

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW060319\
 Data File : VW010670.D
 Acq On : 03 Jun 2019 20:06
 Operator : SY/VA
 Sample : K3165-07
 Misc : 1.11G/5ML/MSVOA W/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 51419

Quant Time: Jun 04 08:31:55 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	133636	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	217186	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	159575	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	50824	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	63105	45.75	ug/l	0.00
Spiked Amount			Recovery	=	91.50%	
35) Dibromofluoromethane	7.88	113	63919	48.50	ug/l	0.00
Spiked Amount			Recovery	=	97.00%	
50) Toluene-d8	10.32	98	240349	47.74	ug/l	0.00
Spiked Amount			Recovery	=	95.48%	
62) 4-Bromofluorobenzene	12.62	95	71180	35.50	ug/l	0.00
Spiked Amount			Recovery	=	71.00%	

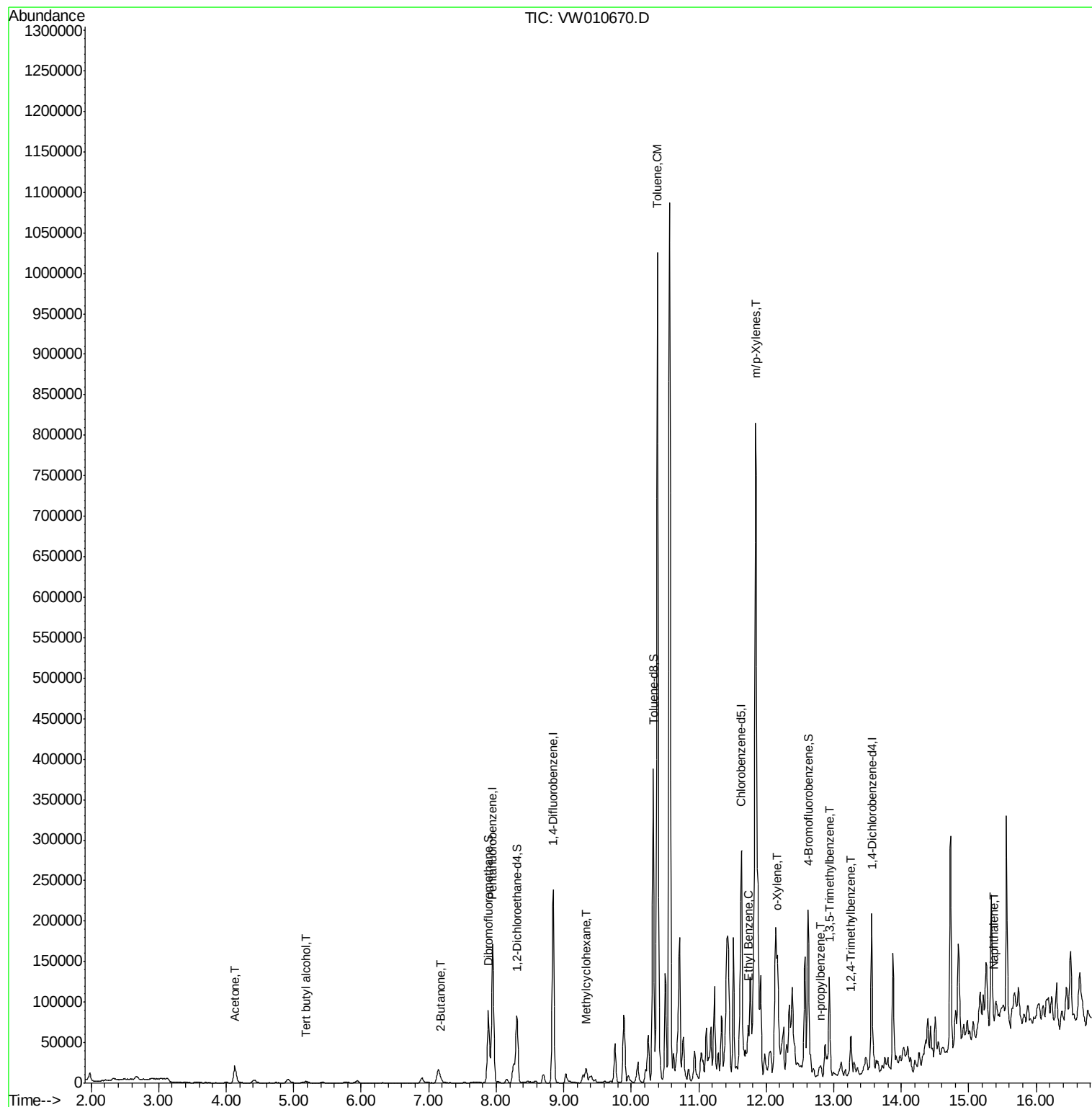
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.18	59	3314	26.710	ug/l #	82
16) Acetone	4.13	43	35695	126.778	ug/l	98
25) 2-Butanone	7.18	43	8470	21.021	ug/l	96
39) Methylcyclohexane	9.34	83	5031	1.856	ug/l	95
52) Toluene	10.39	92	463195	122.652	ug/l	99
67) Ethyl Benzene	11.73	91	29557	4.923	ug/l	99
68) m/p-Xylenes	11.83	106	62848	26.686	ug/l	100
69) o-Xylene	12.17	106	24828	11.127	ug/l	99
78) n-propylbenzene	12.80	91	7948	1.691	ug/l	96
80) 1,3,5-Trimethylbenzene	12.94	105	13642	3.994	ug/l	96
84) 1,2,4-Trimethylbenzene	13.26	105	30882	9.078	ug/l	98
95) Naphthalene	15.37	128	12515	5.431	ug/l #	81

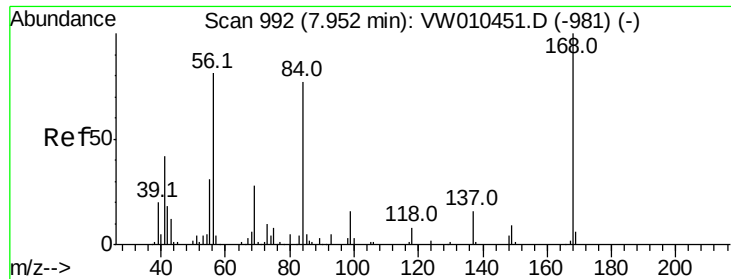
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW060319\
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW010670.D

Acq: 03 Jun 2019 20:06

Instrument :

MSVOA_W

ClientSampled :

