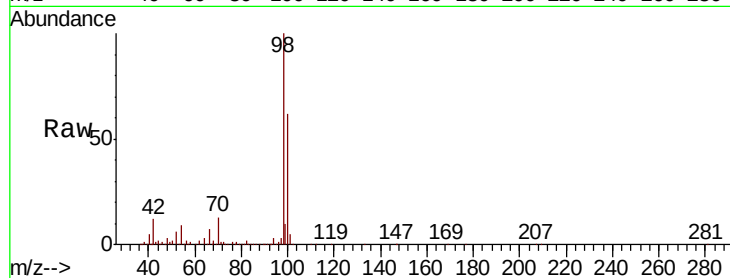
ClientSampleId :

Tot Ion: 98 Resp: 423223

Ion Ratio Lower Upper

98 100

100 62.5 52.3 78.5



#62

4-Bromofluorobenzene

Concen: 36.353 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW010395.D

Acq: 11 May 2019 21:50

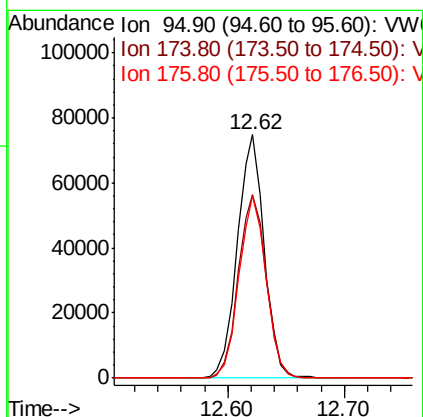
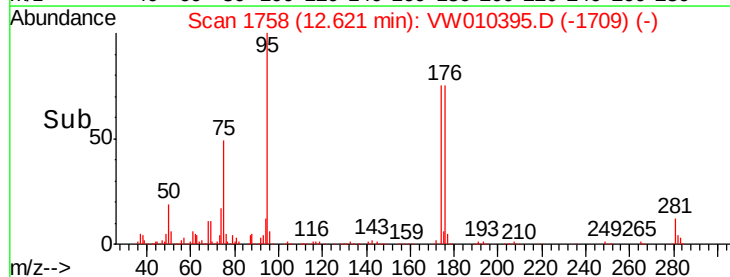
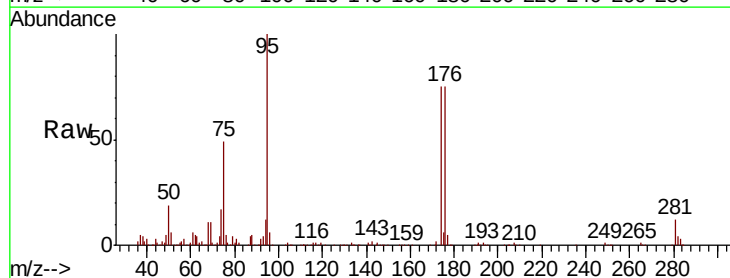
Tgt Ion: 95 Resp: 120327

