

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW060319\
 Data File : VW010671.D
 Acq On : 03 Jun 2019 20:34
 Operator : SY/VA
 Sample : K3165-09
 Misc : 5.07G/5ML/MSVOA W/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 13873

Quant Time: Jun 04 08:34:19 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	74696	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	127423	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	115863	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	55380	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	37336	48.43	ug/l	0.00
Spiked Amount			Recovery	=	96.86%	
35) Dibromofluoromethane	7.88	113	38177	49.38	ug/l	0.00
Spiked Amount			Recovery	=	98.76%	
50) Toluene-d8	10.32	98	153192	51.86	ug/l	0.00
Spiked Amount			Recovery	=	103.72%	
62) 4-Bromofluorobenzene	12.62	95	74804	63.58	ug/l	0.00
Spiked Amount			Recovery	=	127.16%	

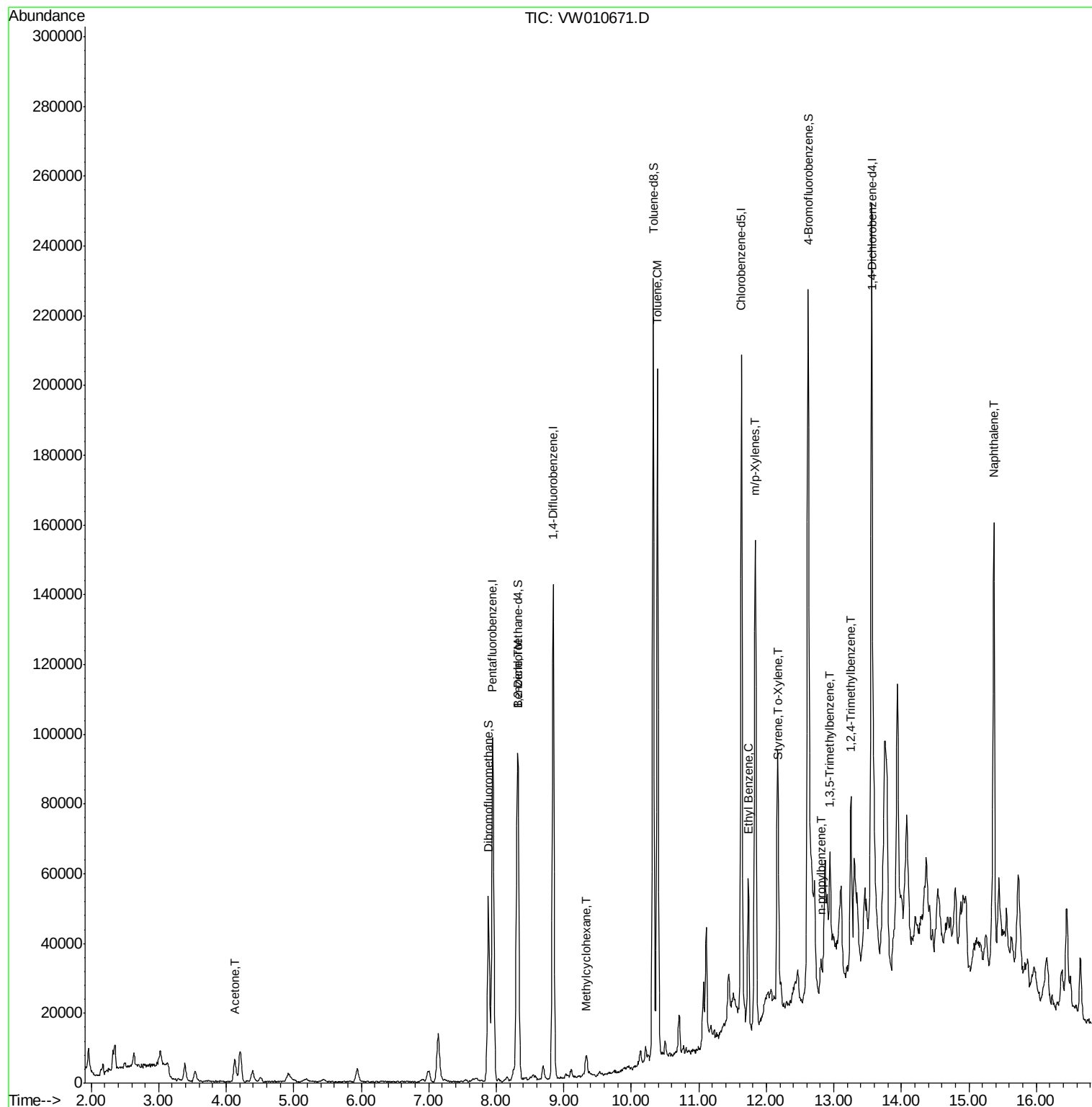
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.13	43	11364	72.209	ug/l	95
39) Methylcyclohexane	9.34	83	3373	2.121	ug/l #	87
40) Benzene	8.32	78	66272	20.087	ug/l	98
52) Toluene	10.39	92	88719	40.042	ug/l	99
67) Ethyl Benzene	11.73	91	29958	6.872	ug/l	99
68) m/p-Xylenes	11.83	106	45788	26.777	ug/l	99
69) o-Xylene	12.17	106	20153	12.439	ug/l	99
70) Styrene	12.18	104	9095	3.309	ug/l #	71
78) n-propylbenzene	12.81	91	6714	1.311	ug/l	95
80) 1,3,5-Trimethylbenzene	12.94	105	12292	3.303	ug/l	93
84) 1,2,4-Trimethylbenzene	13.26	105	26777	7.223	ug/l	98
95) Naphthalene	15.37	128	106967	42.602	ug/l	99

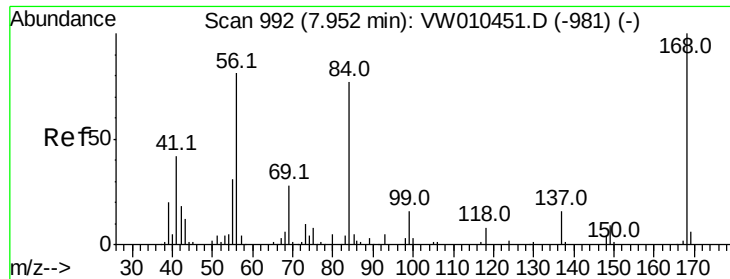
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW060319\
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Acq On : 03 Jun 2019 20:34
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Misc : 5.07G/5ML/MSVOA W/SOIL
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Quant Time: Jun 04 08:34:19 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: VW010671.D

Acq: 03 Jun 2019 20:34

Instrument :

MSVOA_W

ClientSampleId :

