

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW060319\
 Data File : VW010660.D
 Acq On : 03 Jun 2019 15:33
 Operator : SY/VA
 Sample : K3138-03
 Misc : 5.05G/5ML/MSVOA W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jun 04 07:38:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 21 06:38:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	169980	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	292044	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	252759	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	103763	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	93563	53.33	ug/l	0.00
Spiked Amount			Recovery	=	106.66%	
35) Dibromofluoromethane	7.88	113	89367	50.43	ug/l	0.00
Spiked Amount			Recovery	=	100.86%	
50) Toluene-d8	10.32	98	346786	51.23	ug/l	0.00
Spiked Amount			Recovery	=	102.46%	
62) 4-Bromofluorobenzene	12.62	95	124420	46.14	ug/l	0.00
Spiked Amount			Recovery	=	92.28%	

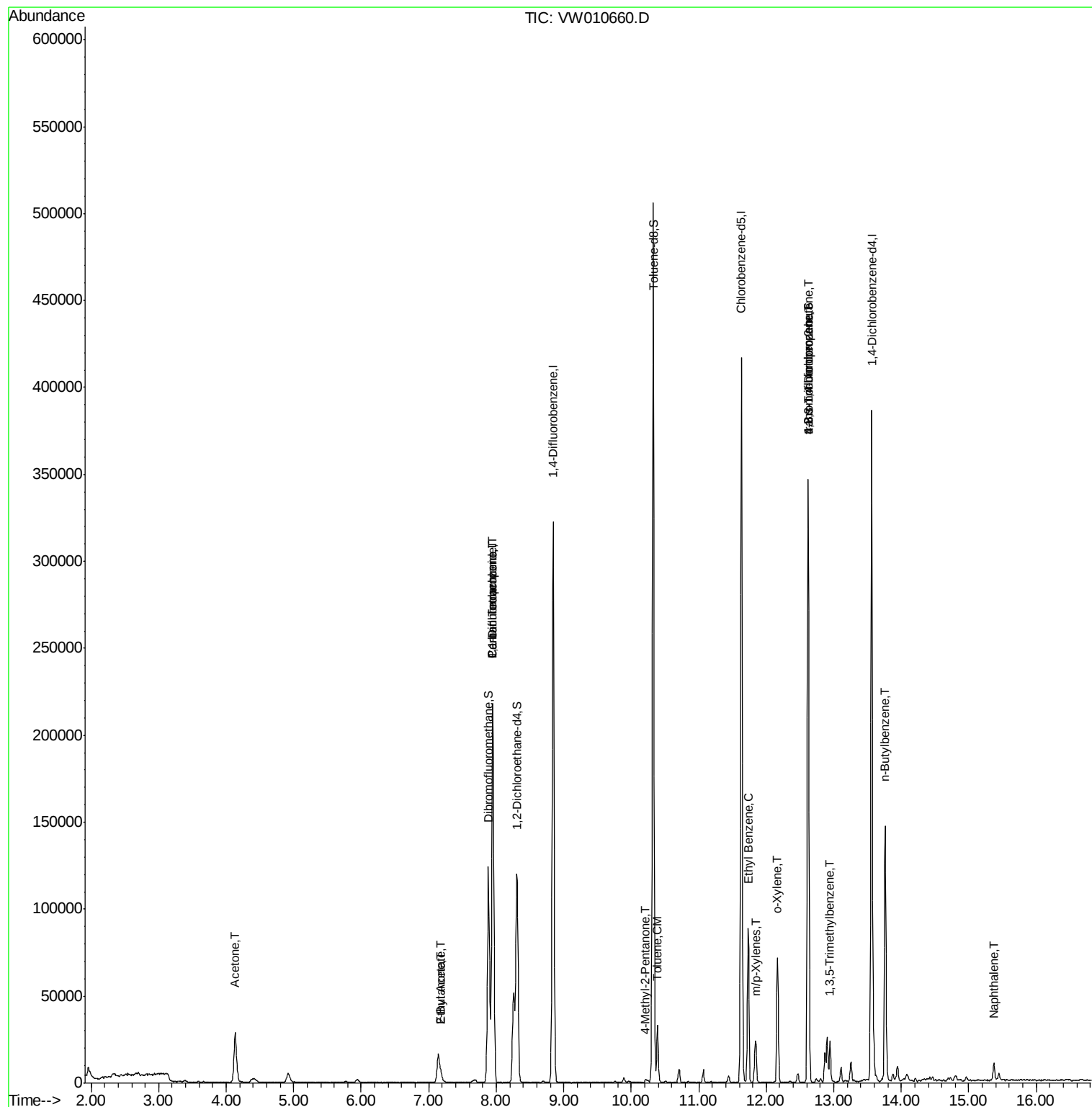
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	122	Below Cal	#	42
13) Acrolein	3.89	56	52	Below Cal	#	13
16) Acetone	4.14	43	49796	139.045	ug/l	98
20) Methylene Chloride	4.91	84	4140	Below Cal	#	89
25) 2-Butanone	7.18	43	7181	14.011	ug/l	98
36) 1,1-Dichloropropene	7.95	75	11955	4.394	ug/l #	48
37) Ethyl Acetate	7.18	43	7181	6.207	ug/l #	67
38) Carbon Tetrachloride	7.95	117	16630	5.667	ug/l #	16
51) 4-Methyl-2-Pentanone	10.21	43	1542	1.317	ug/l	90
52) Toluene	10.39	92	14163	2.789	ug/l	96
67) Ethyl Benzene	11.73	91	63675	6.695	ug/l	98
68) m/p-Xylenes	11.84	106	8666	2.323	ug/l	97
69) o-Xylene	12.17	106	20933	5.923	ug/l	99
76) 1,2,3-Trichloropropane	12.62	75	57142	54.253	ug/l #	1
80) 1,3,5-Trimethylbenzene	12.94	105	10616	1.522	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.62	75	57142	113.226	ug/l #	14
89) n-Butylbenzene	13.76	91	12702	1.731	ug/l #	41
95) Naphthalene	15.37	128	9154	1.946	ug/l	99

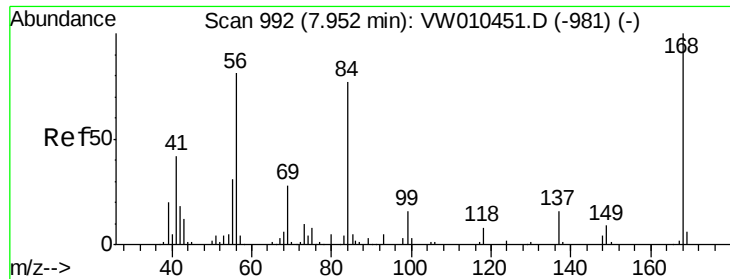
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :

Quant Time: Jun 04 07:38:34 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
Quant Title : SW846 8260
QLast Update : Tue May 21 06:38:43 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW010660.D

Acq: 03 Jun 2019 15:33

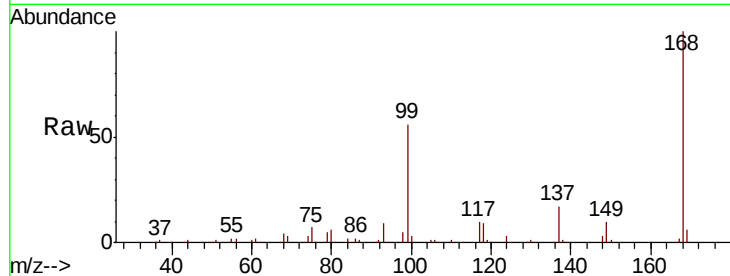
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 169980

Ion Ratio Lower Upper

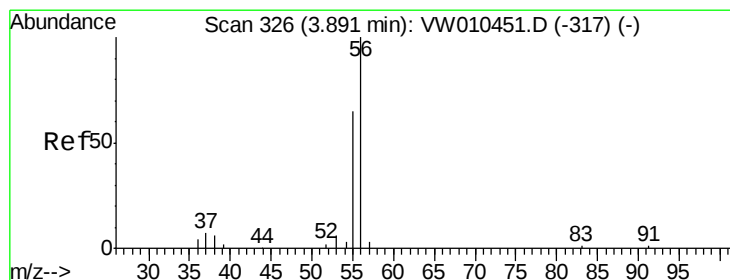
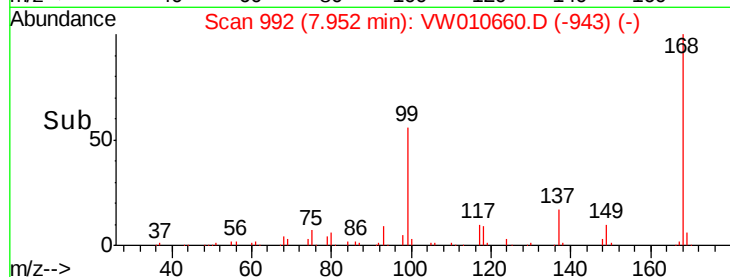
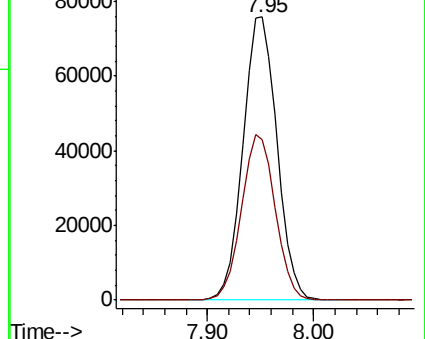
168 100