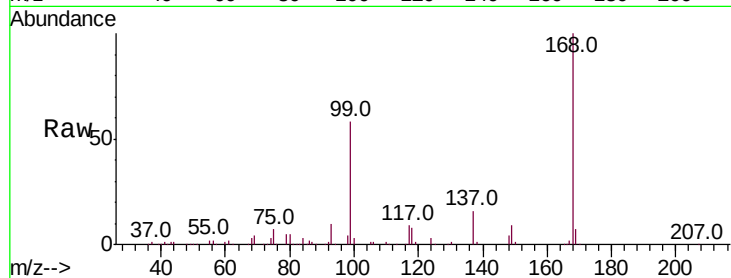
51419

Tot Ion:168 Resp: 133636

Ion Ratio Lower Upper

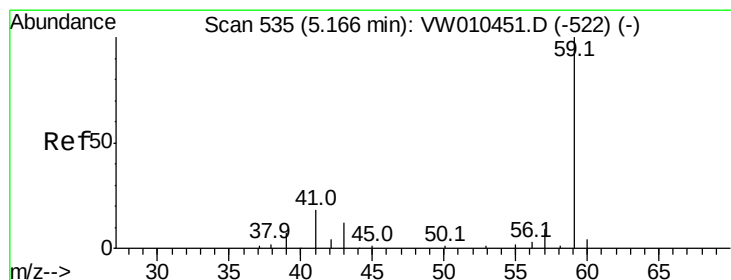
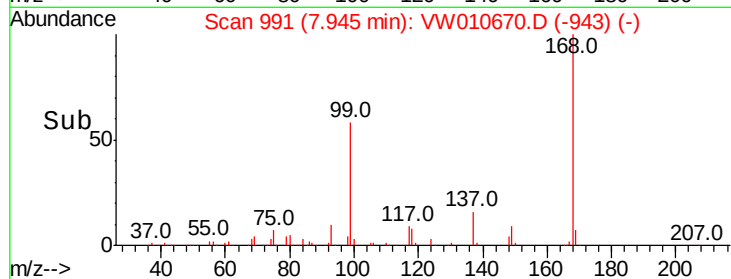
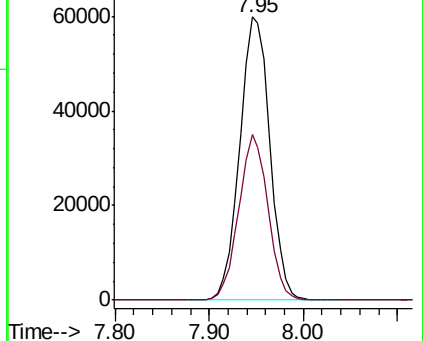
168 100

99 58.3 46.1 69.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 26.710 ug/l

RT: 5.18 min Scan# 537

Delta R.T. 0.01 min

Lab File: VW010670.D

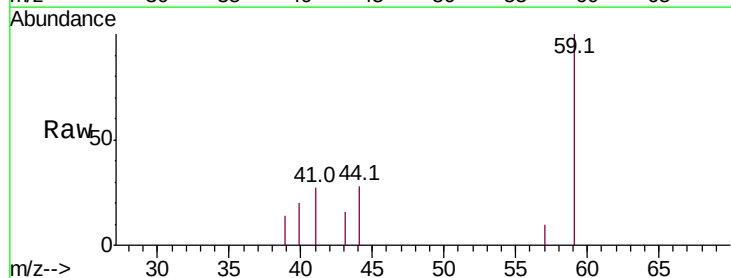
Acq: 03 Jun 2019 20:06

Tgt Ion: 59 Resp: 3314

Ion Ratio Lower Upper

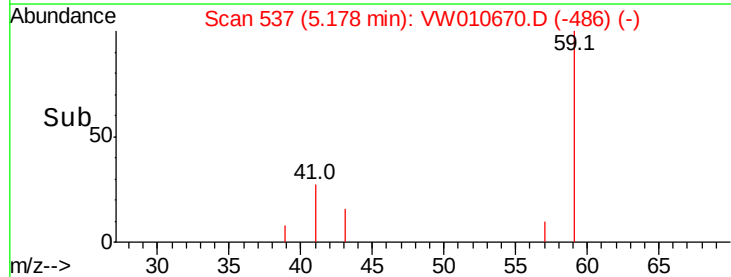
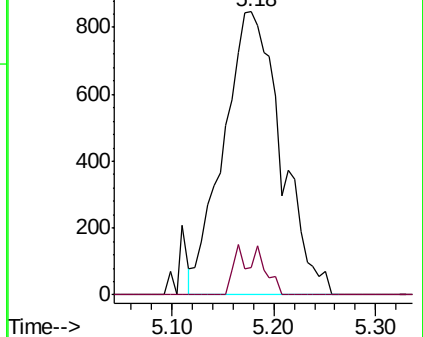
59 100

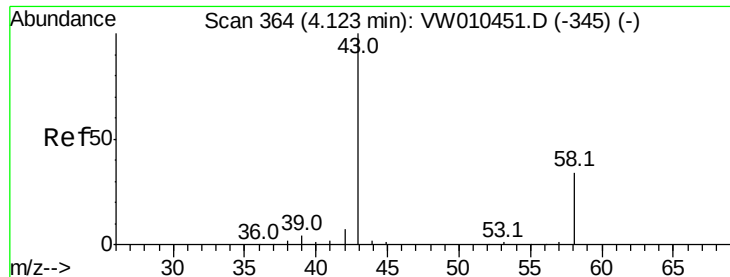
57 4.3 8.8 13.2#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

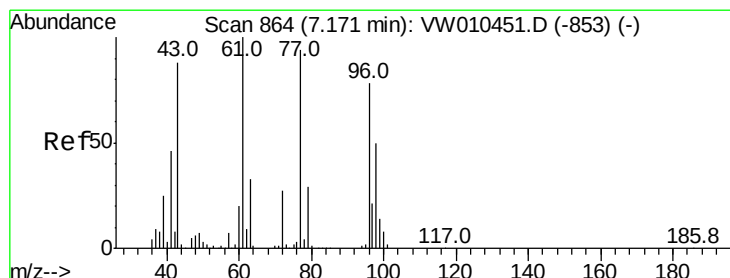
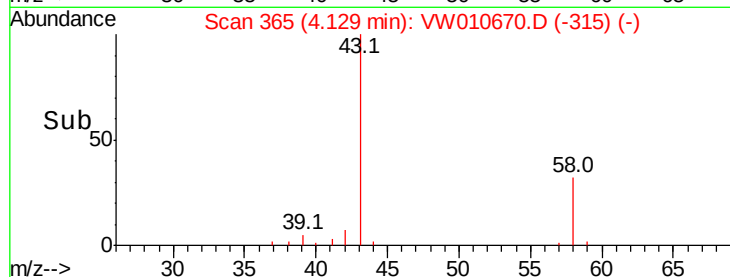
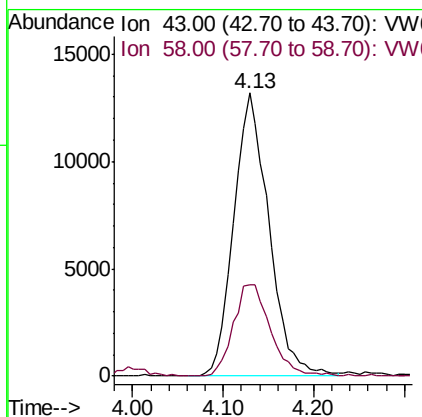
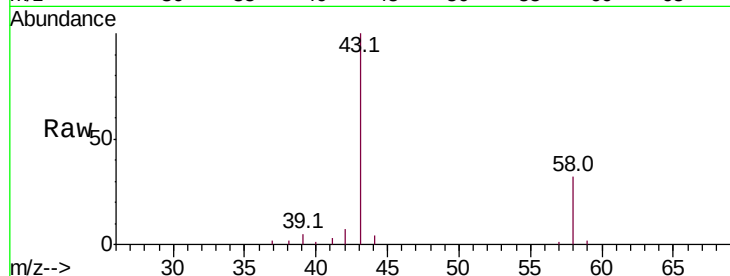




#16
Acetone
Concen: 126.778 ug/l
RT: 4.13 min Scan# 365
Delta R.T. 0.01 min
Lab File: VW010670.D
Acq: 03 Jun 2019 20:06