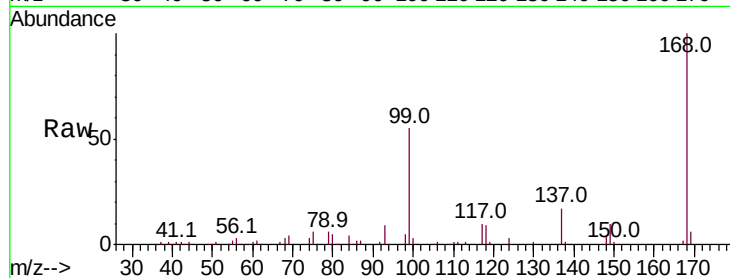
13873

Tot Ion:168 Resp: 74696

Ion Ratio Lower Upper

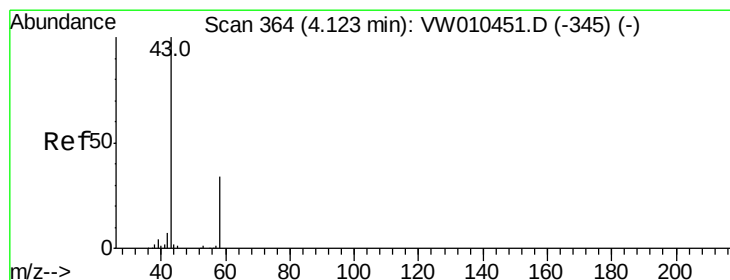
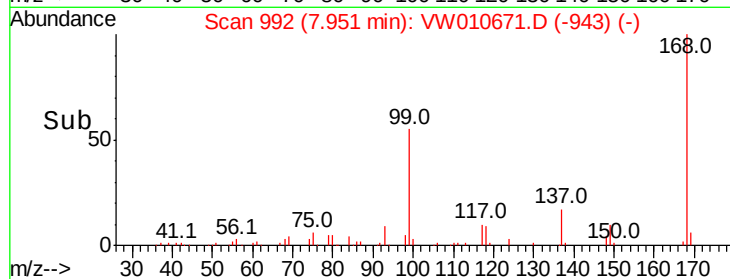
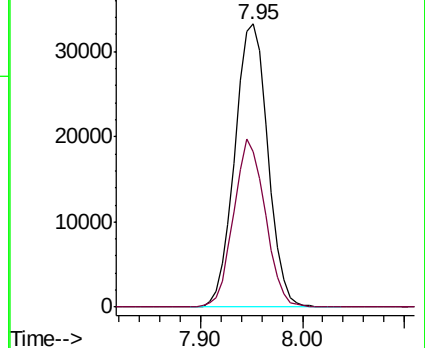
168 100

99 54.8 46.1 69.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#16

Acetone

Concen: 72.209 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW010671.D

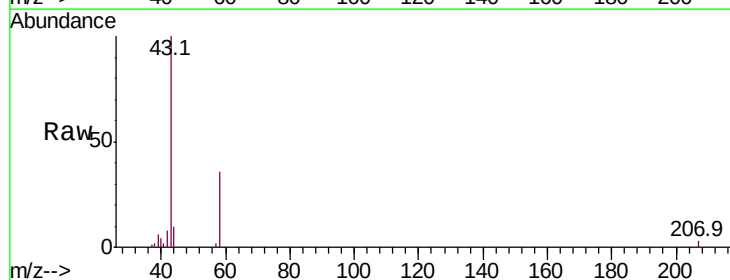
Acq: 03 Jun 2019 20:34

Tgt Ion: 43 Resp: 11364

Ion Ratio Lower Upper

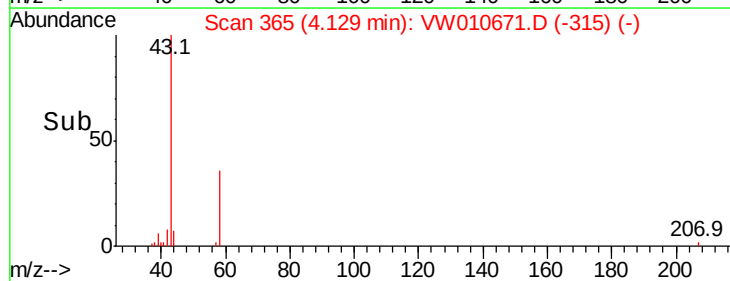
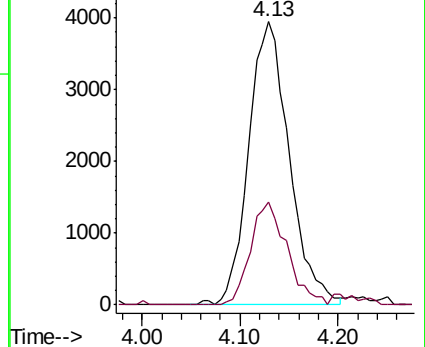
43 100

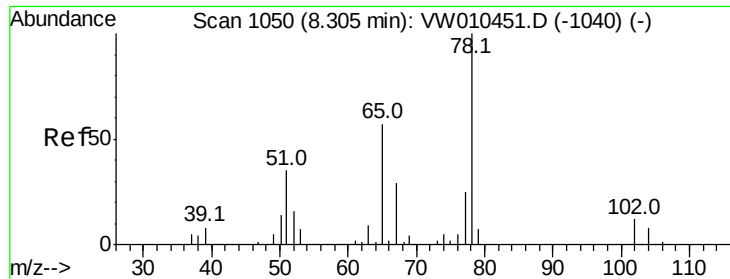
58 36.3 27.0 40.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#33

1,2-Dichloroethane-d4

Concen: 48.426 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. 0.01 min

Lab File: VW010671.D

Acq: 03 Jun 2019 20:34

Instrument :

MSVOA_W

ClientSampled :

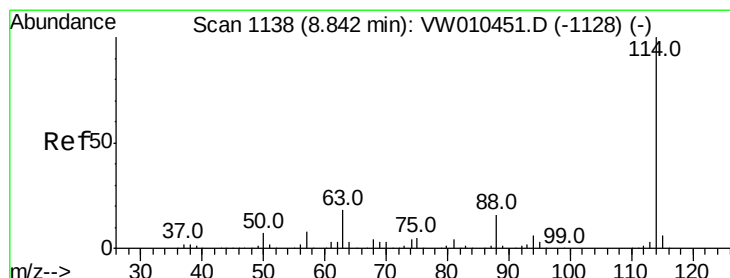
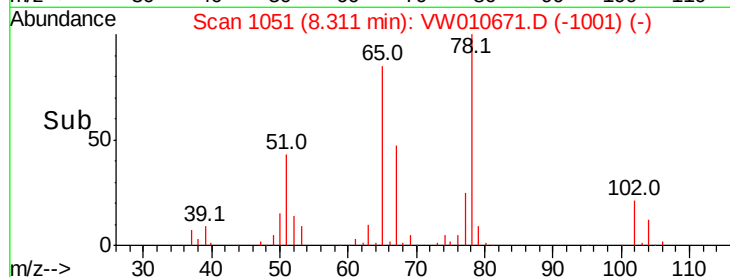
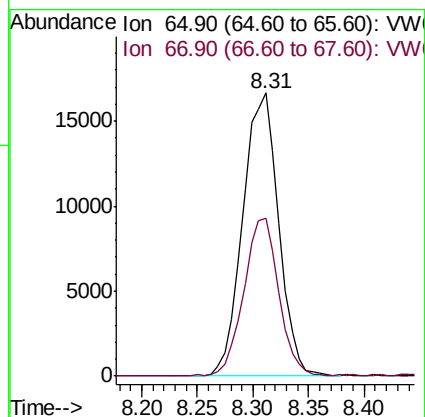
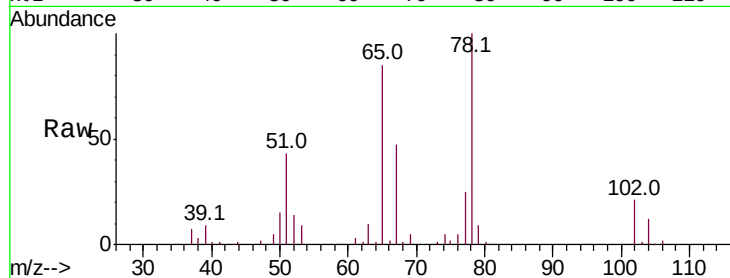
13873