99 56.5 46.1 69.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#13

Acrolein

Concen: Below Cal

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW010660.D

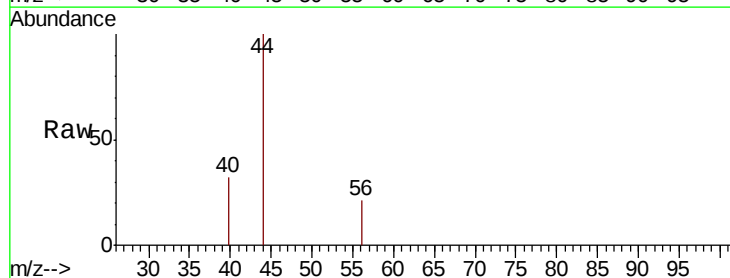
Acq: 03 Jun 2019 15:33

Tgt Ion: 56 Resp: 52

Ion Ratio Lower Upper

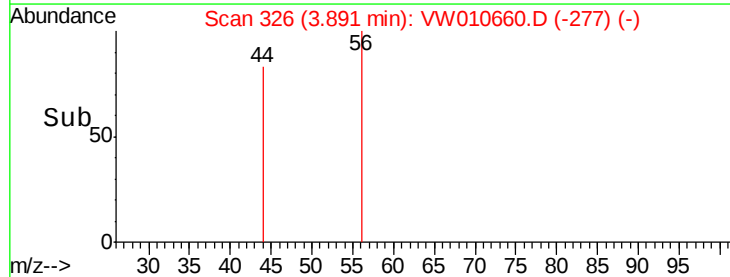
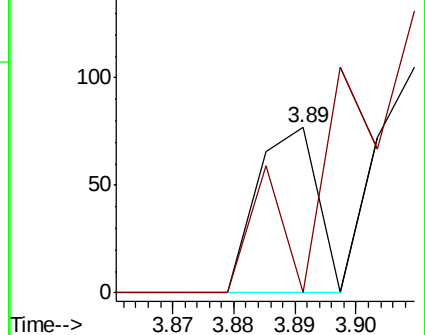
56 100

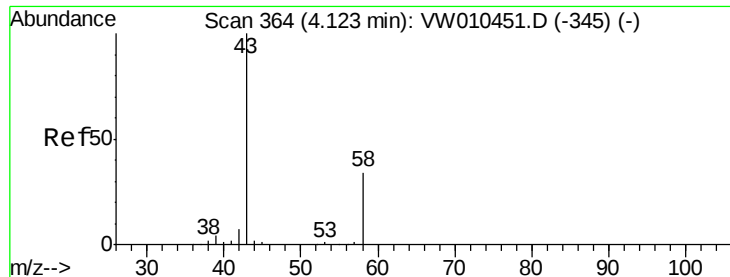
55 0.0 57.9 86.9#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW





#16

Acetone

Concen: 139.045 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW010660.D

Acq: 03 Jun 2019 15:33

Instrument :

MSVOA_W

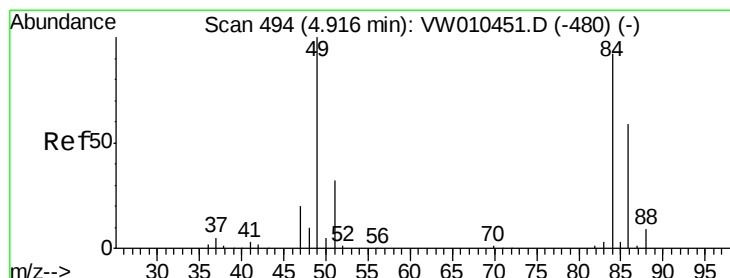
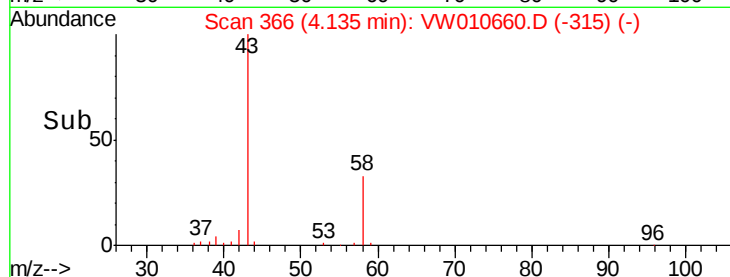
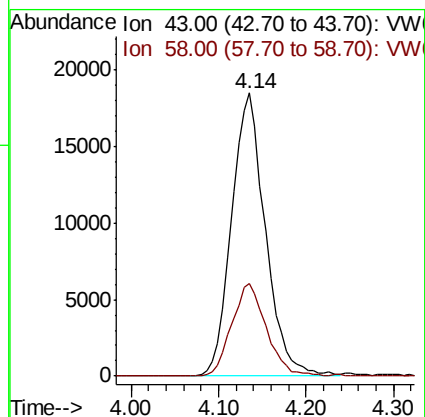
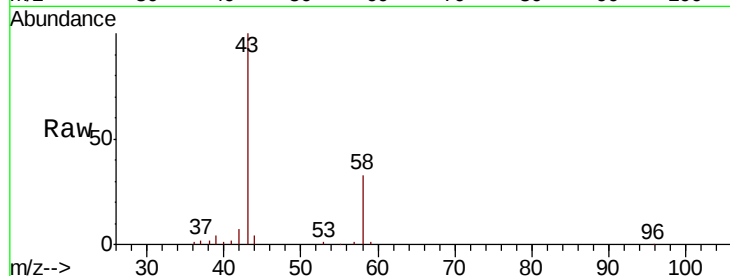
ClientSampleId :

Tot Ion: 43 Resp: 49796

Ion Ratio Lower Upper

43 100

58 32.5 27.0 40.4



#20

Methylene Chloride

Concen: Below Cal

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW010660.D

Acq: 03 Jun 2019 15:33

Tgt Ion: 84 Resp: 4140

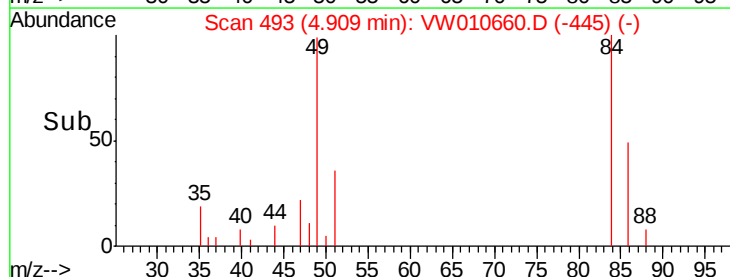
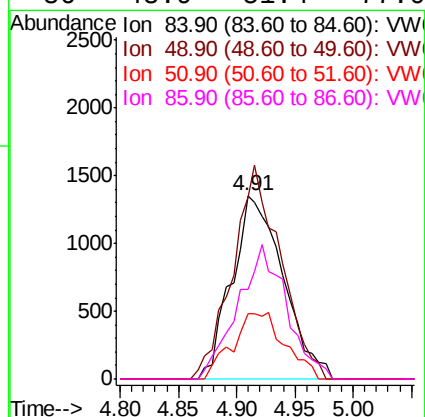
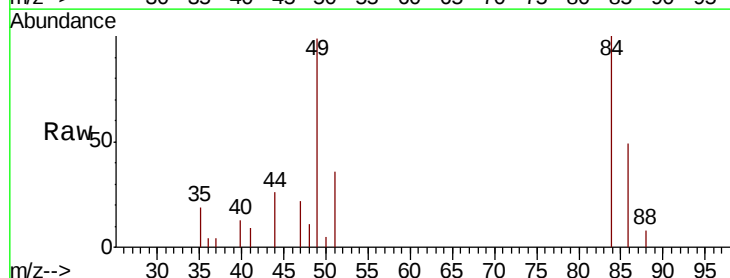
Ion Ratio Lower Upper