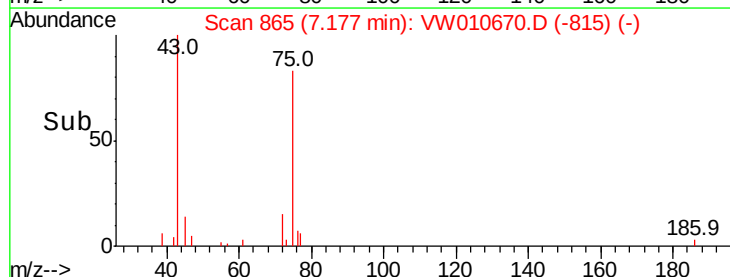
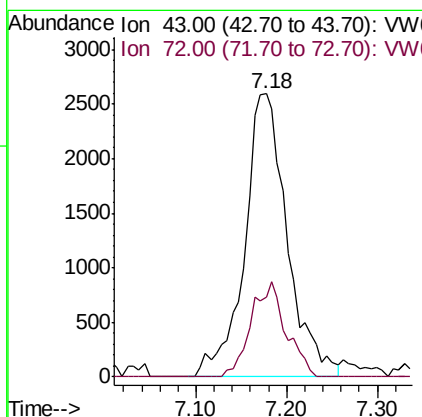
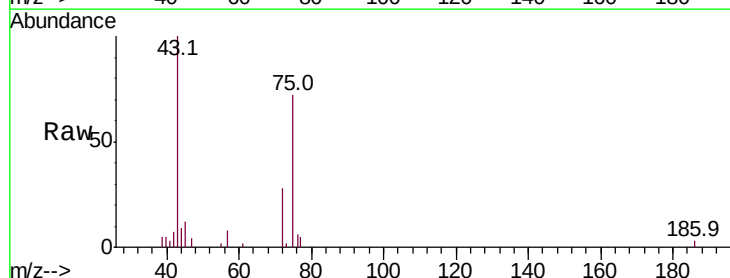
Instrument :
MSVOA_W
ClientSampled :
51419

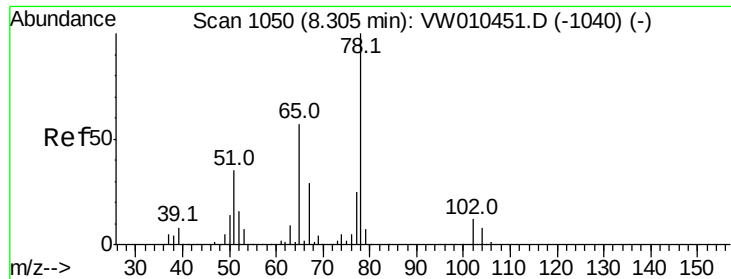
Tot Ion: 43 Resp: 35695
Ion Ratio Lower Upper
43 100
58 32.4 27.0 40.4



#25
2-Butanone
Concen: 21.021 ug/l
RT: 7.18 min Scan# 865
Delta R.T. 0.01 min
Lab File: VW010670.D
Acq: 03 Jun 2019 20:06

Tgt Ion: 43 Resp: 8470
Ion Ratio Lower Upper
43 100
72 28.0 24.1 36.1

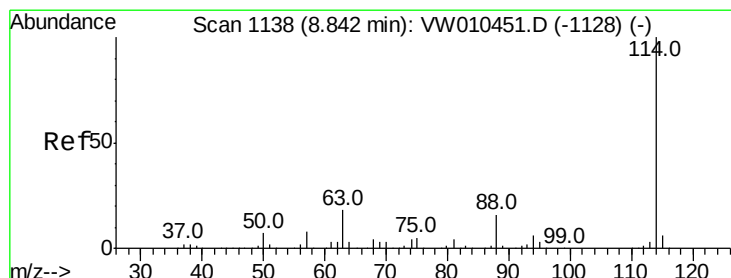
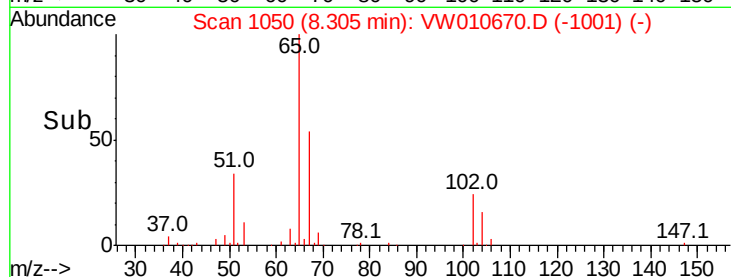
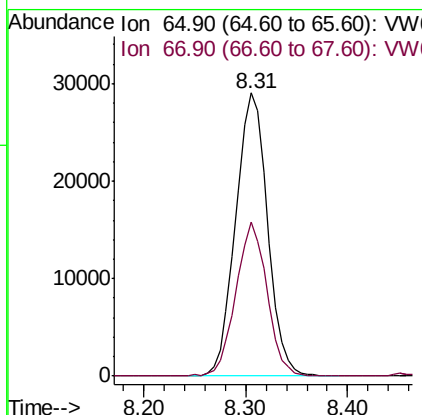
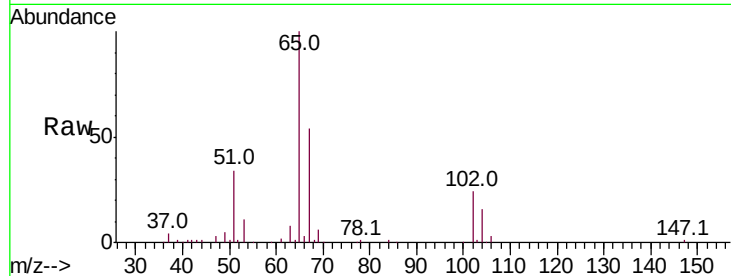




#33
 1,2-Dichloroethane-d4
 Concen: 45.750 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW010670.D
 Acq: 03 Jun 2019 20:06

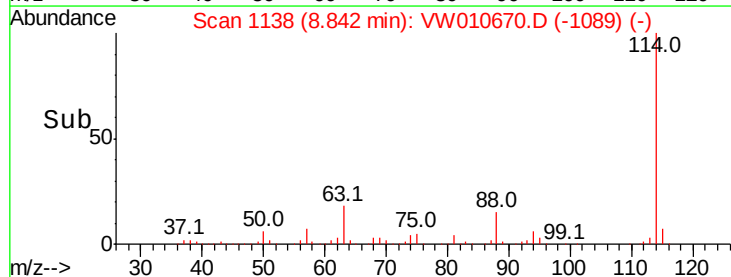
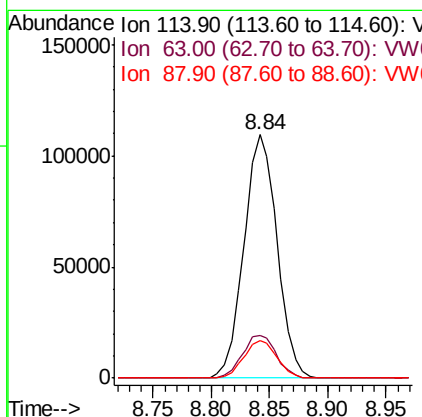
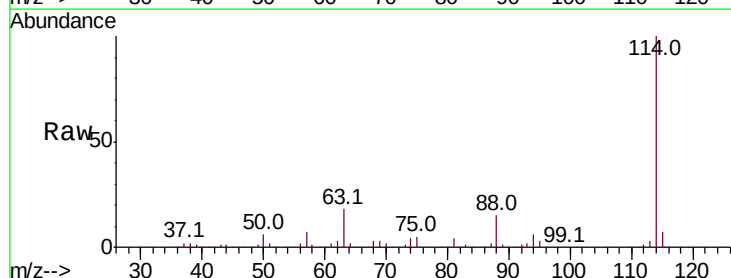
Instrument :
 MSVOA_W
 ClientSampleId :
 51419

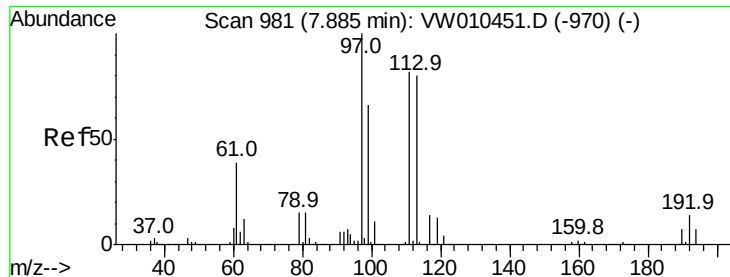
Tot Ion: 65 Resp: 63105
 Ion Ratio Lower Upper
 65 100
 67 53.2 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW010670.D
 Acq: 03 Jun 2019 20:06