Tot Ion: 65 Resp: 37336

Ion Ratio Lower Upper

65 100

67 54.5 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: VW010671.D

Acq: 03 Jun 2019 20:34

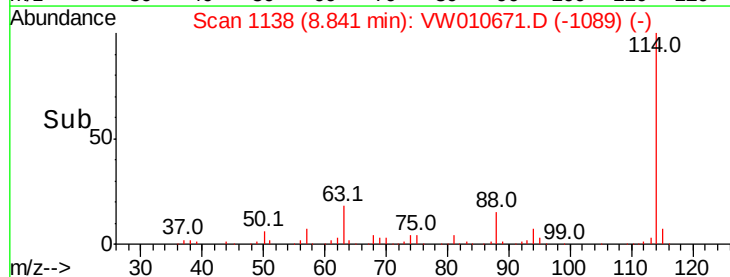
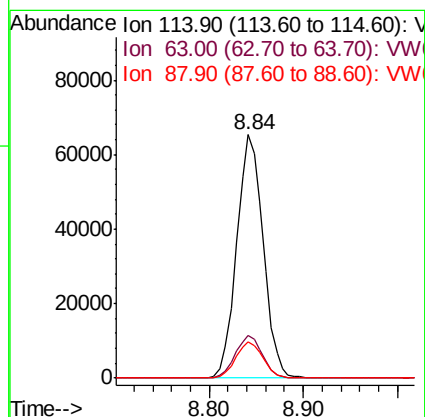
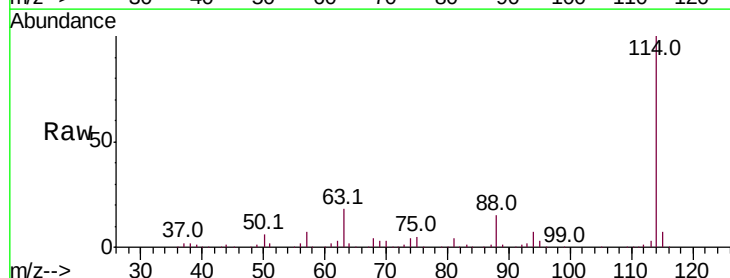
Tgt Ion: 114 Resp: 127423

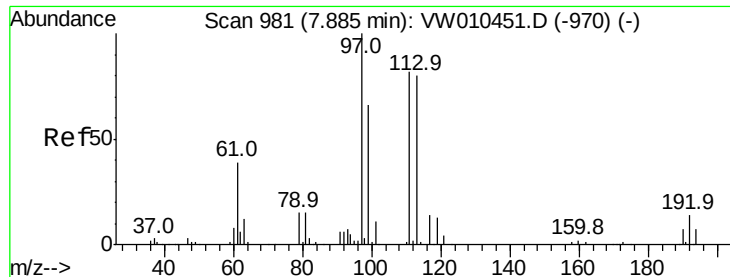
Ion Ratio Lower Upper

114 100

63 17.5 0.0 36.0

88 14.8 0.0 32.0

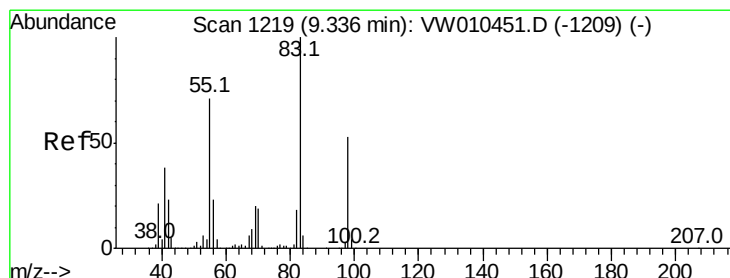
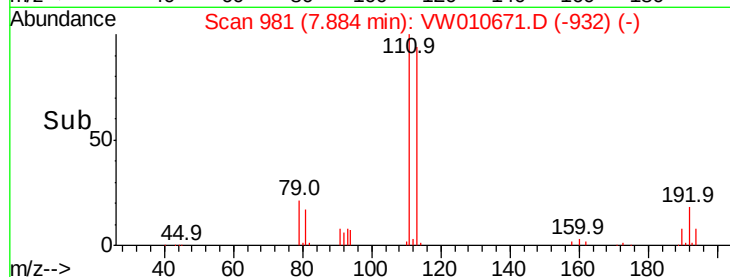
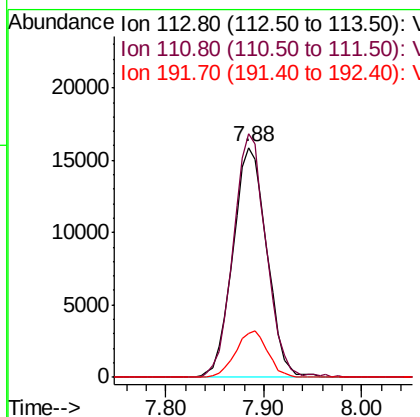
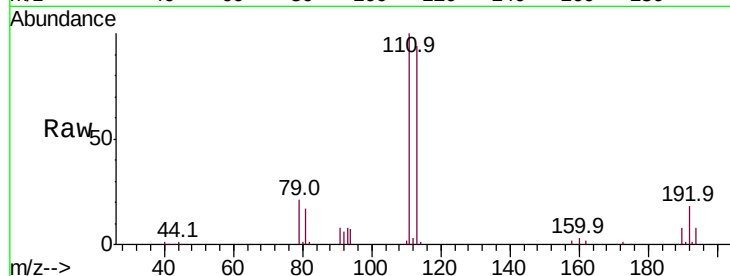




#35
 Dibromofluoromethane
 Concen: 49.377 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW010671.D
 Acq: 03 Jun 2019 20:34

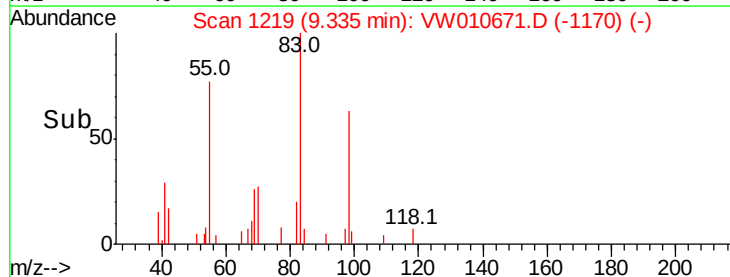
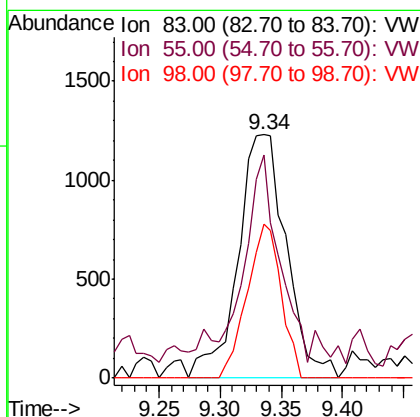
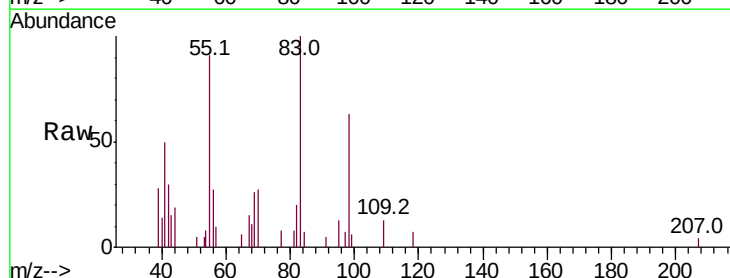
Instrument :
 MSVOA_W
 ClientSampled :
 13873

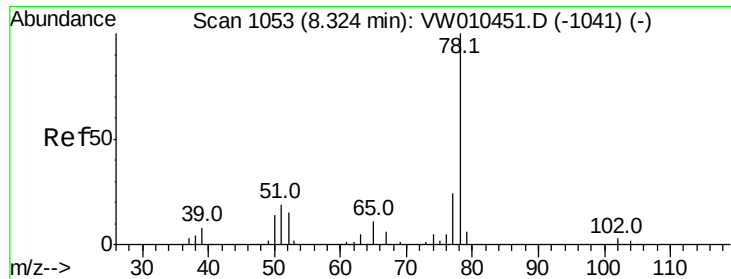
Tot Ion:113 Resp: 38177
 Ion Ratio Lower Upper
 113 100
 111 102.5 82.2 123.4
 192 19.0 14.3 21.5