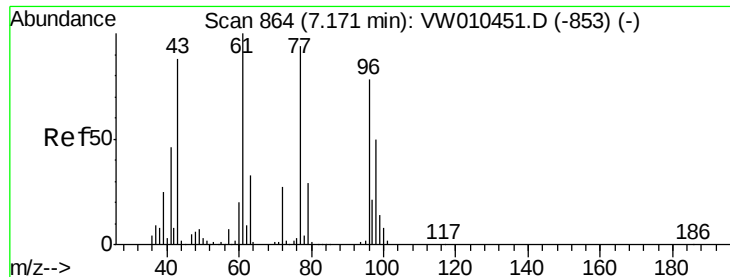
84 100

49 99.3 87.2 130.8

51 35.7 27.7 41.5

86 48.9 51.4 77.0#





#25

2-Butanone

Concen: 14.011 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW010660.D

Acq: 03 Jun 2019 15:33

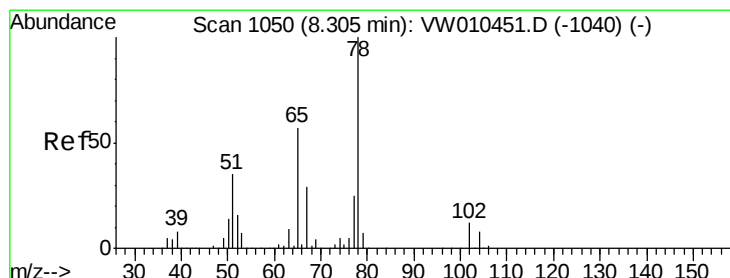
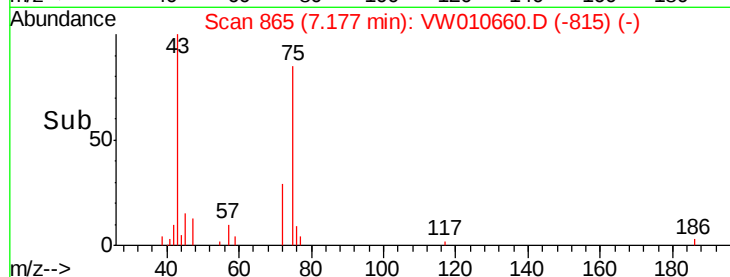
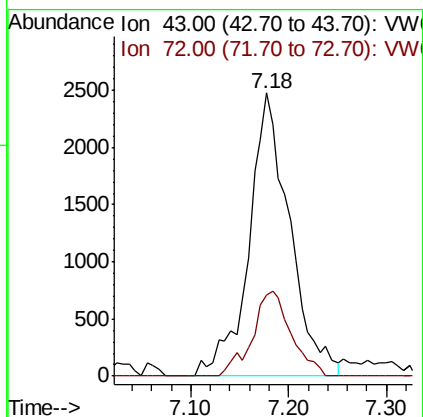
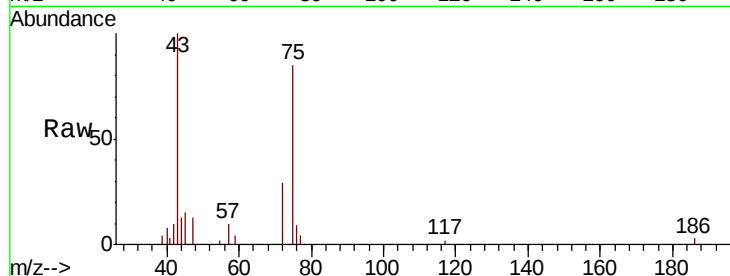
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 7181

Ion Ratio Lower Upper

43 100

72 28.8 24.1 36.1



#33

1,2-Dichloroethane-d4

Concen: 53.328 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW010660.D

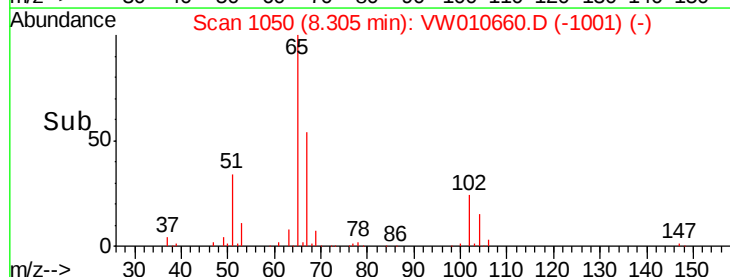
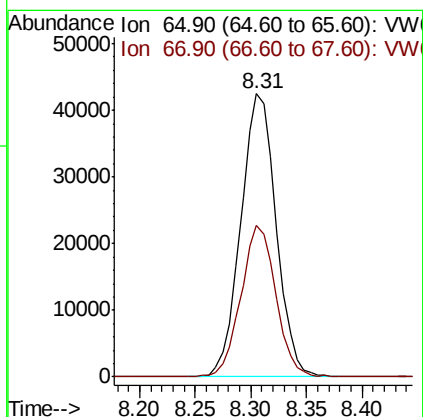
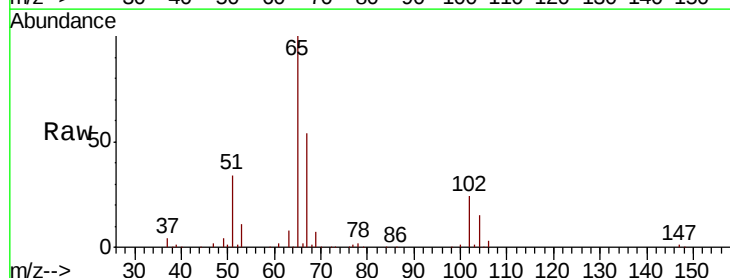
Acq: 03 Jun 2019 15:33

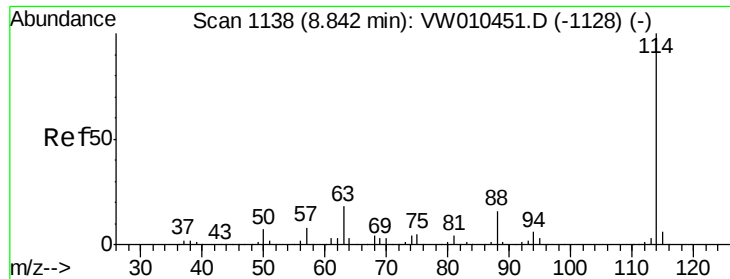
Tgt Ion: 65 Resp: 93563

Ion Ratio Lower Upper

65 100

67 52.9 0.0 103.6

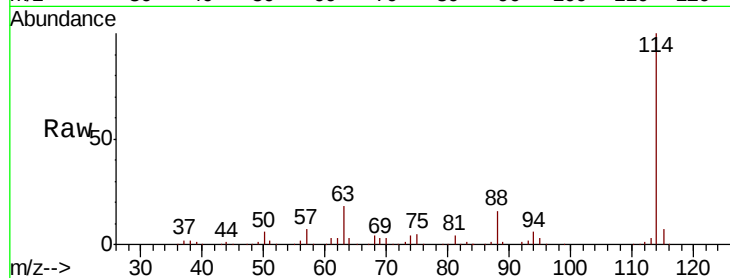




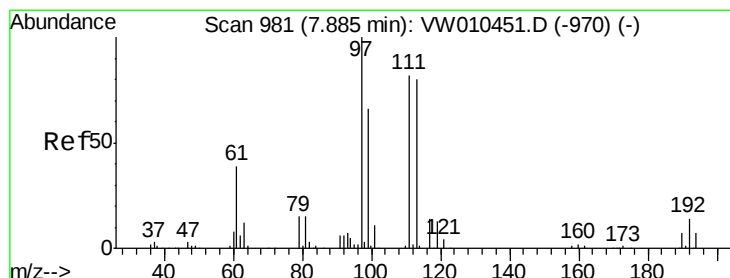
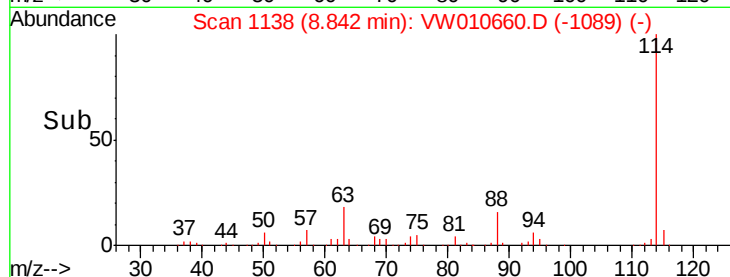
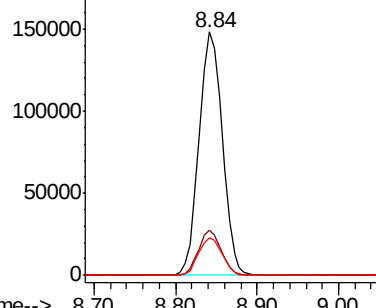
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW010660.D
 Acq: 03 Jun 2019 15:33

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	18.5	0.0	36.0
88	15.6	0.0	32.0

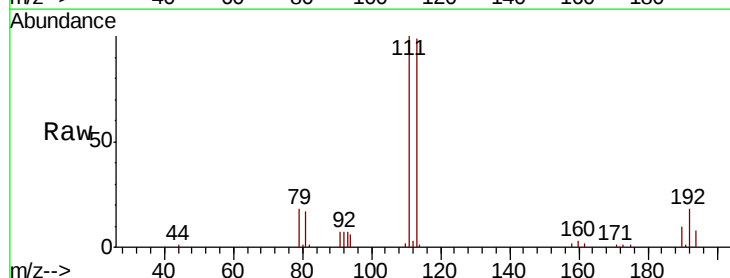


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

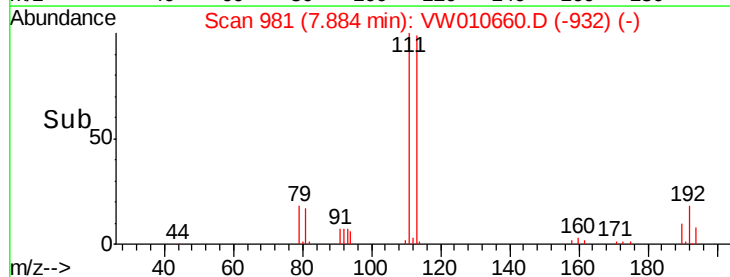
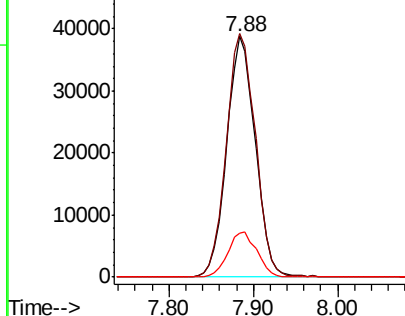