Tgt Ion: 114 Resp: 217186
 Ion Ratio Lower Upper
 114 100
 63 17.6 0.0 36.0
 88 15.4 0.0 32.0





#35

Dibromofluoromethane

Concen: 48.503 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW010670.D

Acq: 03 Jun 2019 20:06

Instrument :

MSVOA_W

ClientSampleId :

51419

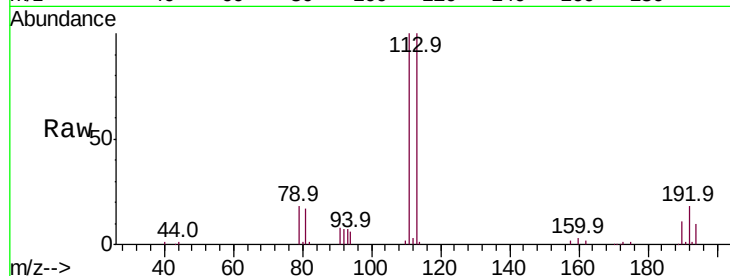
Tot Ion:113 Resp: 63919

Ion Ratio Lower Upper

113 100

111 102.4 82.2 123.4

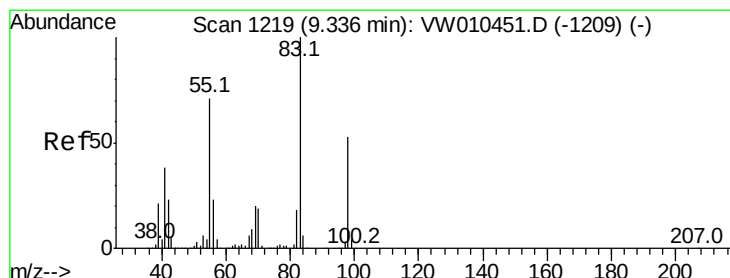
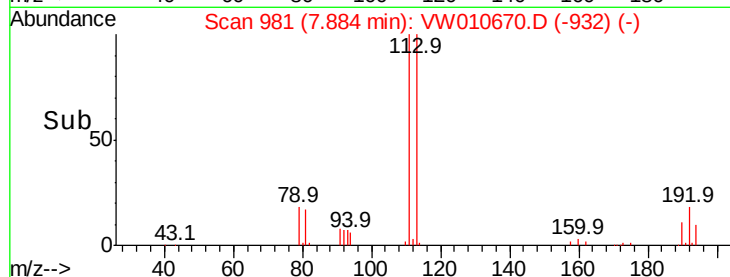
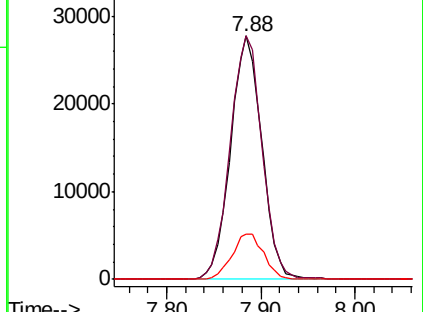
192 18.9 14.3 21.5



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



#39

Methylcyclohexane

Concen: 1.856 ug/l

RT: 9.34 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VW010670.D

Acq: 03 Jun 2019 20:06

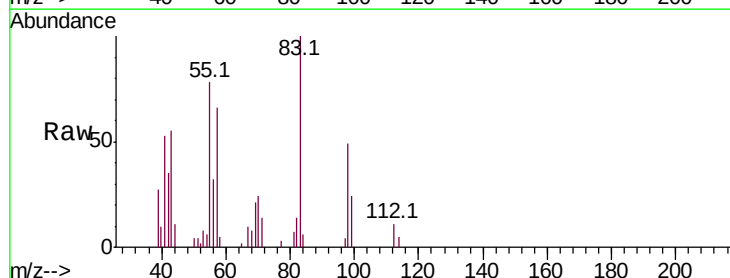
Tgt Ion: 83 Resp: 5031

Ion Ratio Lower Upper

83 100

55 75.2 57.0 85.6

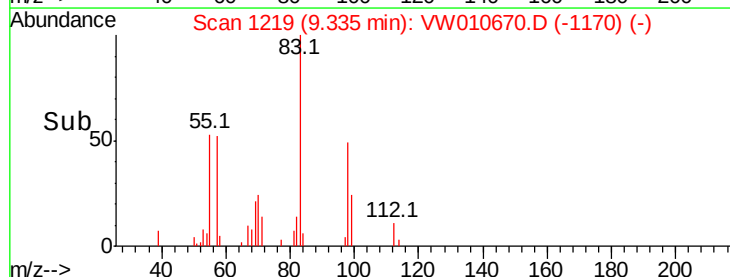
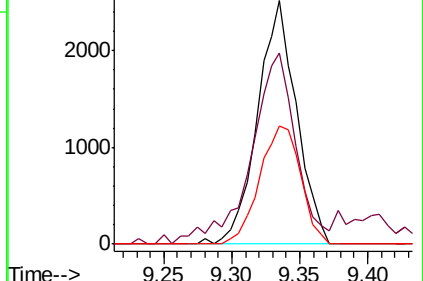
98 48.5 42.0 63.0

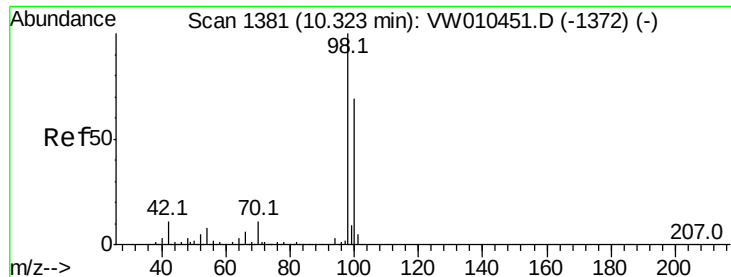


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#50

Toluene-d8

Concen: 47.741 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW010670.D

Acq: 03 Jun 2019 20:06

Instrument :

MSVOA_W

ClientSampleId :