#39
 Methylcyclohexane
 Concen: 2.121 ug/l
 RT: 9.34 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VW010671.D
 Acq: 03 Jun 2019 20:34

Tgt Ion: 83 Resp: 3373
 Ion Ratio Lower Upper
 83 100
 55 80.6 57.0 85.6
 98 63.0 42.0 63.0#





#40

Benzene

Concen: 20.087 ug/l

RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VW010671.D

Acq: 03 Jun 2019 20:34

Instrument :

MSVOA_W

ClientSampleId :

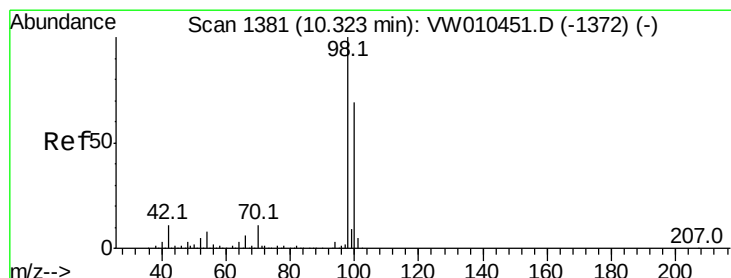
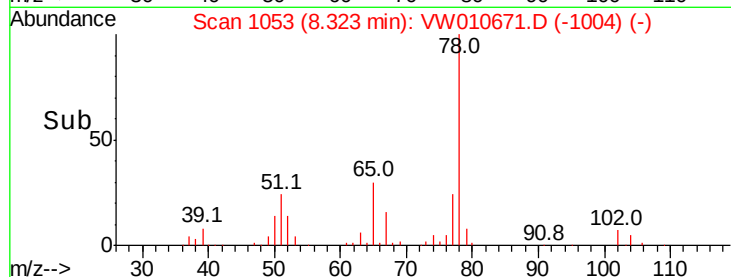
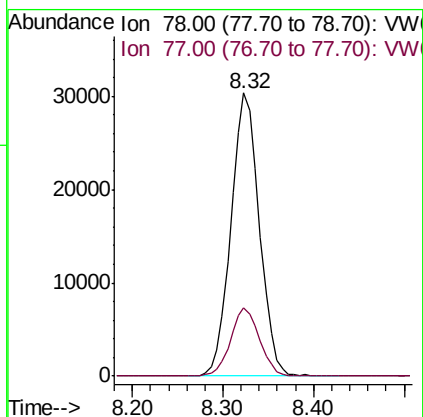
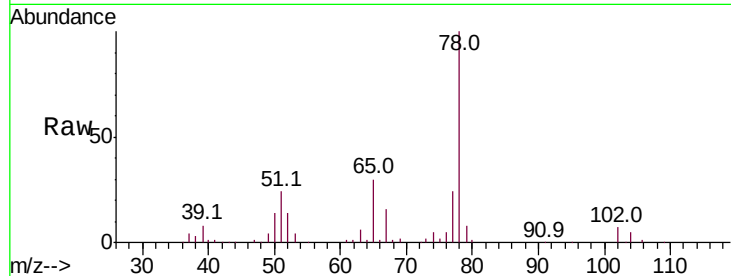
13873

Tot Ion: 78 Resp: 66272

Ion Ratio Lower Upper

78 100

77 24.4 18.9 28.3



#50

Toluene-d8

Concen: 51.864 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW010671.D

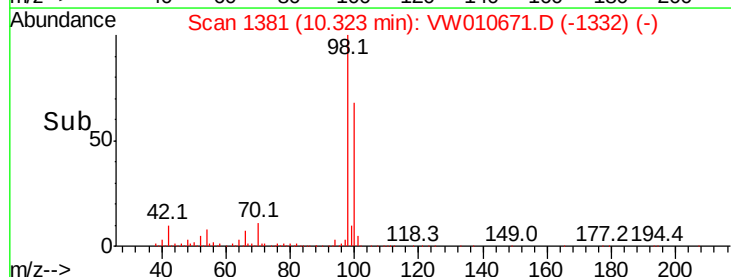
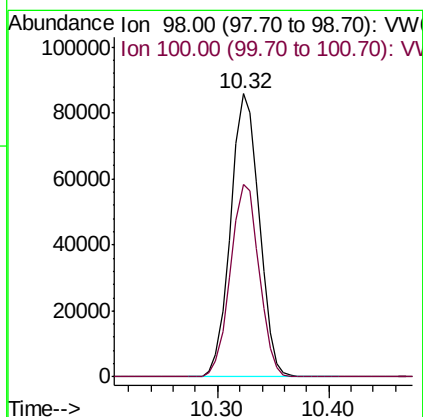
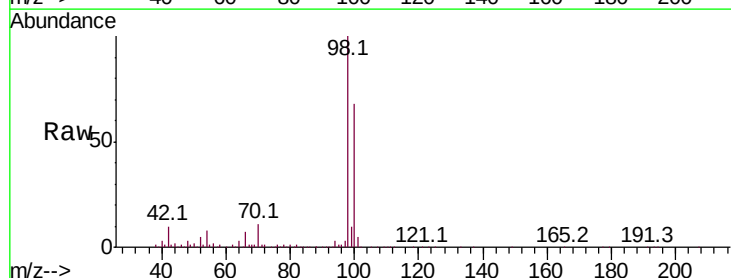
Acq: 03 Jun 2019 20:34

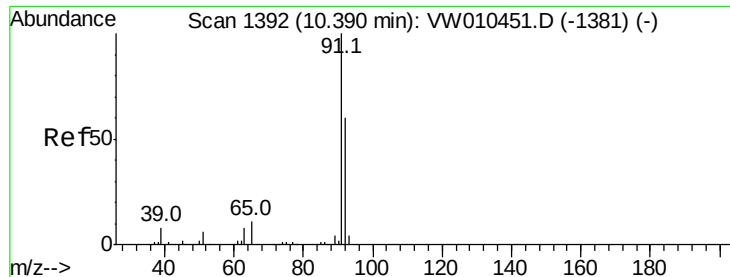
Tgt Ion: 98 Resp: 153192

Ion Ratio Lower Upper

98 100

100 68.0 53.7 80.5





#52

Toluene

Concen: 40.042 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW010671.D

Acq: 03 Jun 2019 20:34

Instrument :

MSVOA_W

ClientSampleId :

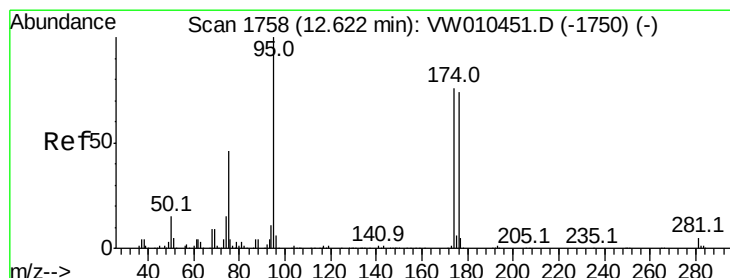
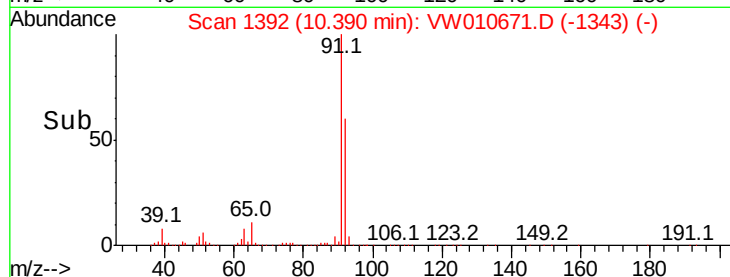
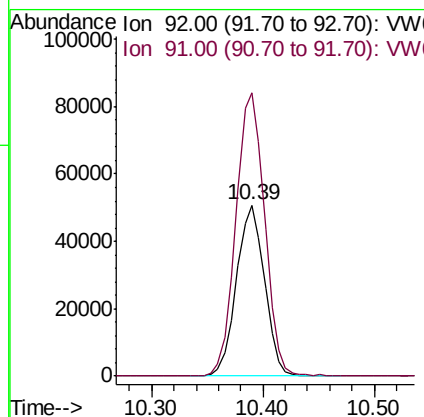
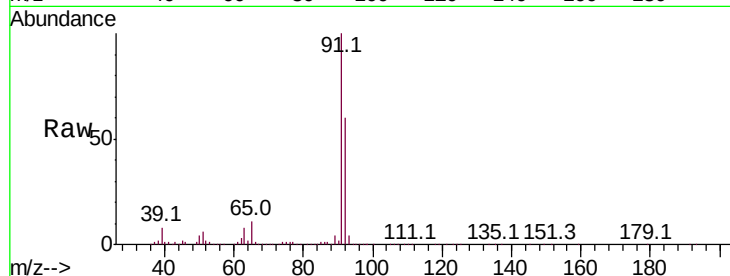
13873

