

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
 Data File : VW013201.D
 Acq On : 21 Sep 2019 00:03
 Operator : SY/VA
 Sample : K4918-08
 Misc : 2.92G/5ML/MSVOA W/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-9

Quant Time: Sep 21 05:46:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	281132	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	412103	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	285580	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	79035	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	117342	51.14	ug/l	0.00
Spiked Amount			Recovery	=	102.28%	
35) Dibromofluoromethane	7.88	113	119217	52.60	ug/l	0.00
Spiked Amount			Recovery	=	105.20%	
50) Toluene-d8	10.32	98	439253	46.31	ug/l	0.00
Spiked Amount			Recovery	=	92.62%	
62) 4-Bromofluorobenzene	12.62	95	101569	31.35	ug/l	0.00
Spiked Amount			Recovery	=	62.70%	

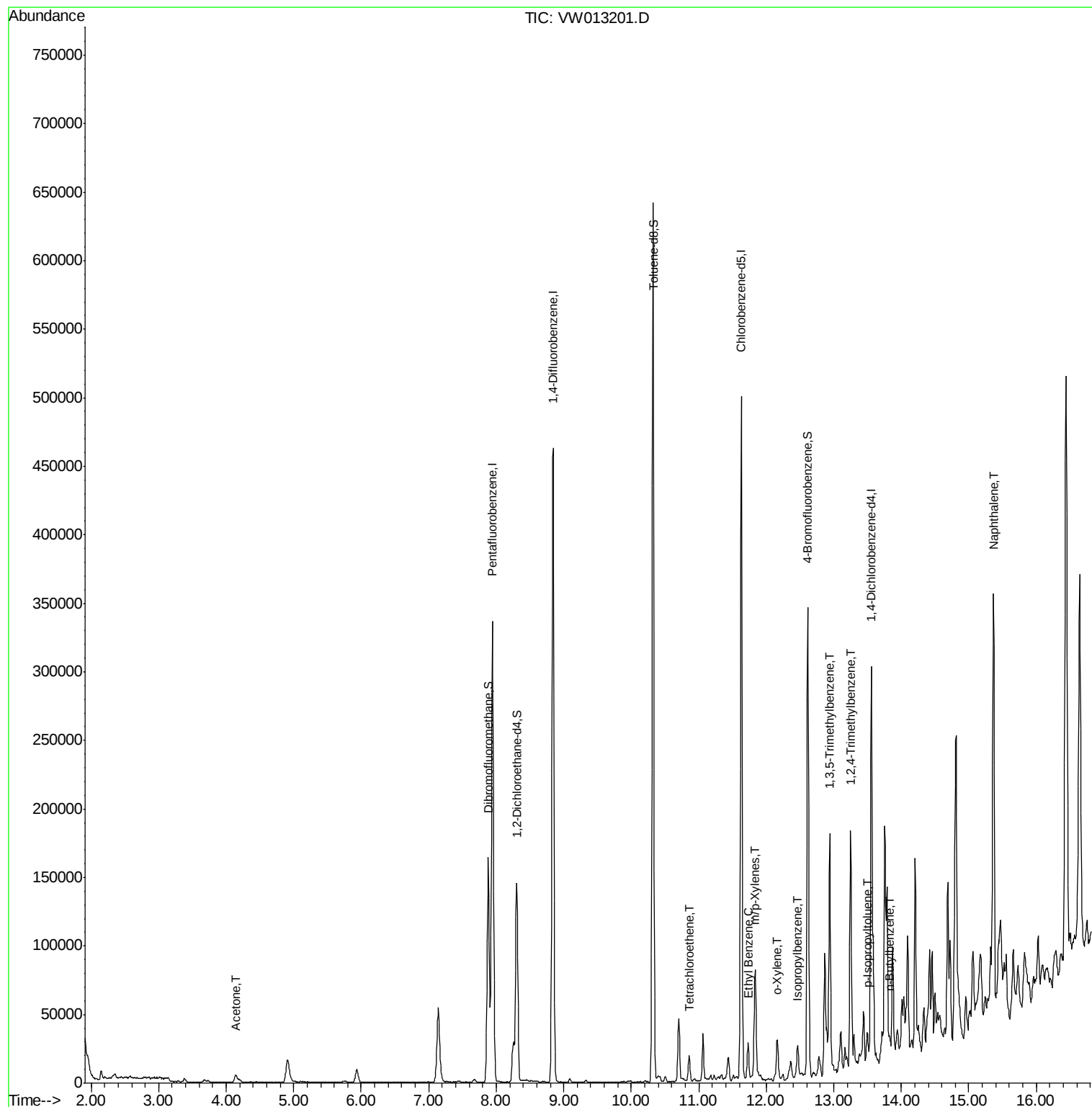
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.14	43	10906	21.077	ug/l #	84
64) Tetrachloroethene	10.86	164	4242	1.958	ug/l	92
67) Ethyl Benzene	11.73	91	17228	1.594	ug/l	97
68) m/p-Xylenes	11.84	106	22093	5.366	ug/l	96
69) o-Xylene	12.16	106	8013	2.093	ug/l	100
73) Isopropylbenzene	12.46	105	10348	1.772	ug/l	96
80) 1,3,5-Trimethylbenzene	12.94	105	83561	17.026	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	97817	20.029	ug/l	97
86) p-Isopropyltoluene	13.50	119	10920	1.982	ug/l	99
89) n-Butylbenzene	13.82	91	5625	1.118	ug/l #	69
95) Naphthalene	15.36	128	280453	103.882	ug/l	99