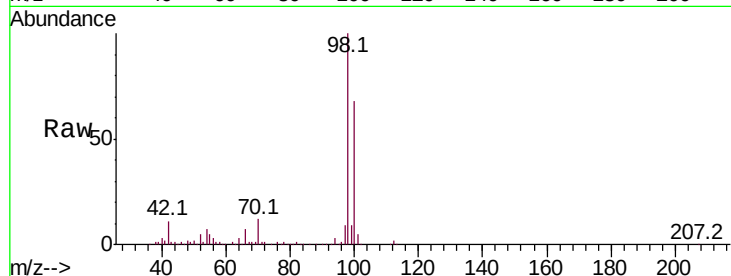
51419

Tot Ion: 98 Resp: 240349

Ion Ratio Lower Upper

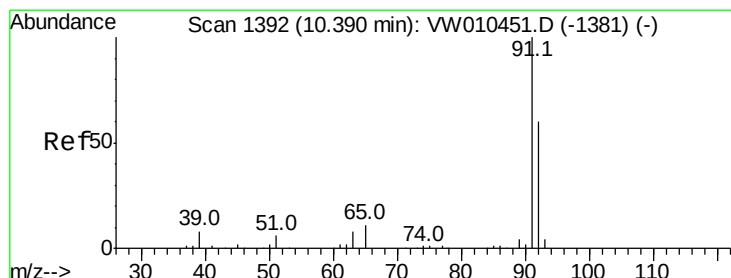
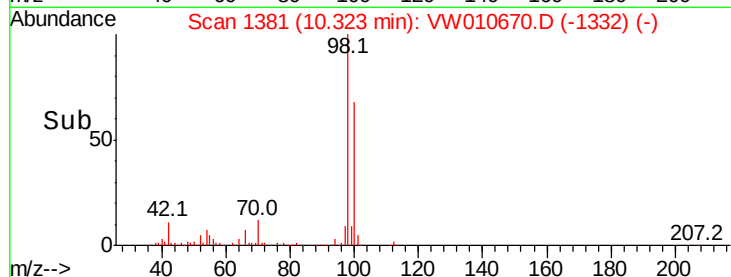
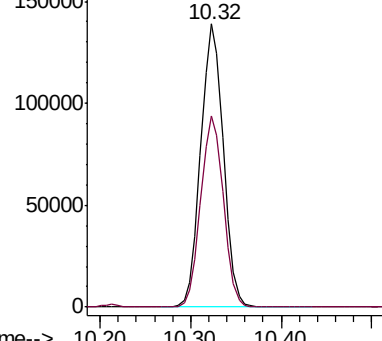
98 100

100 67.5 53.7 80.5



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#52

Toluene

Concen: 122.652 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW010670.D

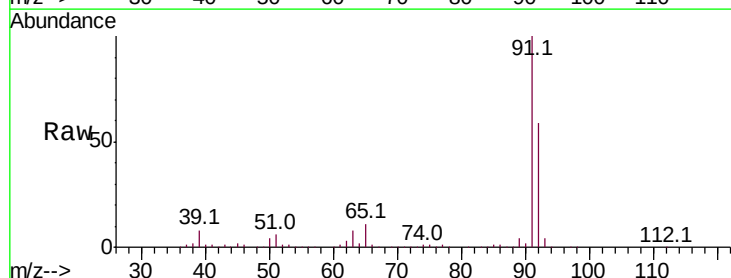
Acq: 03 Jun 2019 20:06

Tgt Ion: 92 Resp: 463195

Ion Ratio Lower Upper

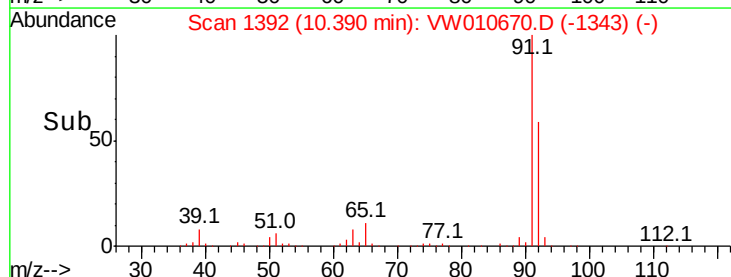
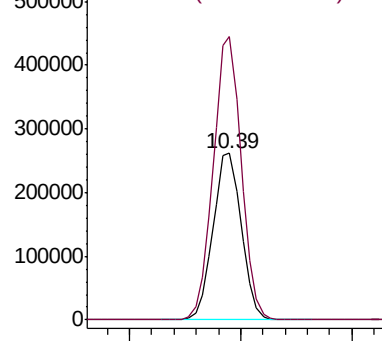
92 100

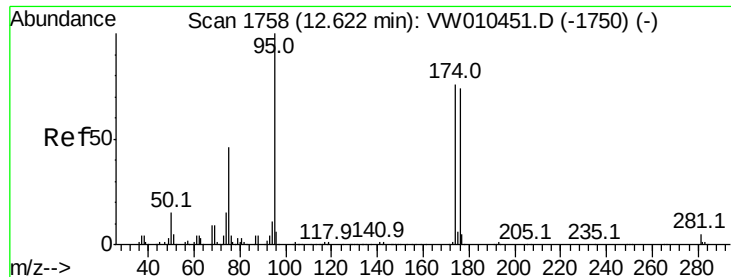
91 167.8 135.4 203.0



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





#62

4-Bromofluorobenzene

Concen: 35.496 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW010670.D

Acq: 03 Jun 2019 20:06

Instrument :

MSVOA_W

ClientSampleId :

51419

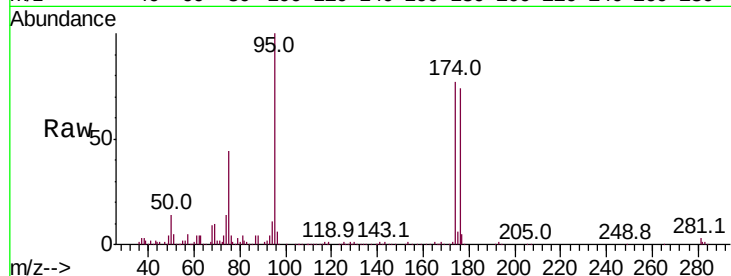
Tot Ion: 95 Resp: 71180

Ion Ratio Lower Upper

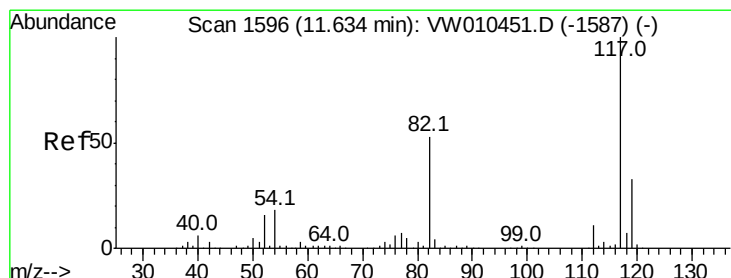
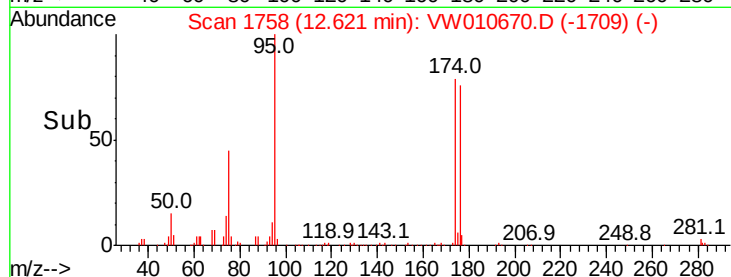
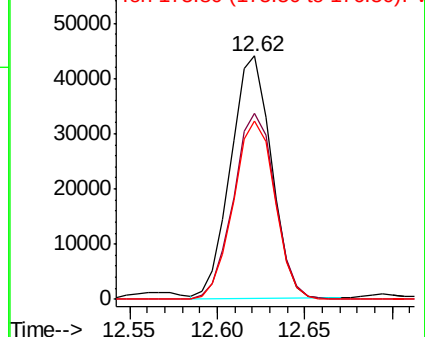
95 100