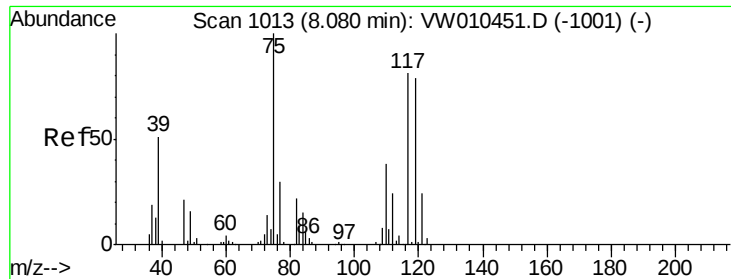
#35
 Dibromofluoromethane
 Concen: 50.431 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW010660.D
 Acq: 03 Jun 2019 15:33

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.4	82.2	123.4
192	18.9	14.3	21.5



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

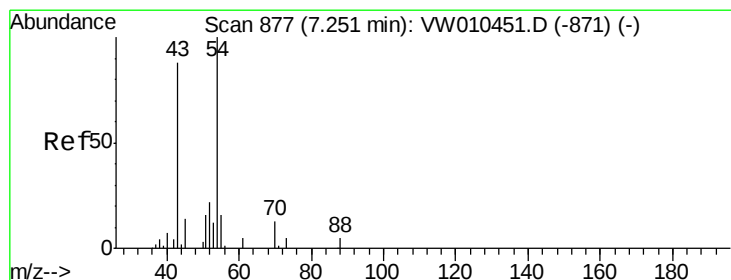
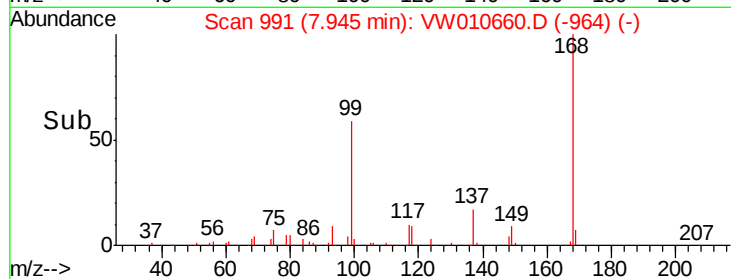
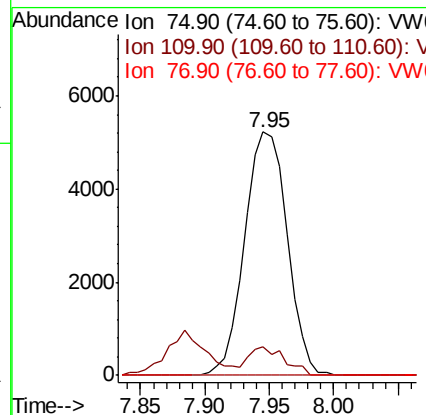
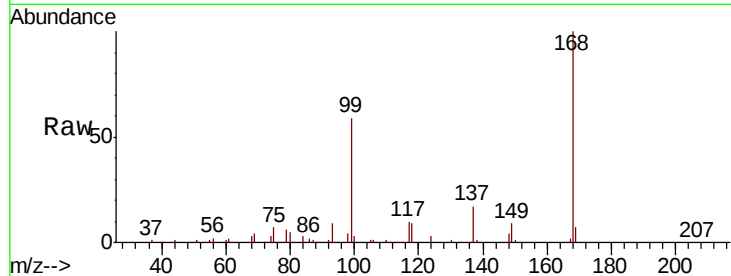




#36
 1,1-Dichloropropene
 Concen: 4.394 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW010660.D
 Acq: 03 Jun 2019 15:33

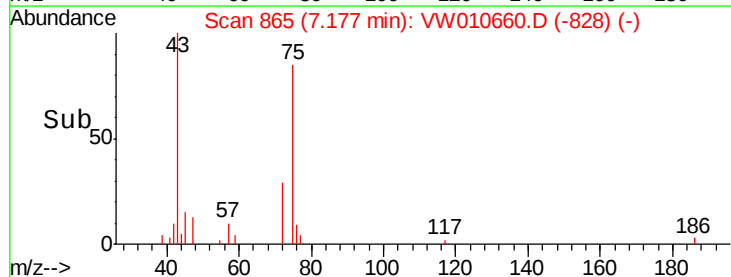
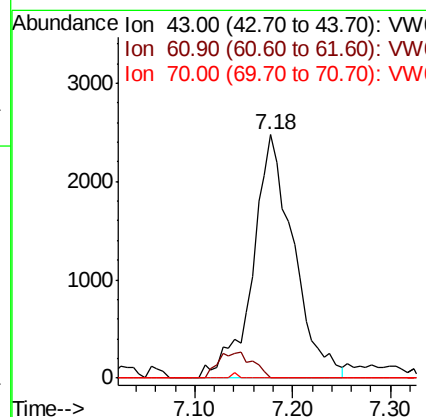
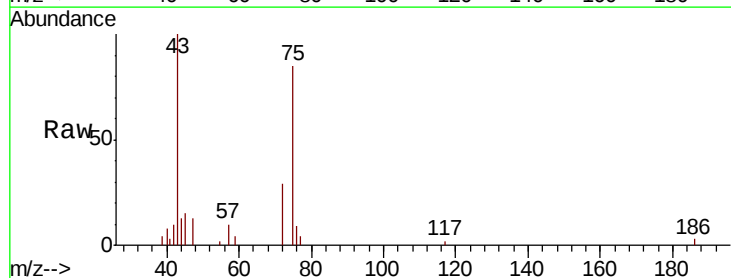
Instrument :
 MSVOA_W
 ClientSampled :

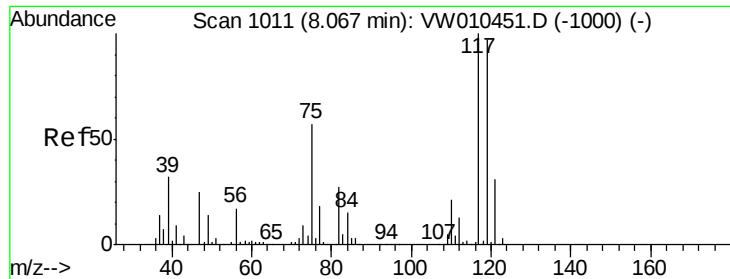
Tot Ion: 75 Resp: 11955
 Ion Ratio Lower Upper
 75 100
 110 9.7 19.2 57.6#
 77 0.0 25.2 37.8#



#37
 Ethyl Acetate
 Concen: 6.207 ug/l
 RT: 7.18 min Scan# 865
 Delta R.T. -0.07 min
 Lab File: VW010660.D
 Acq: 03 Jun 2019 15:33

Tgt Ion: 43 Resp: 7181
 Ion Ratio Lower Upper
 43 100
 61 0.0 11.2 16.8#
 70 0.0 9.9 14.9#

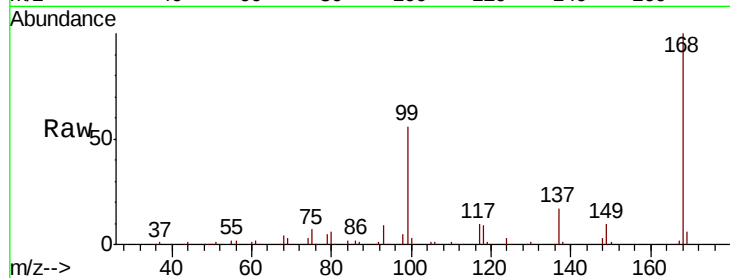




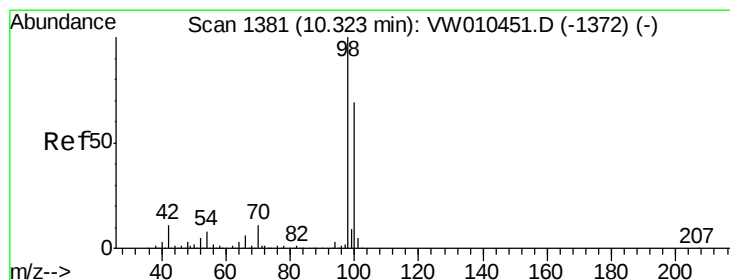
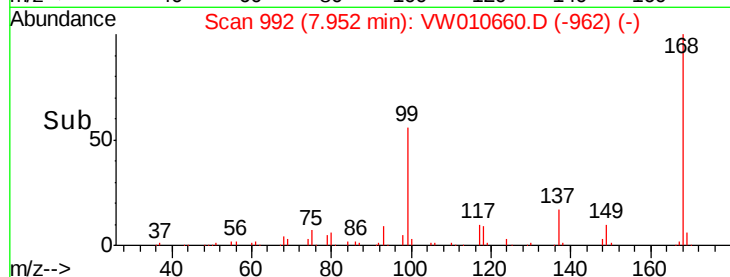
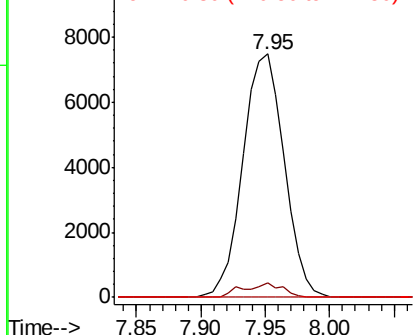
#38
Carbon Tetrachloride
Concen: 5.667 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW010660.D
Acq: 03 Jun 2019 15:33