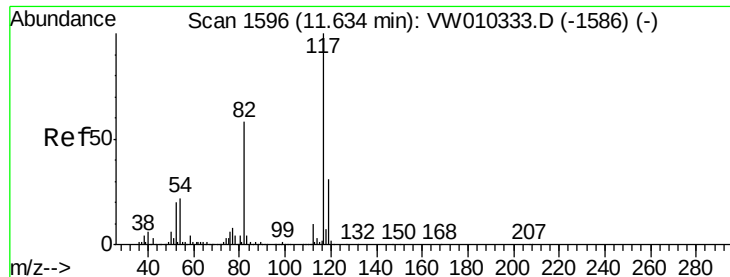
Ion Ratio Lower Upper

95 100

174 78.3 0.0 151.4

176 75.4 0.0 146.2

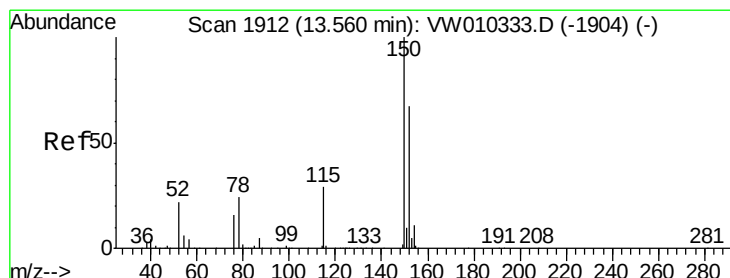
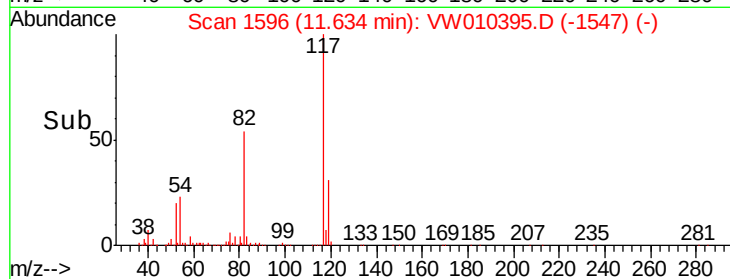
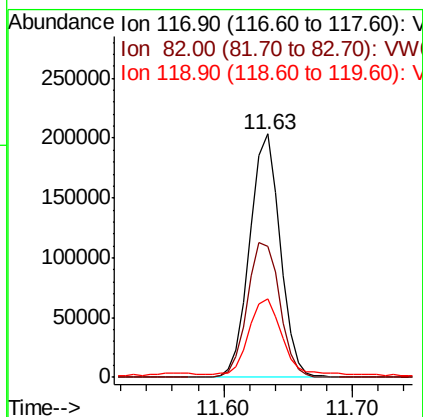
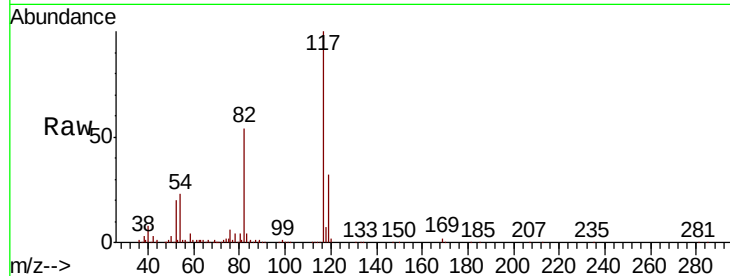




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010395.D
Acq: 11 May 2019 21:50

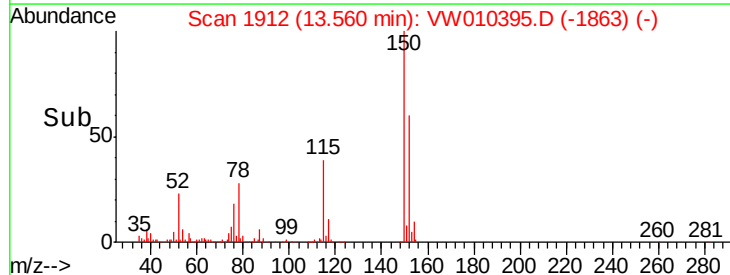
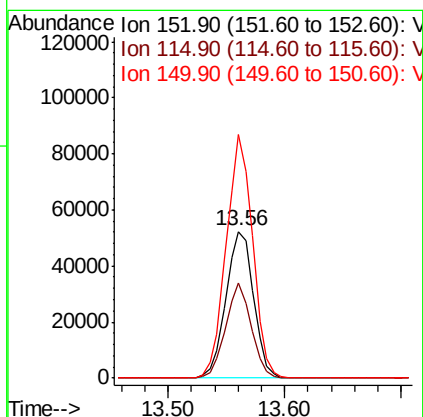
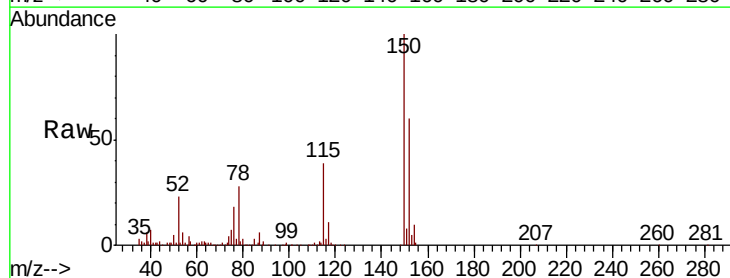
Instrument :
MSVOA_W
ClientSampleId :