174 78.5 0.0 148.6

176 75.3 0.0 144.2



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: VW010670.D

Acq: 03 Jun 2019 20:06

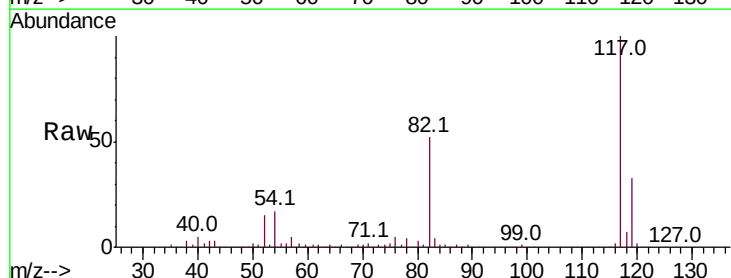
Tgt Ion: 117 Resp: 159575

Ion Ratio Lower Upper

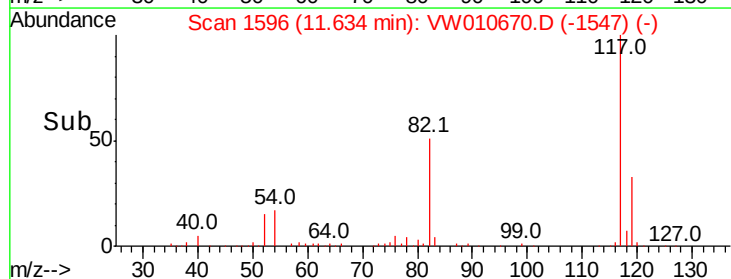
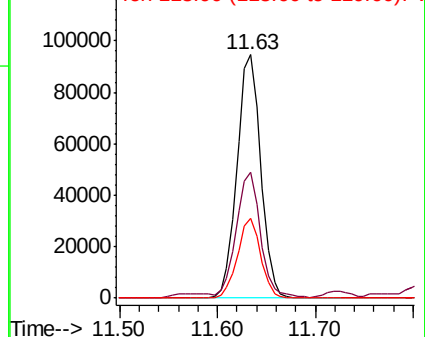
117 100

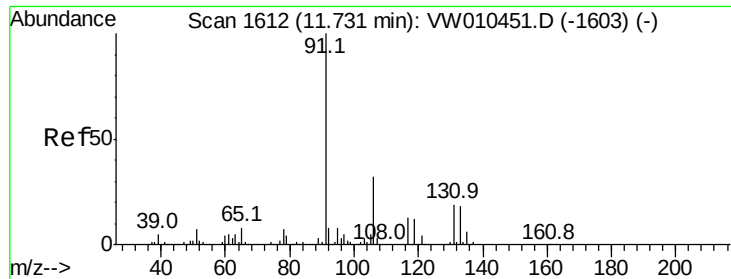
82 50.0 42.8 64.2

119 32.6 26.3 39.5



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





#67

Ethyl Benzene

Concen: 4.923 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW010670.D

Acq: 03 Jun 2019 20:06

Instrument :

MSVOA_W

ClientSampled :

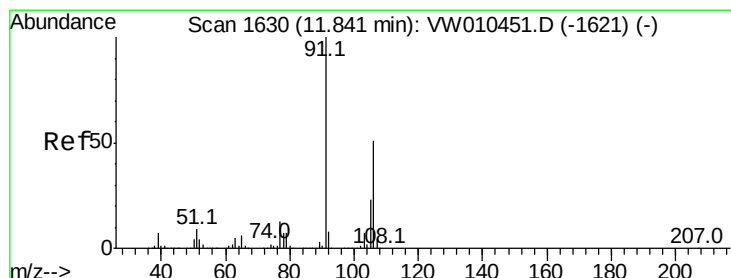
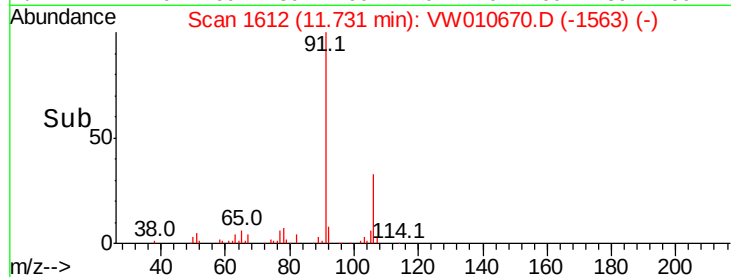
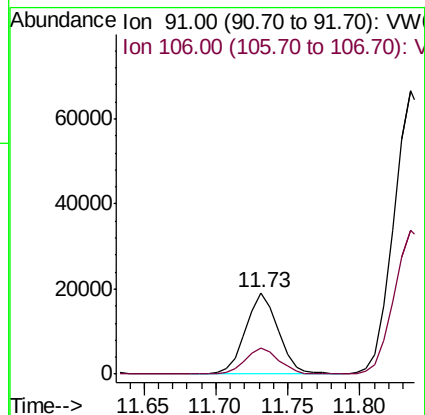
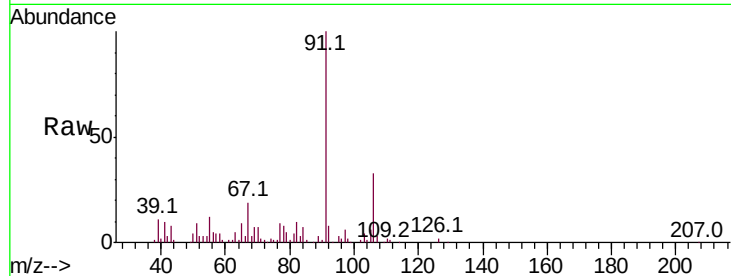
51419

Tot Ion: 91 Resp: 29557

Ion Ratio Lower Upper

91 100

106 33.0 25.9 38.9



#68

m/p-Xylenes

Concen: 26.686 ug/l

RT: 11.83 min Scan# 1629

Delta R.T. -0.01 min

Lab File: VW010670.D

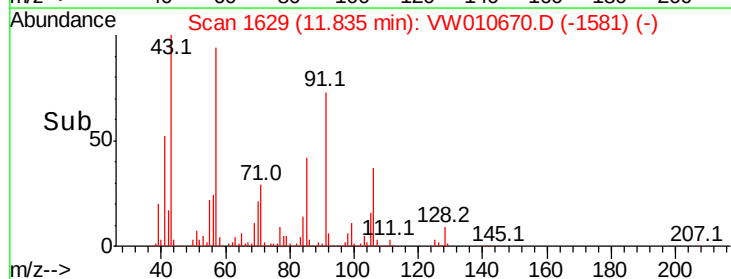
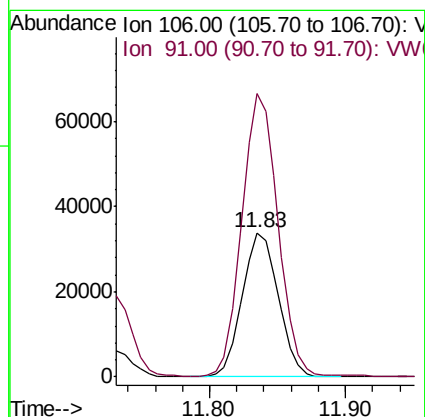
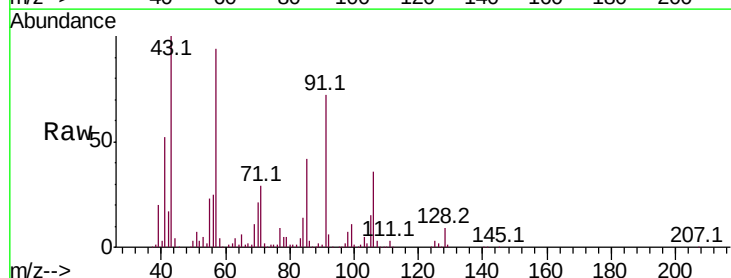
Acq: 03 Jun 2019 20:06