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:117 Resp: 16630
Ion Ratio Lower Upper
117 100
119 5.9 77.4 116.0#
121 0.0 25.0 37.6#

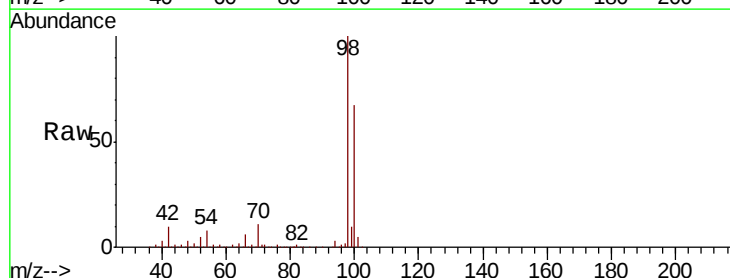


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

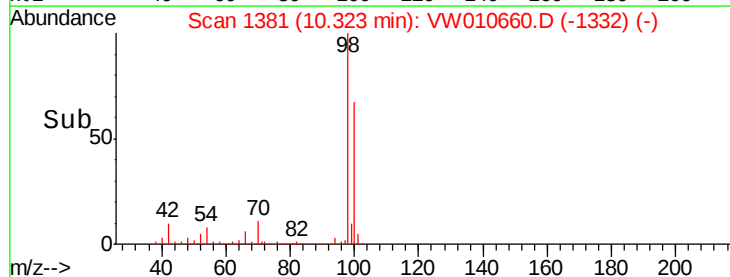
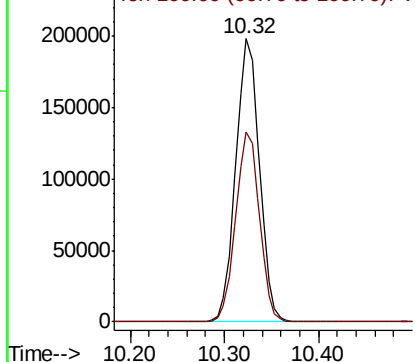


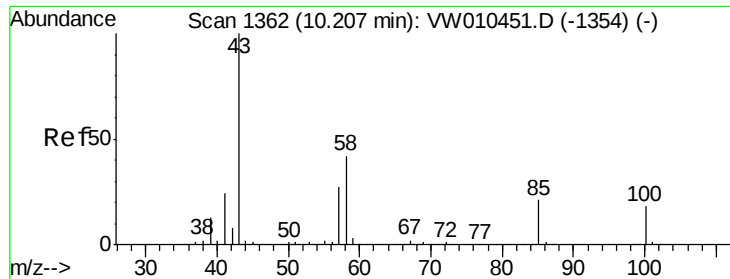
#50
Toluene-d8
Concen: 51.226 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW010660.D
Acq: 03 Jun 2019 15:33

Tgt Ion: 98 Resp: 346786
Ion Ratio Lower Upper
98 100
100 67.3 53.7 80.5



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 1.317 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW010660.D

Acq: 03 Jun 2019 15:33

Instrument :

MSVOA_W

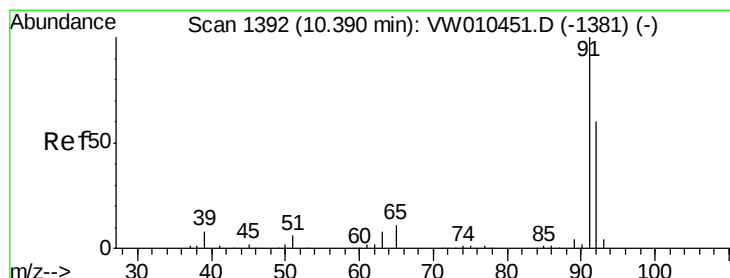
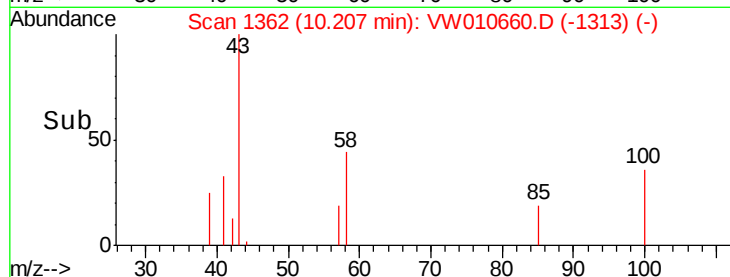
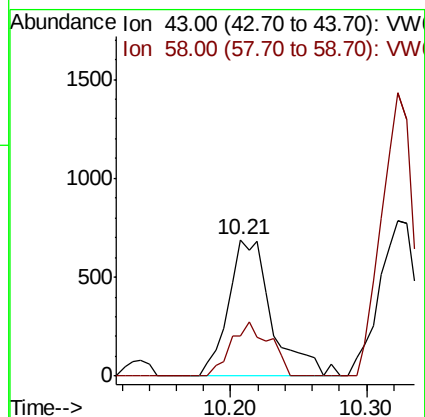
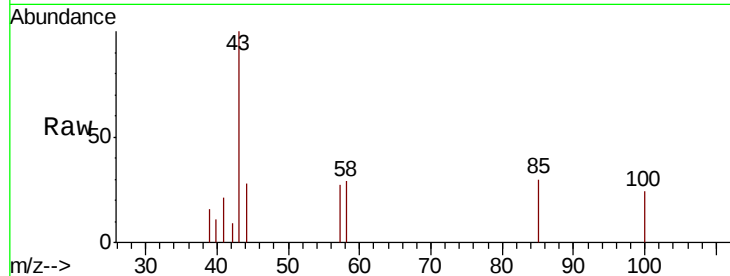
ClientSampled :

Tot Ion: 43 Resp: 1542

Ion Ratio Lower Upper

43 100

58 35.3 33.2 49.8



#52

Toluene

Concen: 2.789 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW010660.D

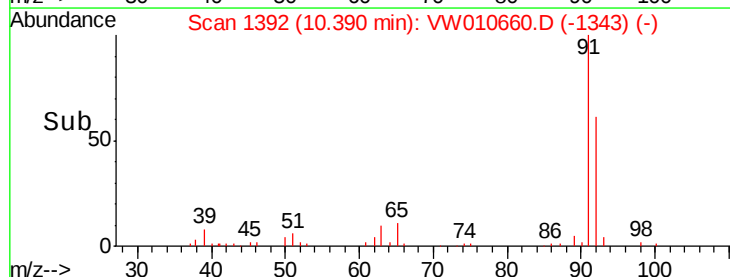
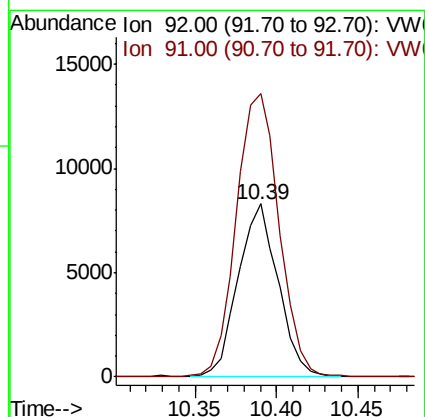
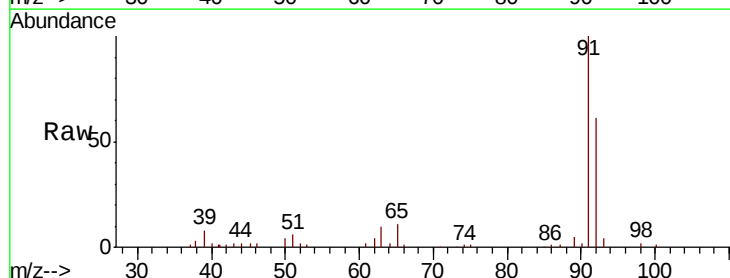
Acq: 03 Jun 2019 15:33