Tot Ion: 92 Resp: 88719

Ion Ratio Lower Upper

92 100

91 170.1 135.4 203.0



#62

4-Bromofluorobenzene

Concen: 63.581 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW010671.D

Acq: 03 Jun 2019 20:34

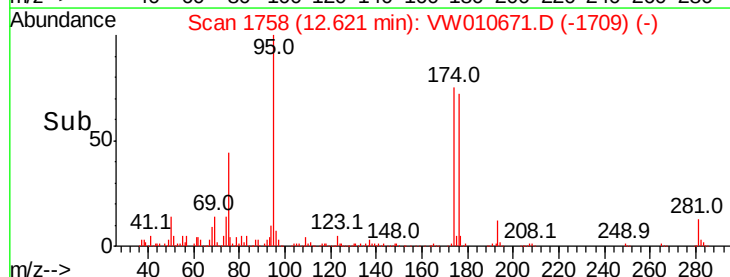
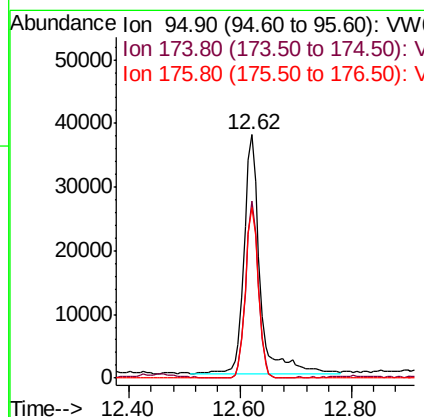
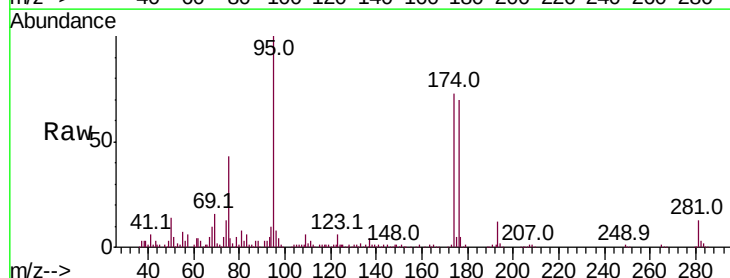
Tgt Ion: 95 Resp: 74804

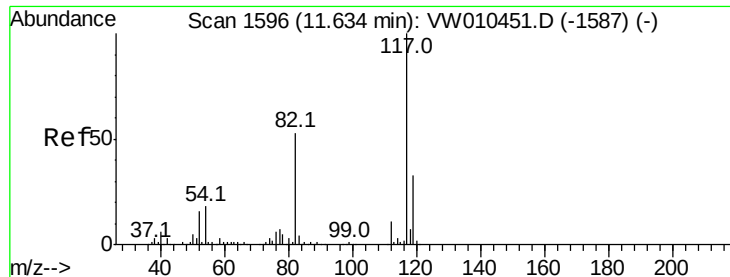
Ion Ratio Lower Upper

95 100

174 58.6 0.0 148.6

176 57.7 0.0 144.2

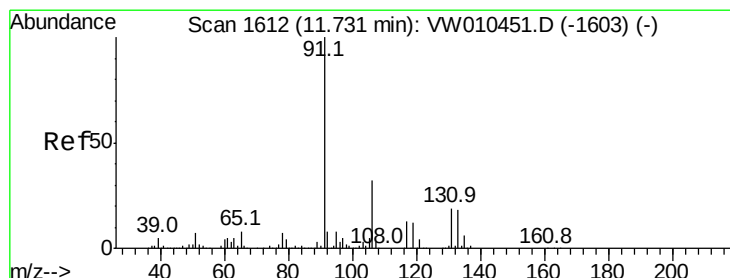
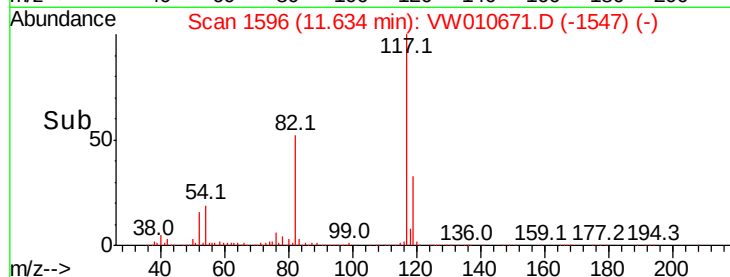
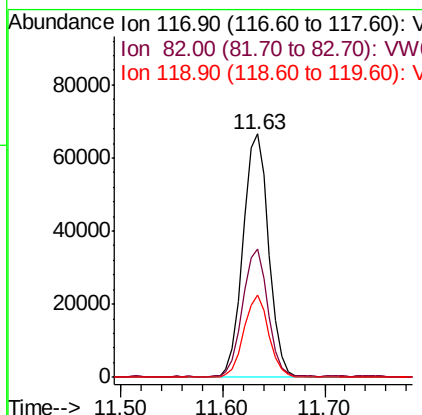
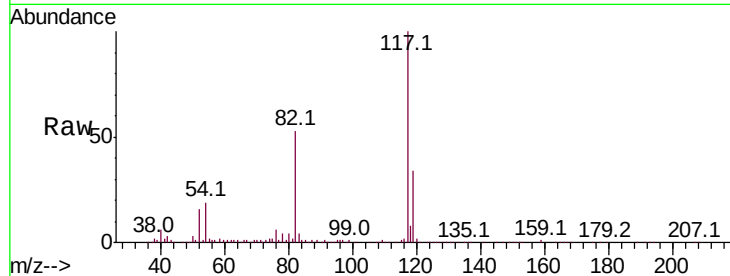




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010671.D
Acq: 03 Jun 2019 20:34