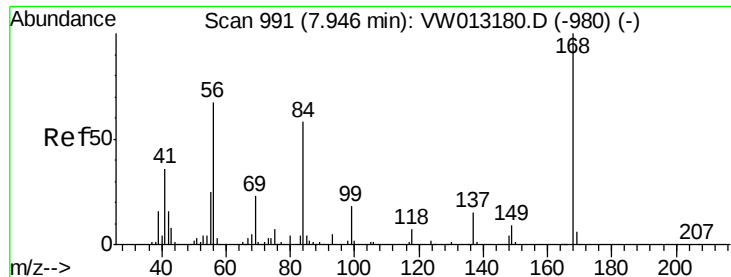
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW092019\
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Quant Title : SW846 8260
QLast Update : Fri Sep 20 15:58:08 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW013201.D

Acq: 21 Sep 2019 00:03

Instrument :

MSVOA_W

ClientSampleId :

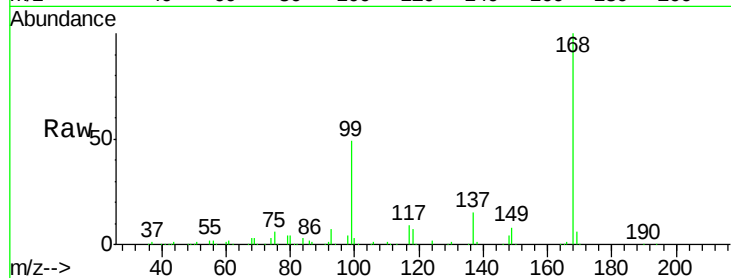
SB-9

Tot Ion:168 Resp: 281132

Ion Ratio Lower Upper

168 100

99 49.3 40.2 60.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

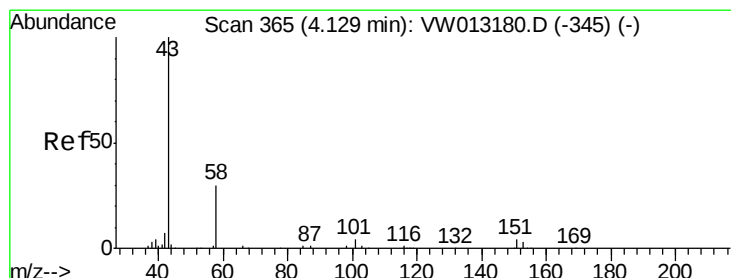
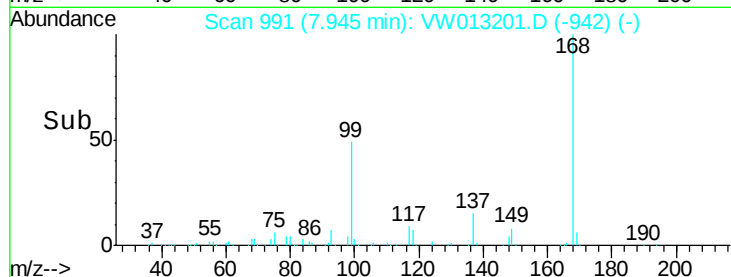
150000