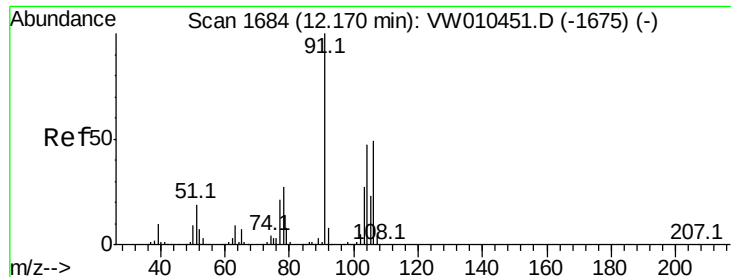
Tgt Ion: 106 Resp: 62848

Ion Ratio Lower Upper

106 100

91 195.3 156.0 234.0

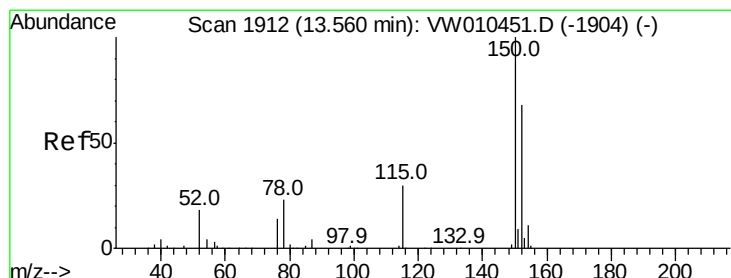
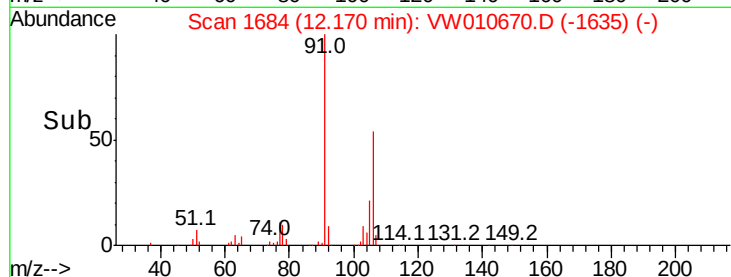
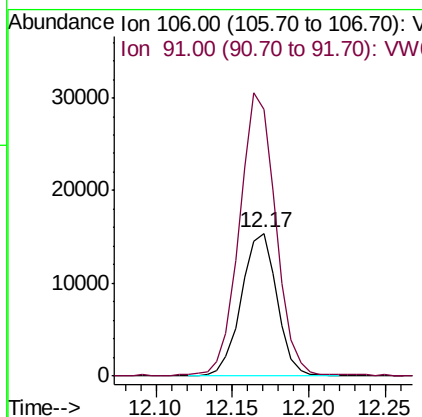
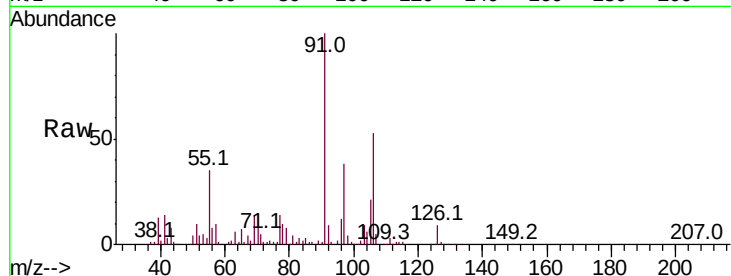




#69
o-Xylene
Concen: 11.127 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW010670.D
Acq: 03 Jun 2019 20:06

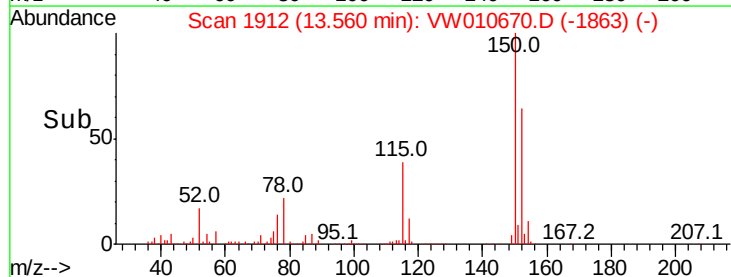
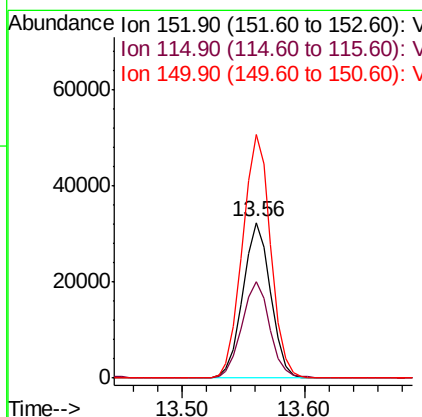
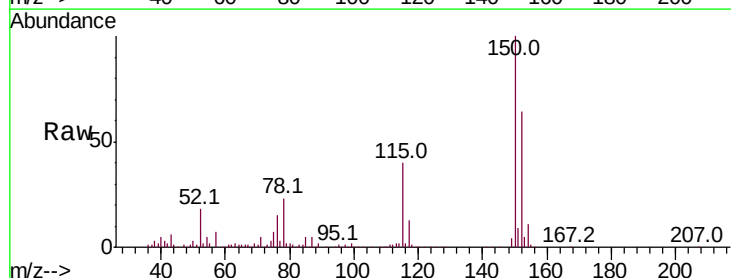
Instrument :
MSVOA_W
ClientSampleId :
51419

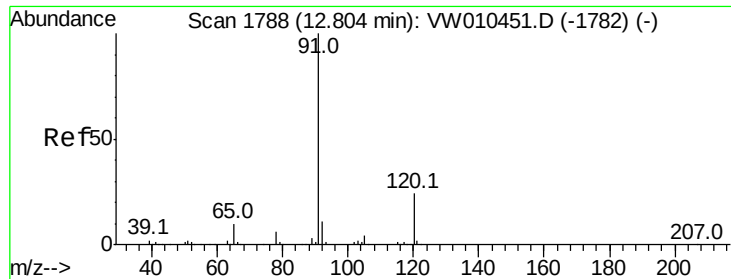
Tot Ion:106 Resp: 24828
Ion Ratio Lower Upper
106 100
91 205.4 103.2 309.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW010670.D
Acq: 03 Jun 2019 20:06

Tgt Ion:152 Resp: 50824
Ion Ratio Lower Upper
152 100
115 62.1 30.3 91.0
150 158.7 0.0 349.8





#78

n-propylbenzene

Concen: 1.691 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW010670.D

Acq: 03 Jun 2019 20:06

Instrument :

MSVOA_W

ClientSampled :

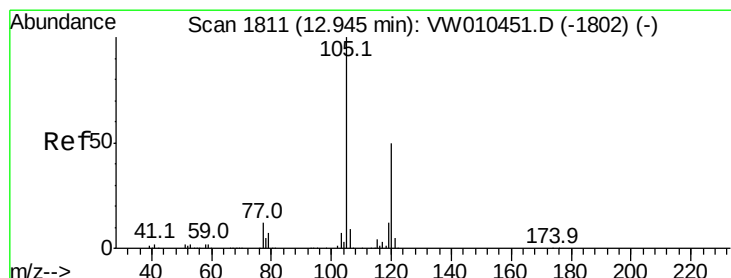
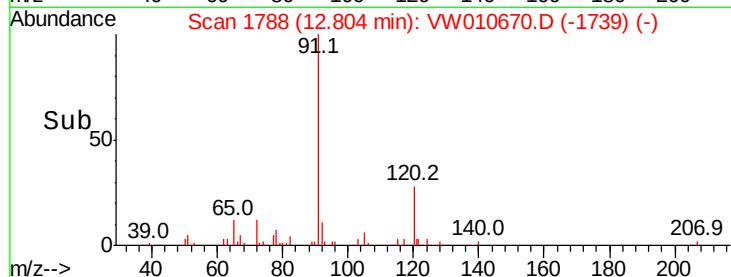
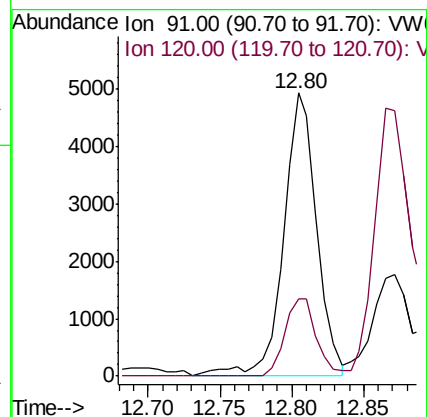
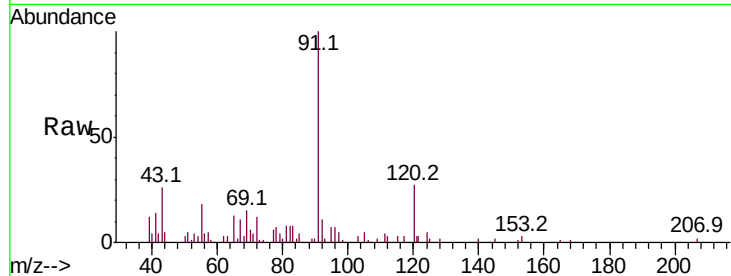
51419