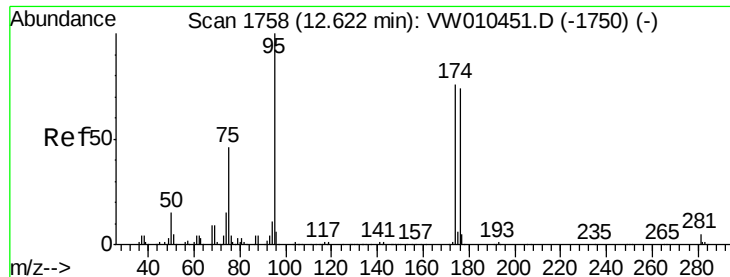
Tgt Ion: 92 Resp: 14163

Ion Ratio Lower Upper

92 100

91 175.1 135.4 203.0

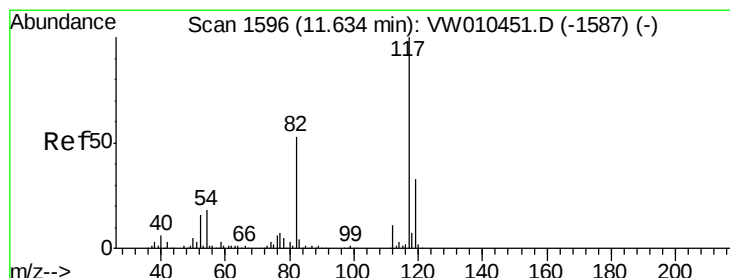
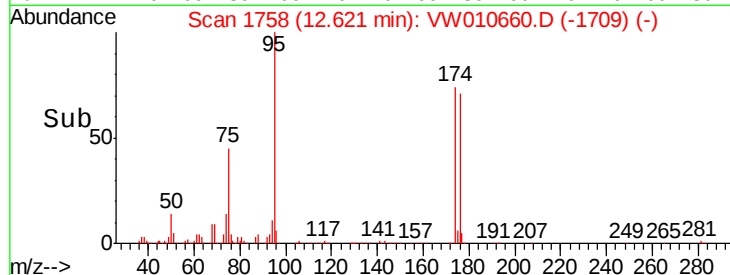
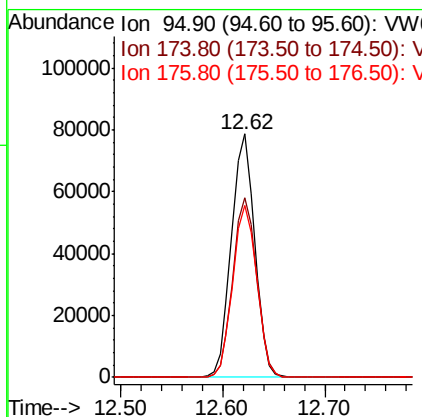
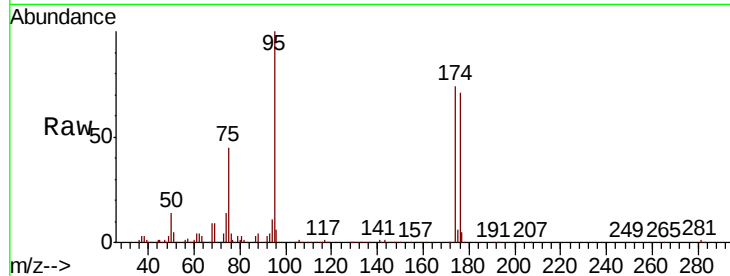




#62
4-Bromofluorobenzene
Concen: 46.142 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW010660.D
Acq: 03 Jun 2019 15:33

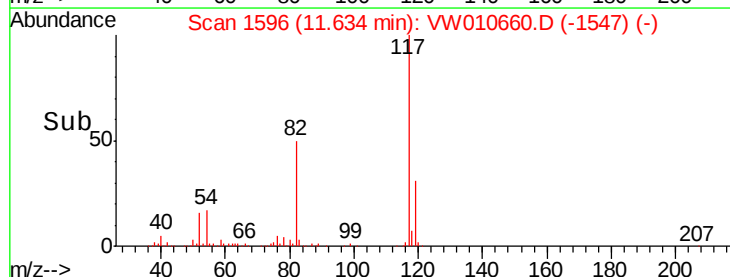
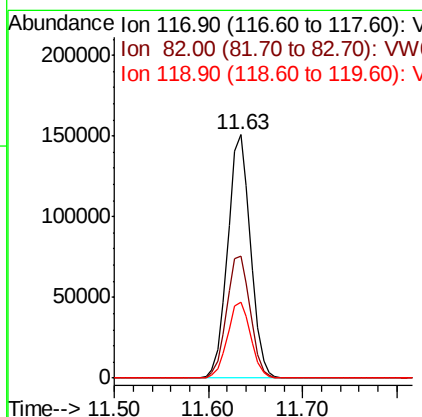
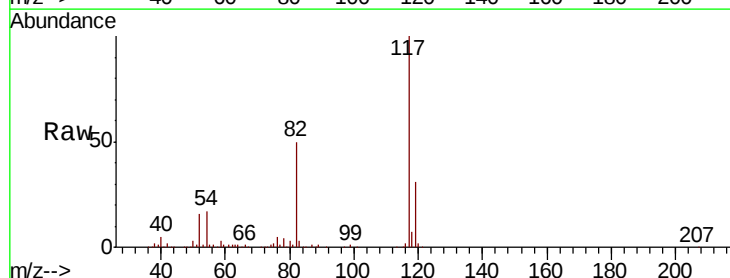
Instrument :
MSVOA_W
ClientSampleId :

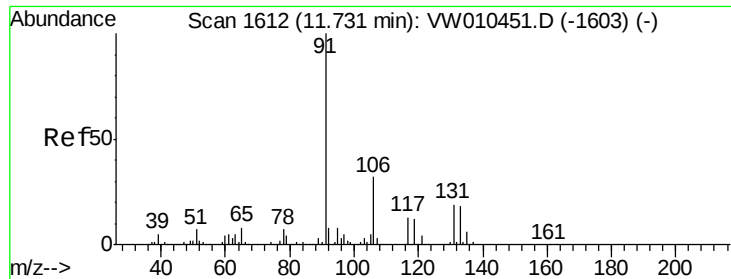
Tot Ion: 95 Resp: 124420
Ion Ratio Lower Upper
95 100
174 75.2 0.0 148.6
176 72.5 0.0 144.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010660.D
Acq: 03 Jun 2019 15:33

Tgt Ion: 117 Resp: 252759
Ion Ratio Lower Upper
117 100
82 50.3 42.8 64.2
119 31.1 26.3 39.5

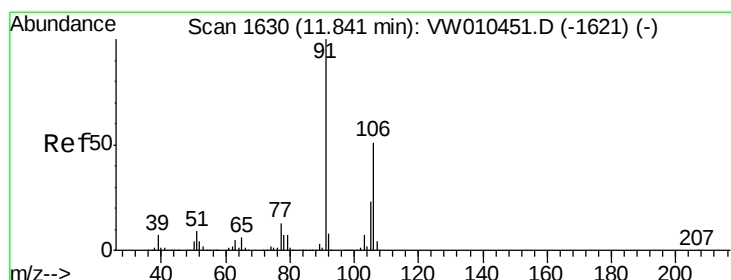
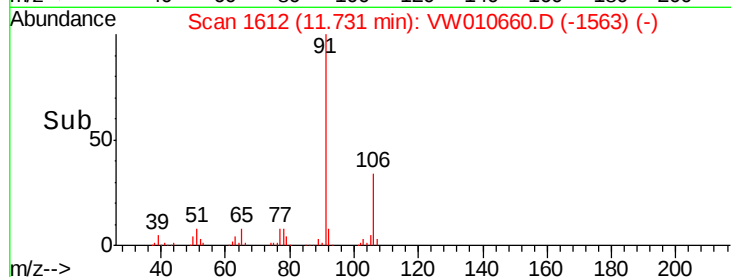
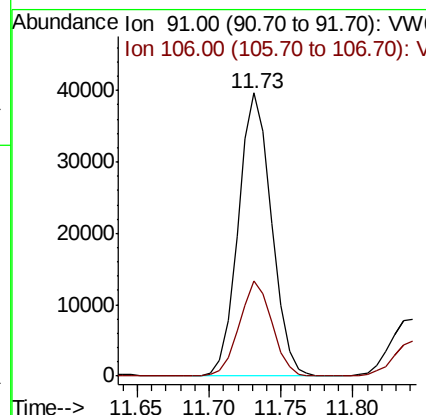
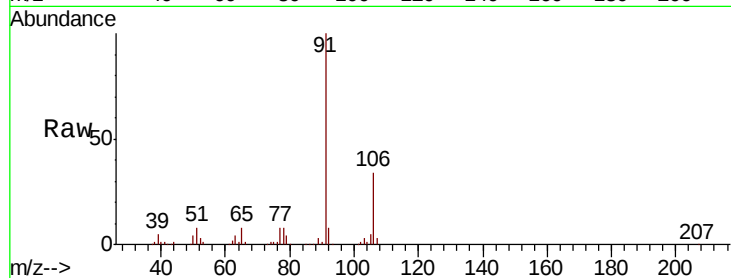




#67
Ethyl Benzene
Concen: 6.695 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010660.D
Acq: 03 Jun 2019 15:33

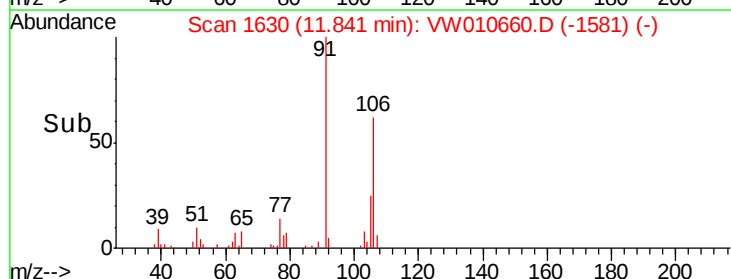
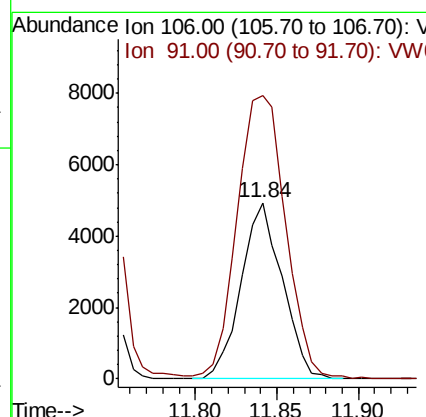
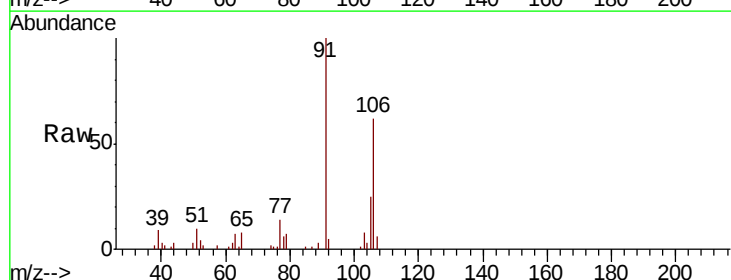
Instrument :
MSVOA_W
ClientSampled :