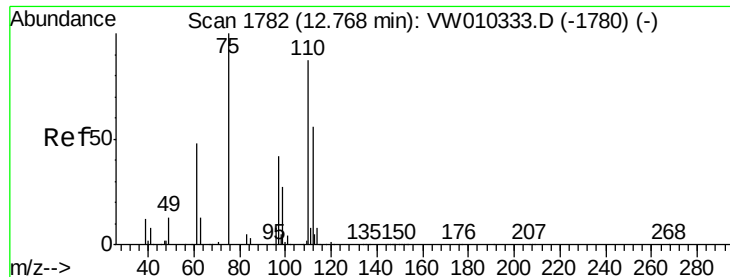
Tot Ion:117 Resp: 331913
Ion Ratio Lower Upper
117 100
82 53.8 45.2 67.8
119 30.6 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW010395.D
Acq: 11 May 2019 21:50

Tgt Ion:152 Resp: 86180
Ion Ratio Lower Upper
152 100
115 59.9 30.4 91.2
150 158.4 0.0 347.0





#76

1,2,3-Trichloropropane

Concen: 62.673 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW010395.D

Acq: 11 May 2019 21:50

Instrument :

MSVOA_W

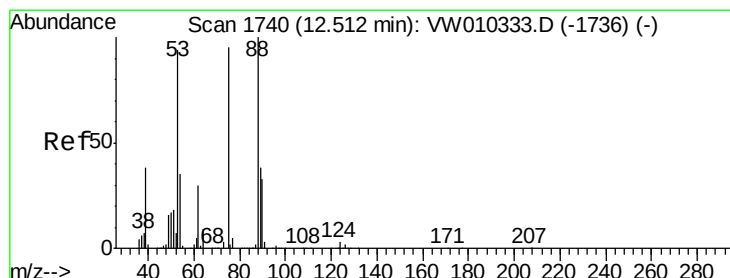
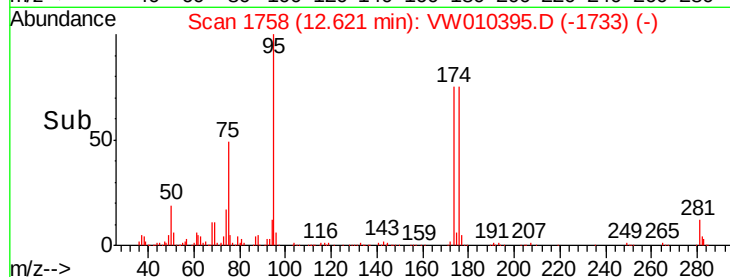
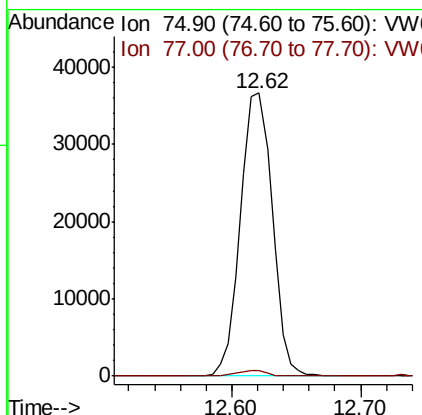
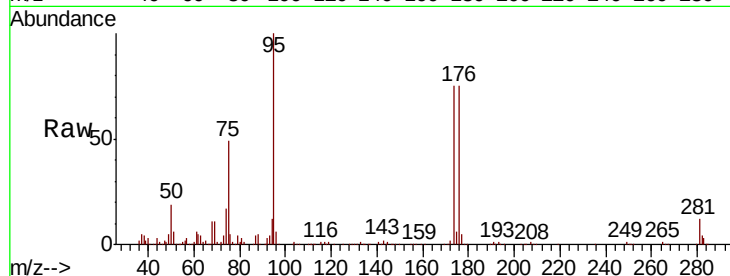
ClientSampleId :