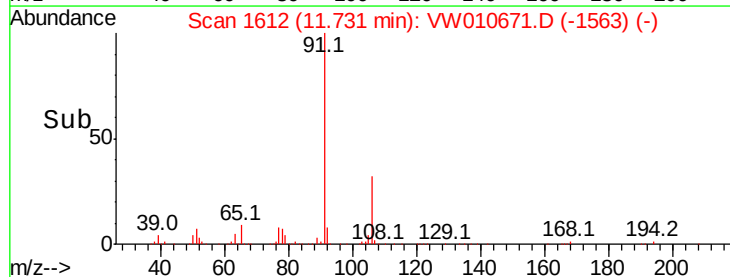
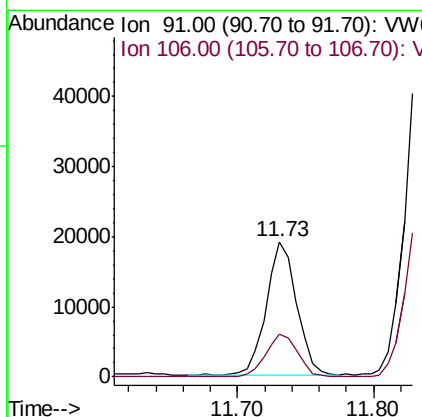
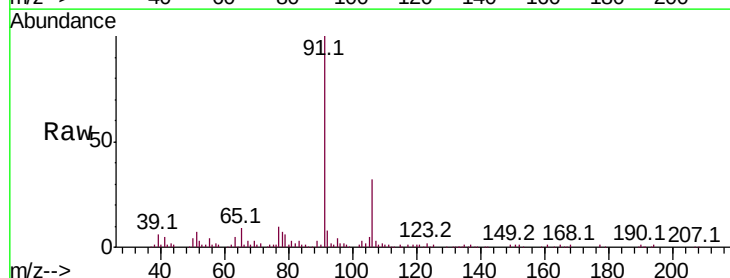
Instrument :
MSVOA_W
ClientSampled :
13873

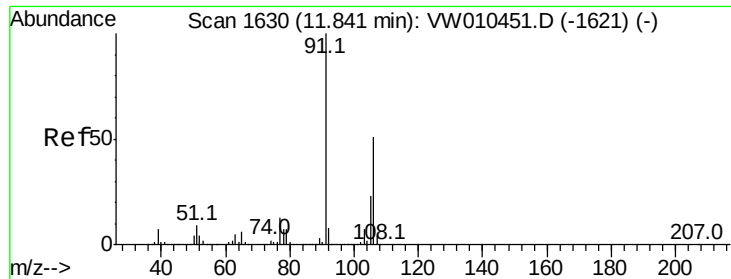
Tot Ion:117 Resp: 115863
Ion Ratio Lower Upper
117 100
82 52.1 42.8 64.2
119 33.3 26.3 39.5



#67
Ethyl Benzene
Concen: 6.872 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010671.D
Acq: 03 Jun 2019 20:34

Tgt Ion: 91 Resp: 29958
Ion Ratio Lower Upper
91 100
106 31.8 25.9 38.9

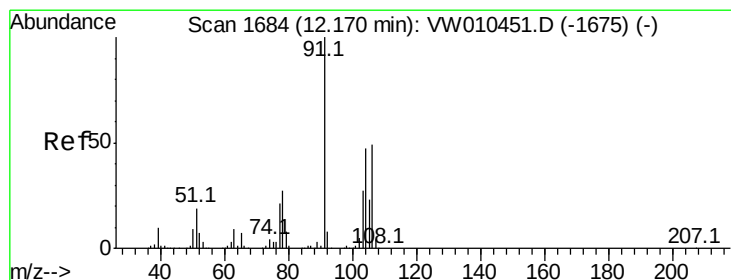
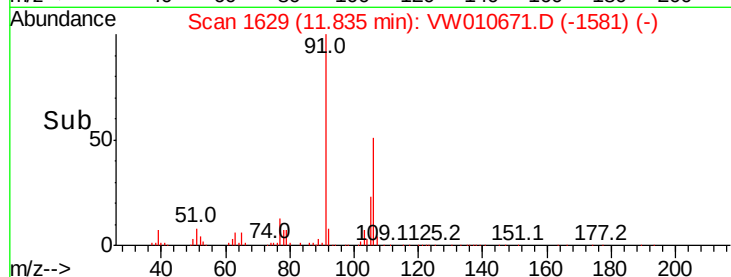
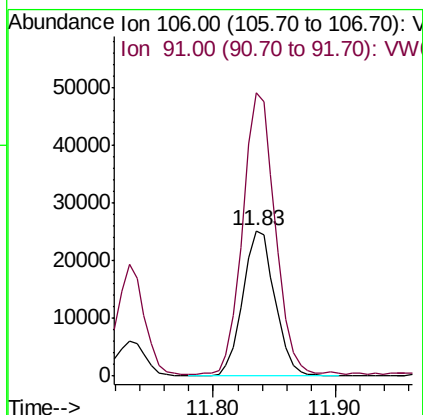
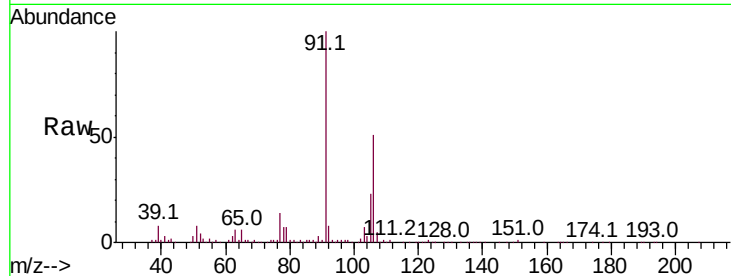




#68
m/p-Xylenes
Concen: 26.777 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW010671.D
Acq: 03 Jun 2019 20:34

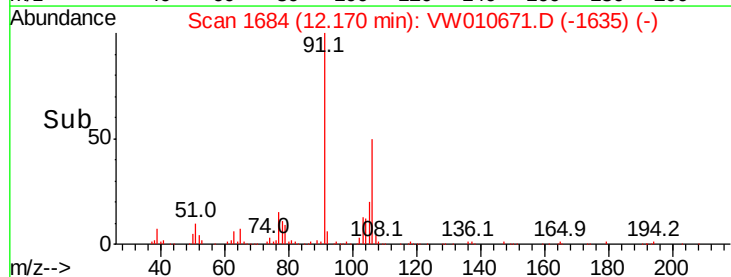
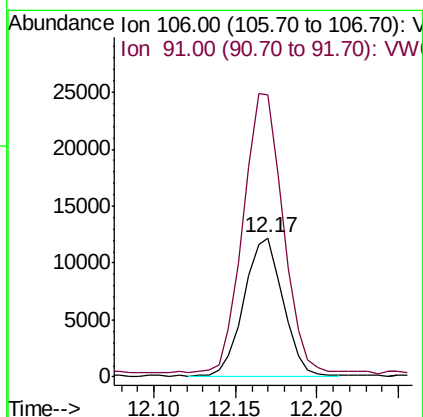
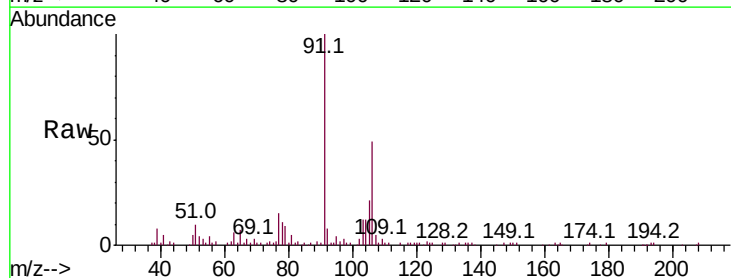
Instrument :
MSVOA_W
ClientSampled :
13873

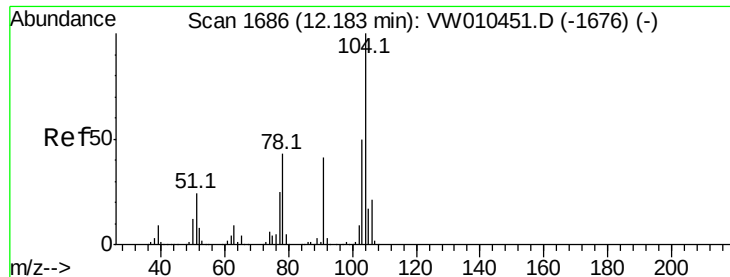
Tot Ion:106 Resp: 45788
Ion Ratio Lower Upper
106 100
91 196.6 156.0 234.0