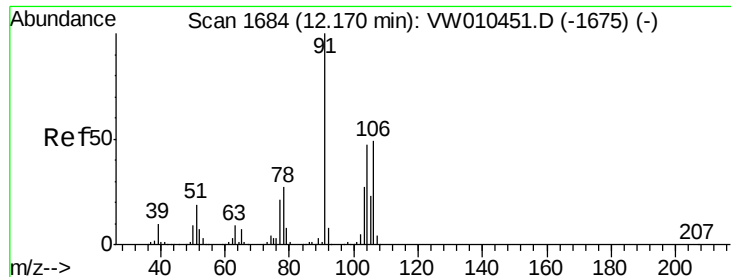
Tot Ion: 91 Resp: 63675
Ion Ratio Lower Upper
91 100
106 33.7 25.9 38.9



#68
m/p-Xylenes
Concen: 2.323 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW010660.D
Acq: 03 Jun 2019 15:33

Tgt Ion: 106 Resp: 8666
Ion Ratio Lower Upper
106 100
91 190.4 156.0 234.0

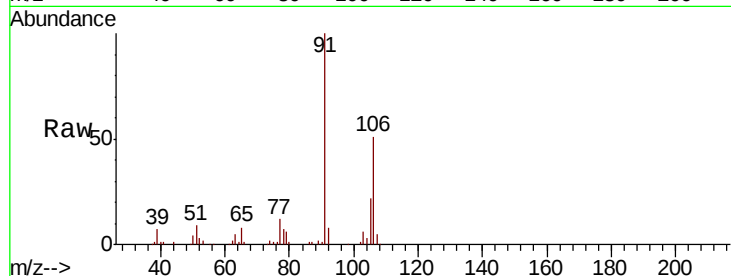




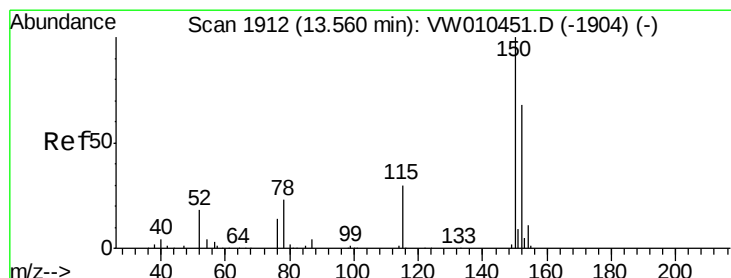
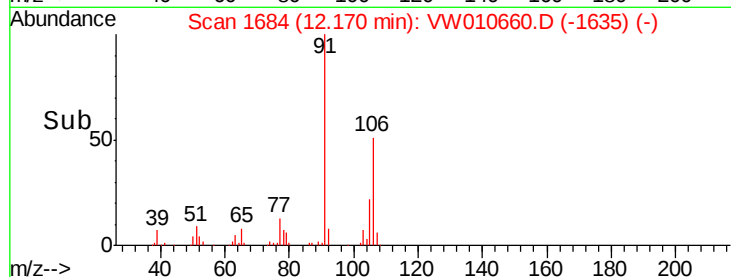
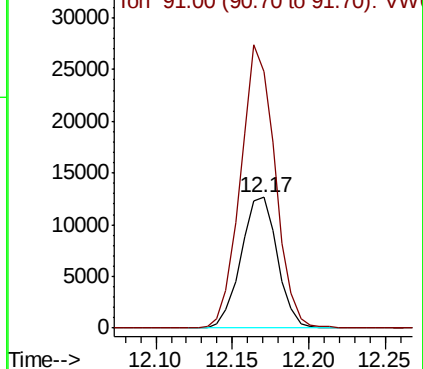
#69
o-Xylene
Concen: 5.923 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW010660.D
Acq: 03 Jun 2019 15:33

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:106 Resp: 20933
Ion Ratio Lower Upper
106 100
91 205.0 103.2 309.4

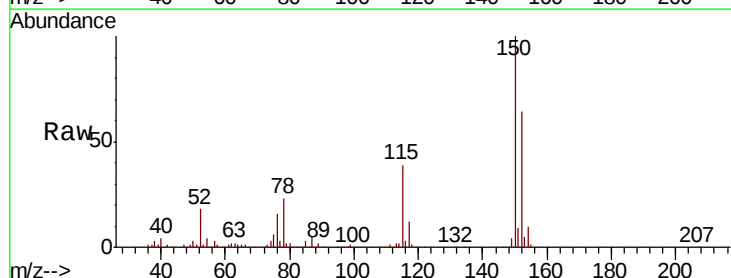


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

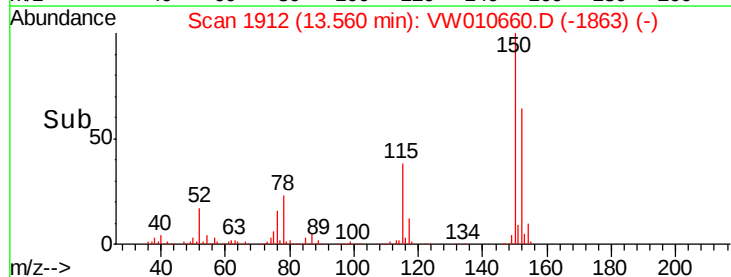
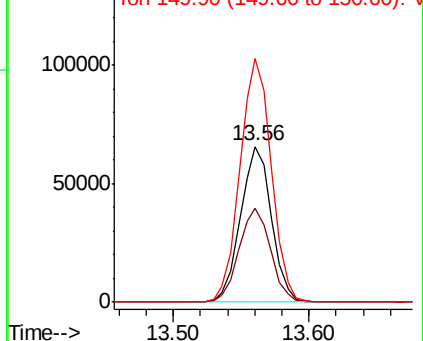


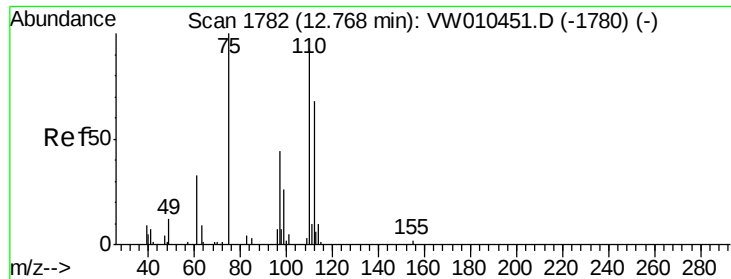
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW010660.D
Acq: 03 Jun 2019 15:33

Tgt Ion:152 Resp: 103763
Ion Ratio Lower Upper
152 100
115 62.1 30.3 91.0
150 159.3 0.0 349.8



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





#76

1,2,3-Trichloropropane

Concen: 54.253 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW010660.D

Acq: 03 Jun 2019 15:33

Instrument :

MSVOA_W

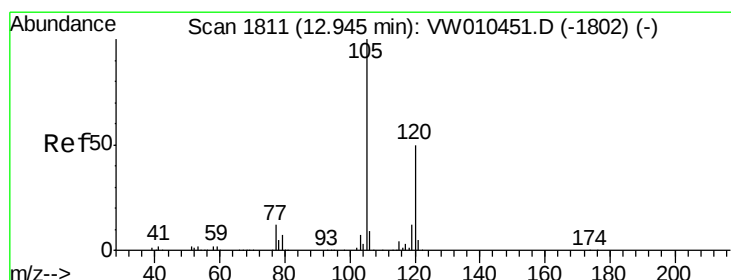
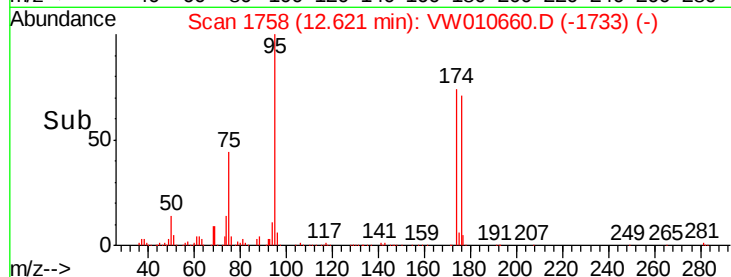
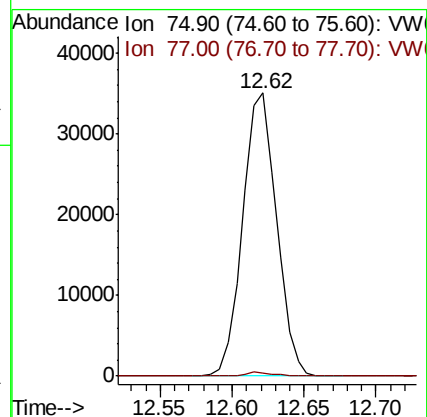
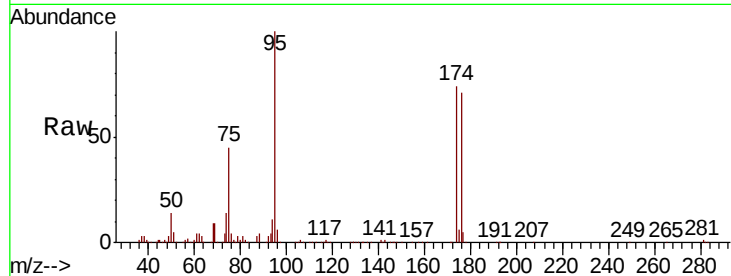
ClientSampleId :