Tot Ion: 75 Resp: 62973

Ion Ratio Lower Upper

75 100

77 2.1 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 141.535 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW010395.D

Acq: 11 May 2019 21:50

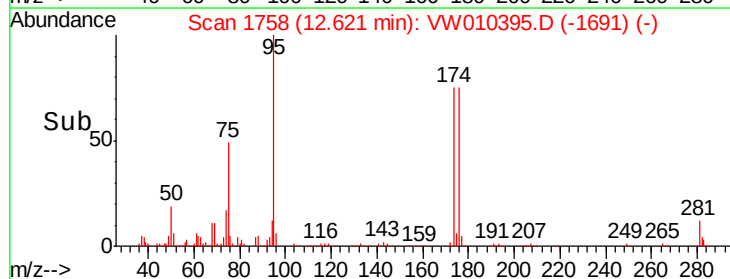
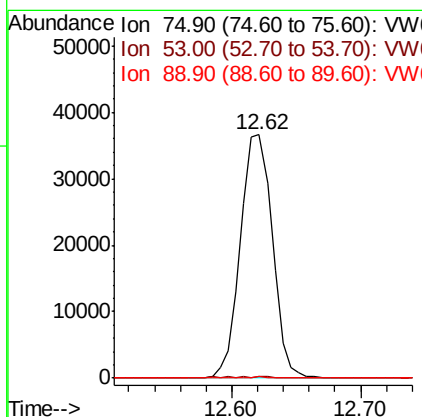
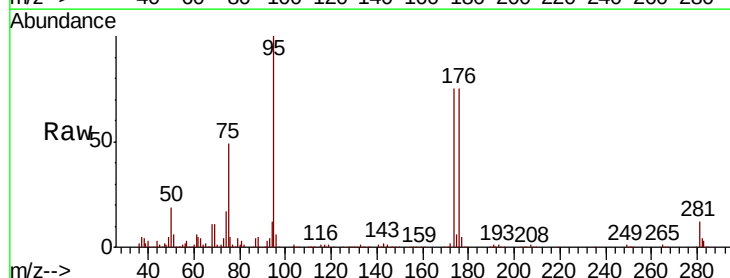
Tgt Ion: 75 Resp: 62973

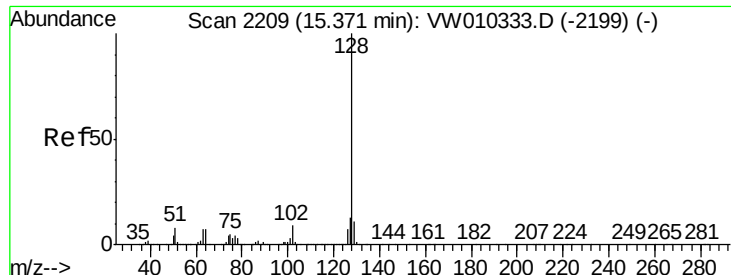
Ion Ratio Lower Upper

75 100

53 0.8 89.8 134.8#

89 0.1 36.6 54.8#





#95

Naphthalene

Concen: 4.095 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. 0.01 min

Lab File: VW010395.D

Acq: 11 May 2019 21:50

Instrument :

MSVOA_W

ClientSampleId :

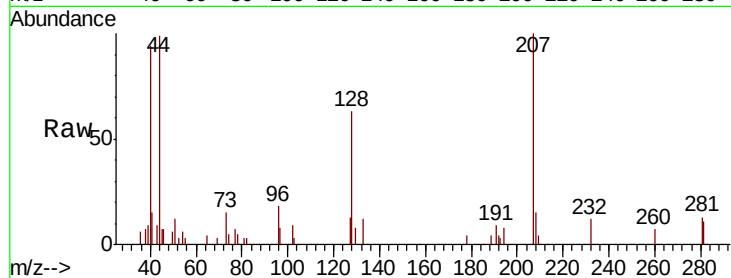
Tot Ion:128 Resp: 2108

Ion Ratio Lower Upper

128 100

127 5.6 10.6 15.8#

129 11.0 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