#69
o-Xylene
Concen: 12.439 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW010671.D
Acq: 03 Jun 2019 20:34

Tgt Ion:106 Resp: 20153
Ion Ratio Lower Upper
106 100
91 207.2 103.2 309.4





#70

Stvrene

Concen: 3.309 ug/l

RT: 12.18 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VW010671.D

Acq: 03 Jun 2019 20:34

Instrument :

MSVOA_W

ClientSampleId :

13873

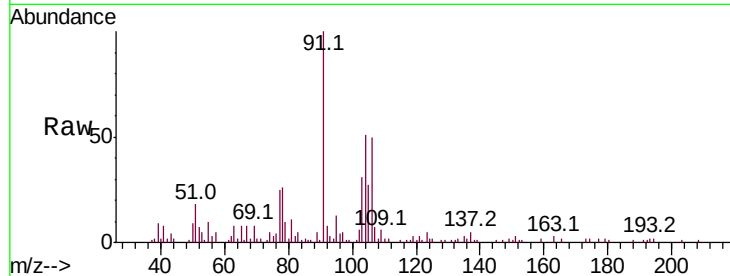
Tot Ion:104 Resp: 9095

Ion Ratio Lower Upper

104 100

78 71.6 39.0 58.4#

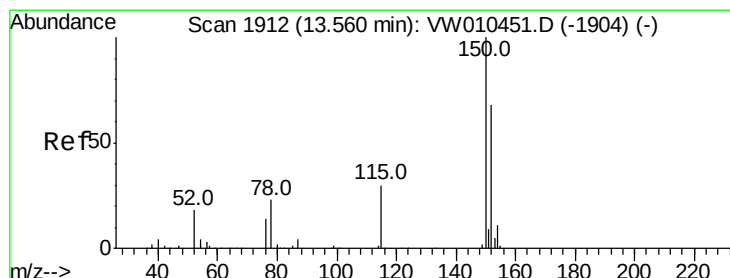
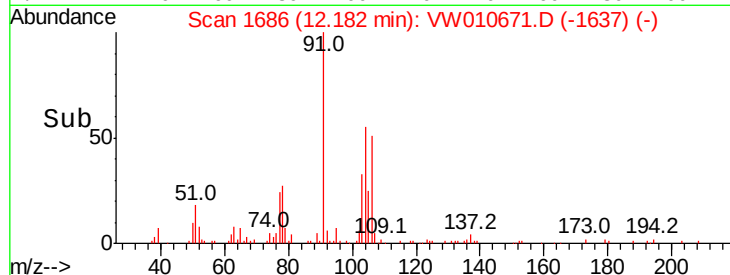
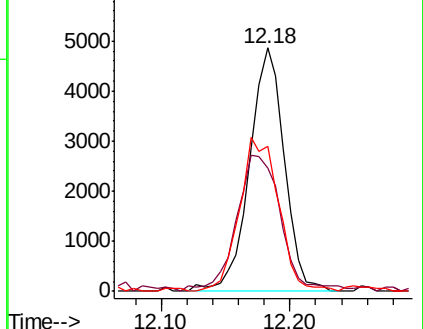
103 71.0 43.0 64.6#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW

Ion 103.00 (102.70 to 103.70): 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: VW010671.D

Acq: 03 Jun 2019 20:34

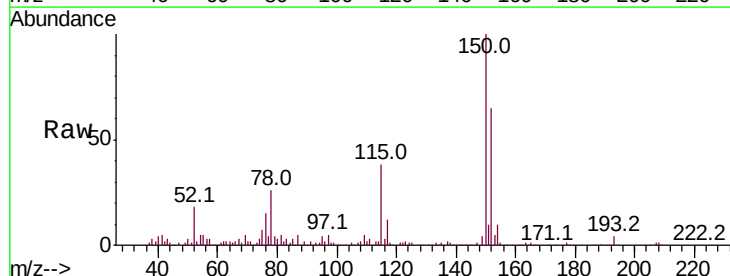
Tgt Ion:152 Resp: 55380

Ion Ratio Lower Upper

152 100

115 57.2 30.3 91.0

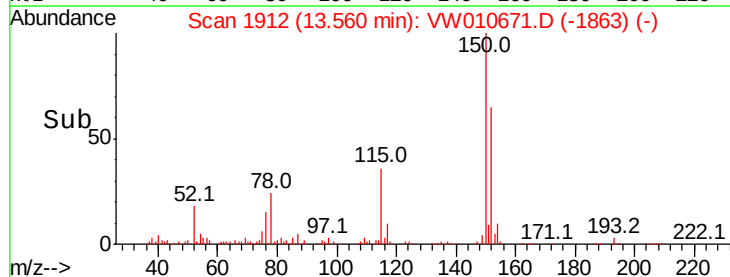
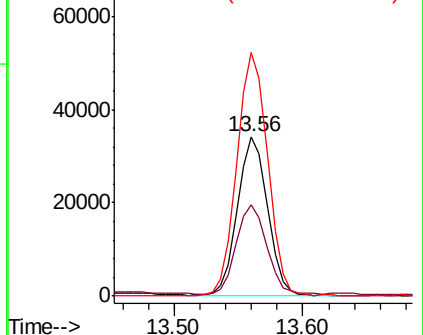
150 155.7 0.0 349.8

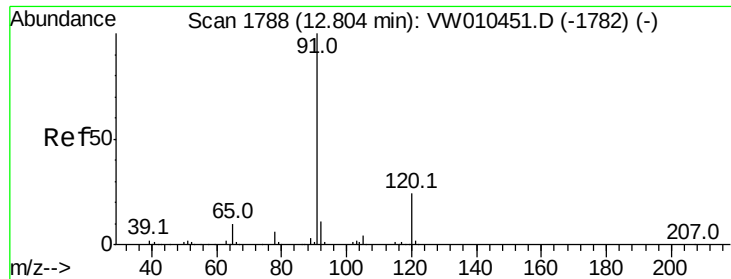


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#78

n-propylbenzene

Concen: 1.311 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.01 min

Lab File: VW010671.D

Acq: 03 Jun 2019 20:34

Instrument :

MSVOA_W

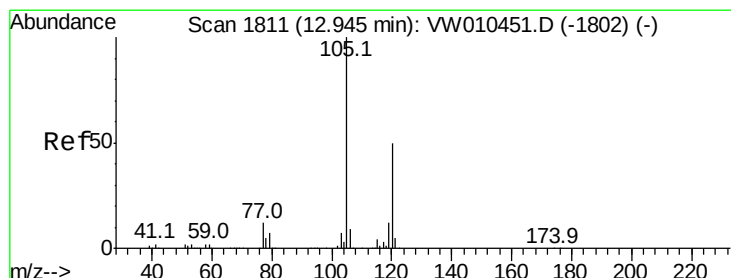
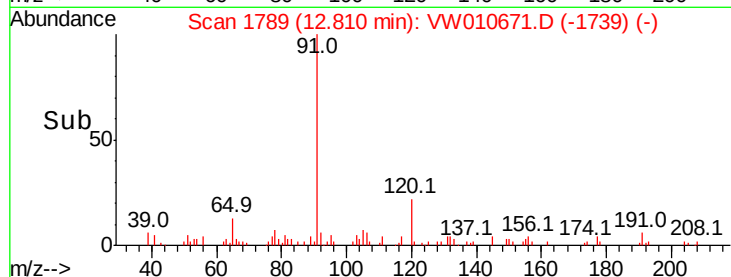
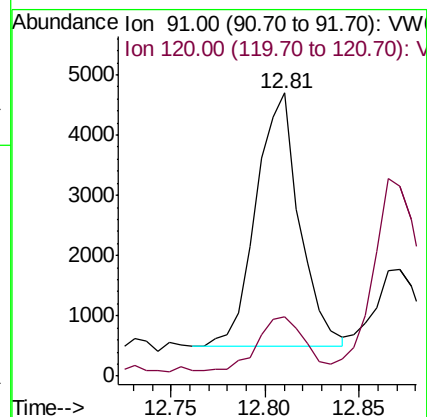
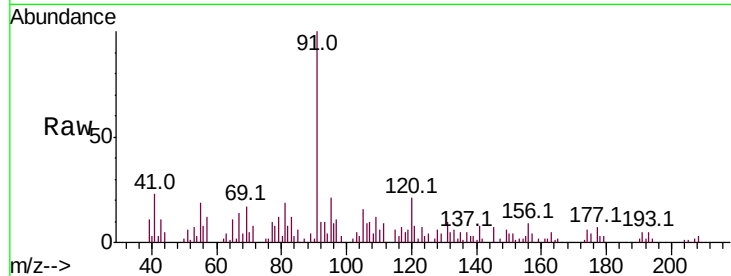
ClientSampled :
13873