Tot Ion: 91 Resp: 7948

Ion Ratio Lower Upper

91 100

120 26.5 12.3 36.8



#80

1,3,5-Trimethylbenzene

Concen: 3.994 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW010670.D

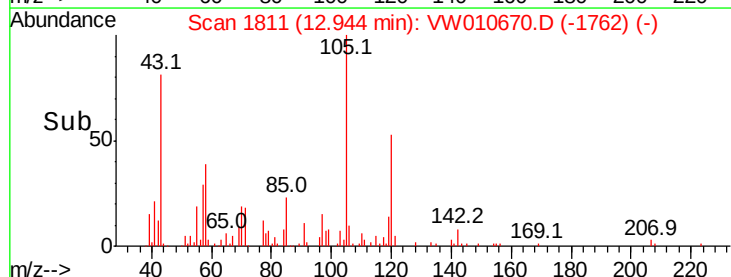
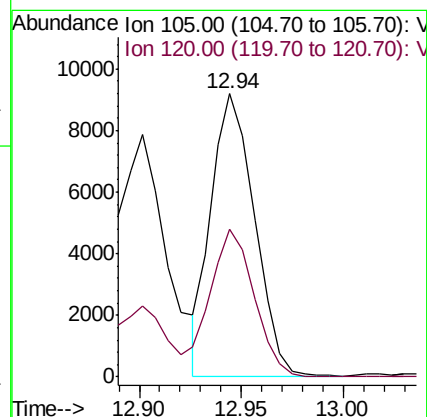
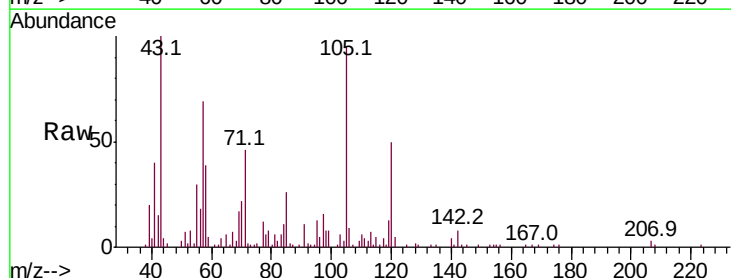
Acq: 03 Jun 2019 20:06

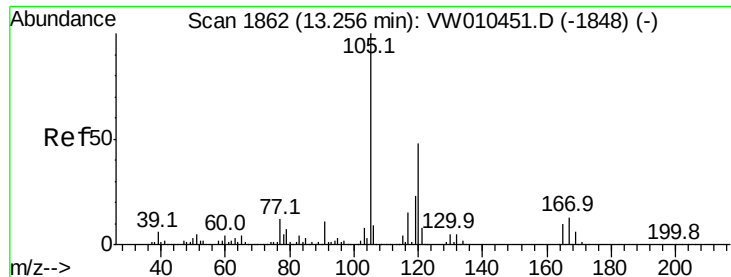
Tgt Ion: 105 Resp: 13642

Ion Ratio Lower Upper

105 100

120 53.4 25.2 75.6





#84

1,2,4-Trimethylbenzene

Concen: 9.078 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. -0.00 min

Lab File: VW010670.D

Acq: 03 Jun 2019 20:06

Instrument :

MSVOA_W

ClientSampleId :

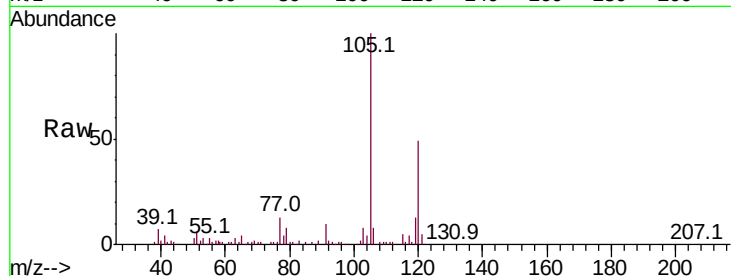
51419

Tot Ion:105 Resp: 30882

Ion Ratio Lower Upper

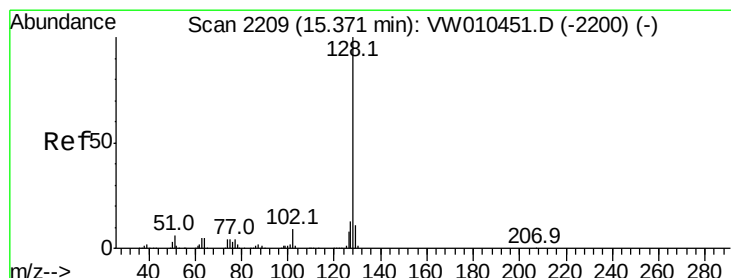
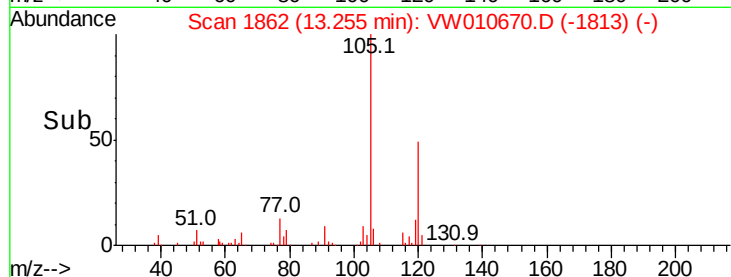
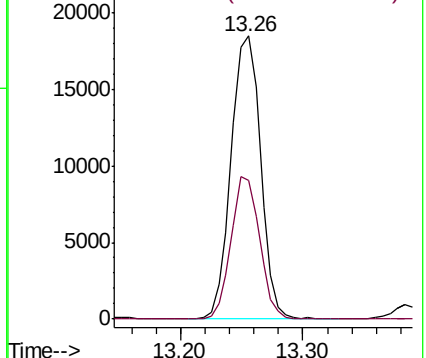
105 100

120 48.1 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: 5.431 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW010670.D

Acq: 03 Jun 2019 20:06

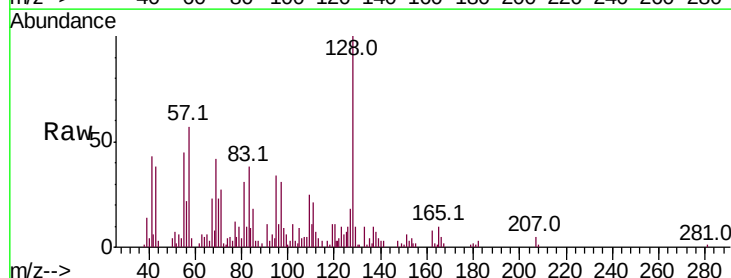
Tgt Ion:128 Resp: 12515

Ion Ratio Lower Upper

128 100

127 0.0 10.6 15.8#

129 10.5 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