Tot Ion: 75 Resp: 57142

Ion Ratio Lower Upper

75 100

77 1.2 170.0 510.1#



#80

1,3,5-Trimethylbenzene

Concen: 1.522 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW010660.D

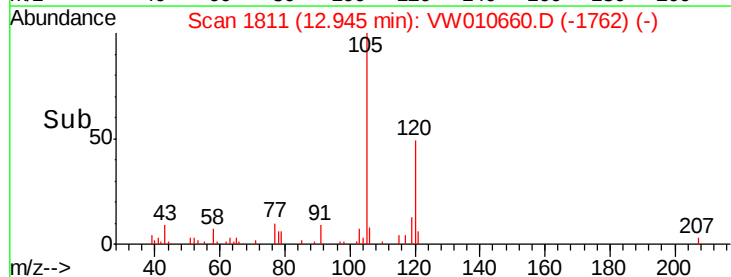
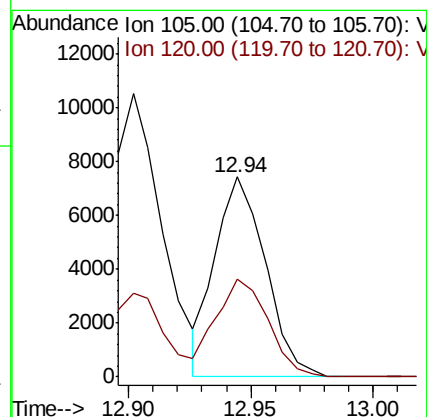
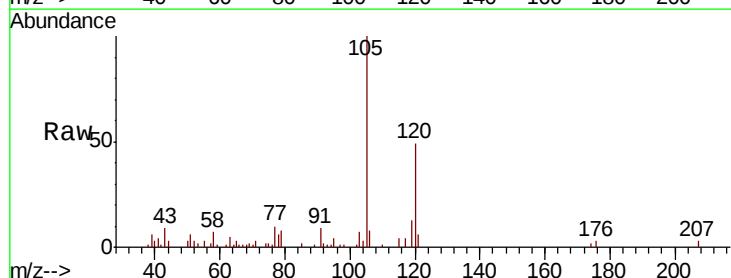
Acq: 03 Jun 2019 15:33

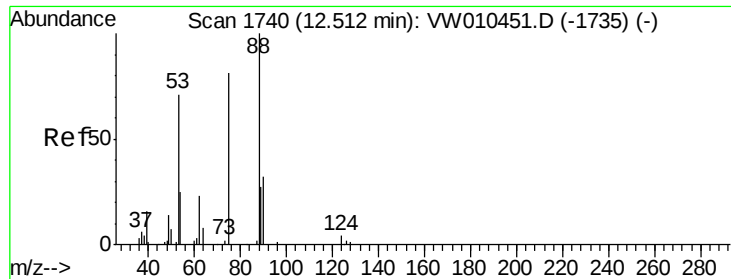
Tgt Ion: 105 Resp: 10616

Ion Ratio Lower Upper

105 100

120 50.7 25.2 75.6

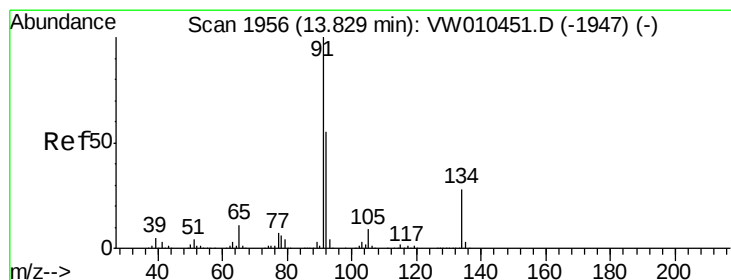
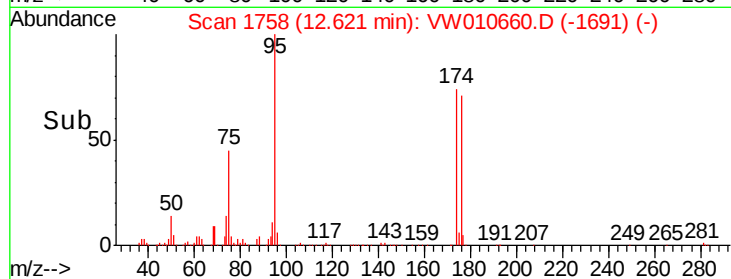
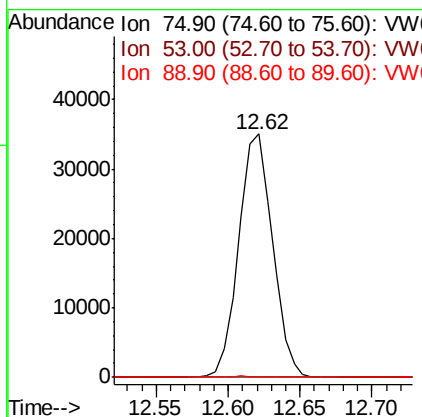
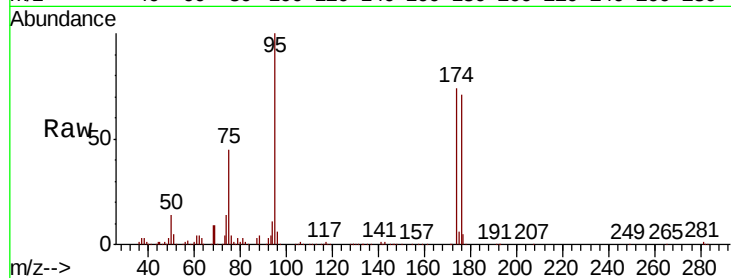




#81
trans-1,4-Dichloro-2-butene
Concen: 113.226 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.11 min
Lab File: VW010660.D
Acq: 03 Jun 2019 15:33

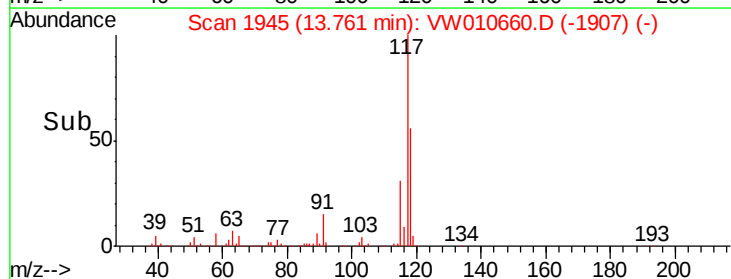
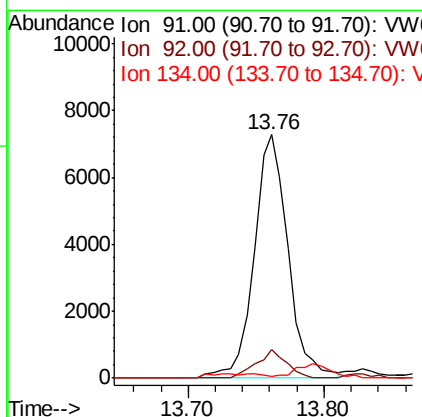
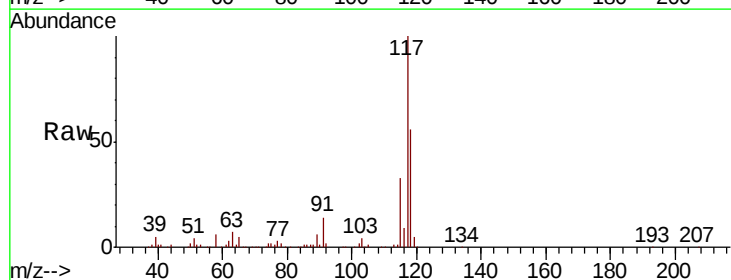
Instrument :
MSVOA_W
ClientSampleId :

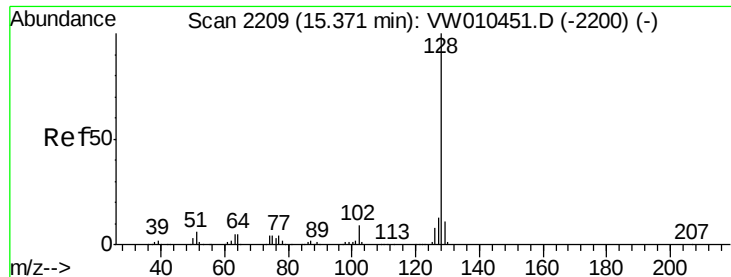
Tot Ion: 75 Resp: 57142
Ion Ratio Lower Upper
75 100
53 0.0 69.8 104.8#
89 0.1 39.5 59.3#



#89
n-Butylbenzene
Concen: 1.731 ug/l
RT: 13.76 min Scan# 1945
Delta R.T. -0.07 min
Lab File: VW010660.D
Acq: 03 Jun 2019 15:33

Tgt Ion: 91 Resp: 12702
Ion Ratio Lower Upper
91 100
92 10.3 27.7 83.1#
134 0.0 13.9 41.6#





#95
Naphthalene
Concen: 1.946 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW010660.D
Acq: 03 Jun 2019 15:33

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.6	15.8
129	11.3	8.9	13.3