Tot Ion: 91 Resp: 6714

Ion Ratio Lower Upper

91 100

120 22.0 12.3 36.8



#80

1,3,5-Trimethylbenzene

Concen: 3.303 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW010671.D

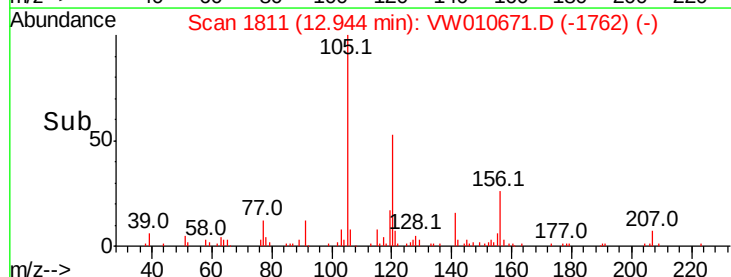
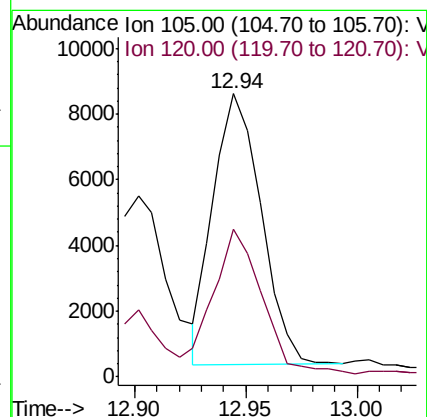
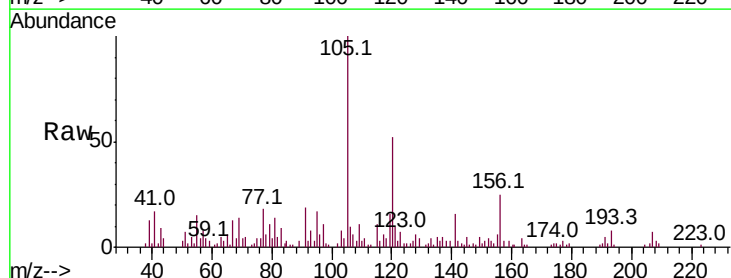
Acq: 03 Jun 2019 20:34

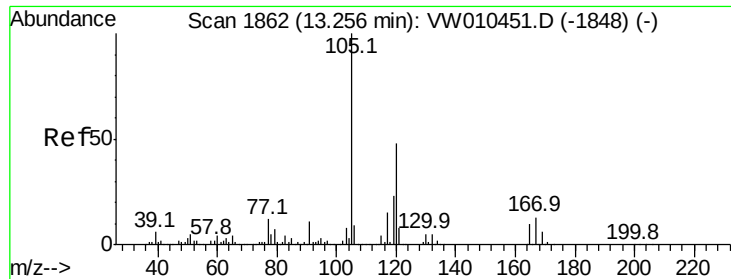
Tgt Ion: 105 Resp: 12292

Ion Ratio Lower Upper

105 100

120 54.9 25.2 75.6





#84

1,2,4-Trimethylbenzene

Concen: 7.223 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. -0.00 min

Lab File: VW010671.D

Acq: 03 Jun 2019 20:34

Instrument :

MSVOA_W

ClientSampleId :

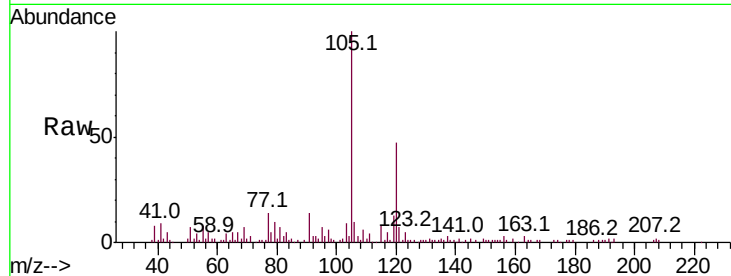
13873

Tot Ion:105 Resp: 26777

Ion Ratio Lower Upper

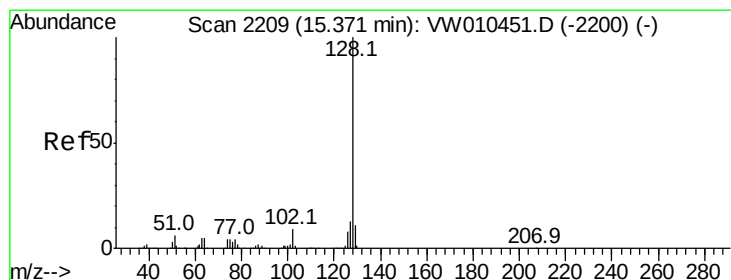
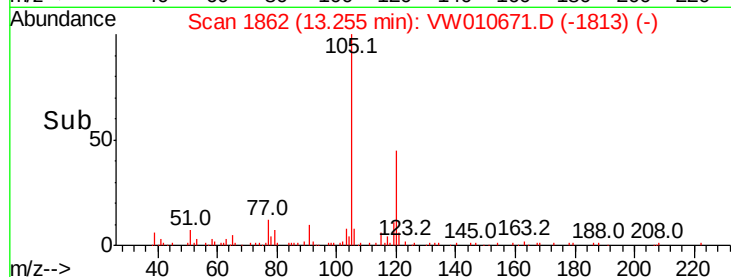
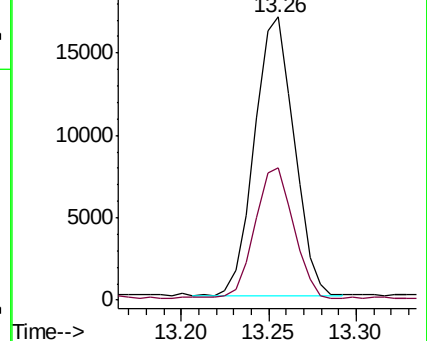
105 100

120 45.4 23.4 70.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#95

Naphthalene

Concen: 42.602 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW010671.D

Acq: 03 Jun 2019 20:34

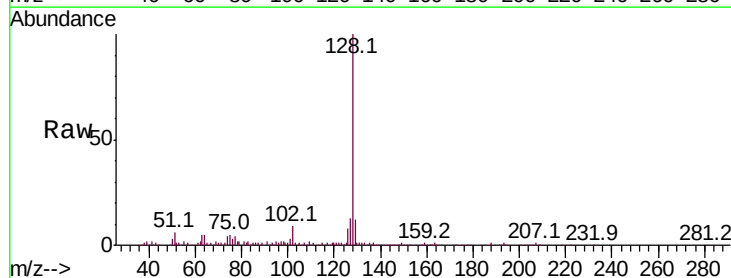
Tgt Ion:128 Resp: 106967

Ion Ratio Lower Upper

128 100

127 13.0 10.6 15.8

129 11.4 8.9 13.3



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