100000

50000

0

Time--> 7.80 7.90 8.00



#16

Acetone

Concen: 21.077 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.01 min

Lab File: VW013201.D

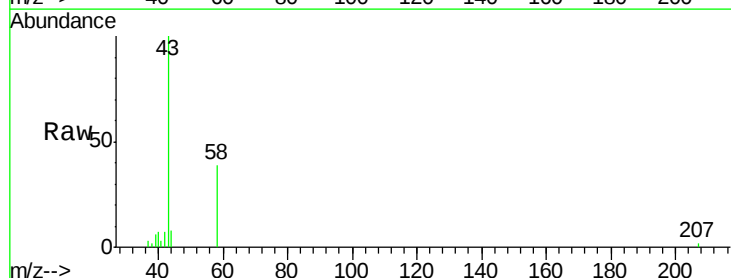
Acq: 21 Sep 2019 00:03

Tgt Ion: 43 Resp: 10906

Ion Ratio Lower Upper

43 100

58 38.9 24.1 36.1#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.14

4000

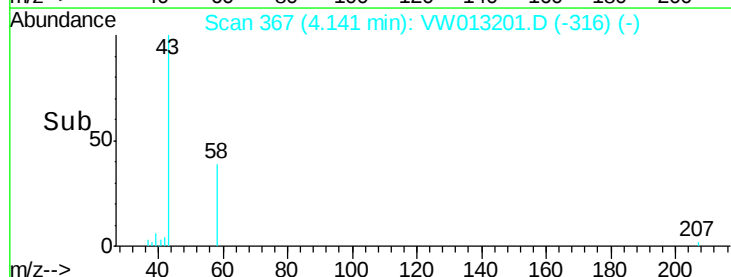
3000

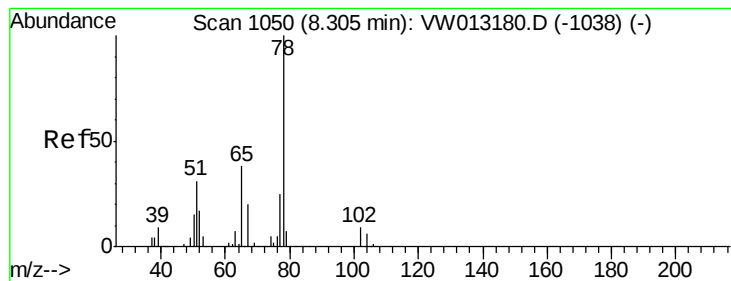
2000

1000

0

Time--> 4.05 4.10 4.15 4.20





#33

1,2-Dichloroethane-d4

Concen: 51.142 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW013201.D

Acq: 21 Sep 2019 00:03

Instrument :

MSVOA_W

ClientSampled :

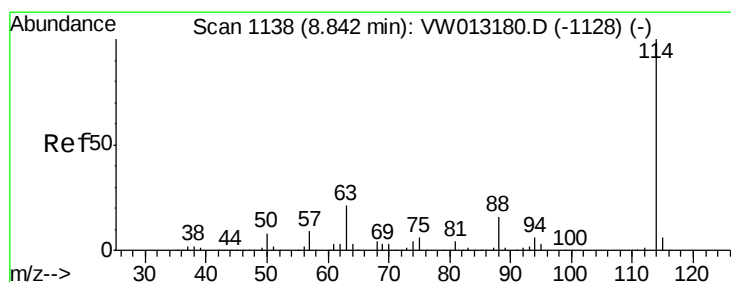
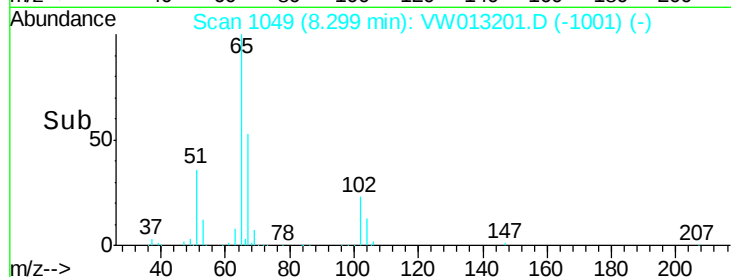
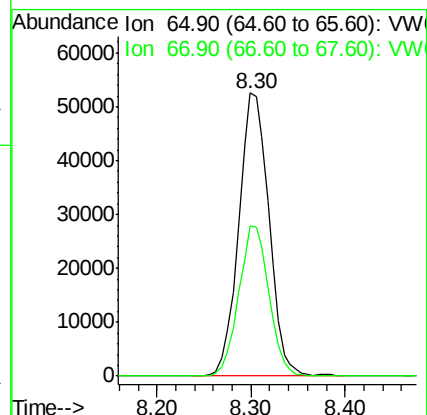
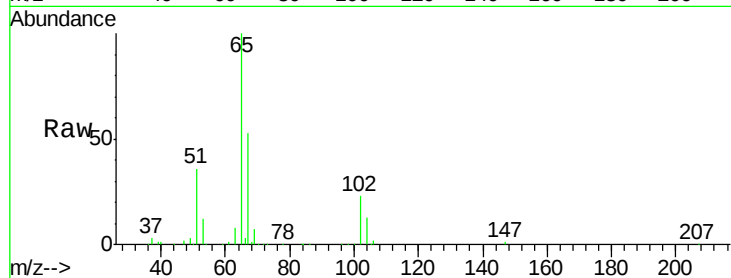
SB-9

Tot Ion: 65 Resp: 117342

Ion Ratio Lower Upper

65 100

67 52.8 0.0 106.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW013201.D

Acq: 21 Sep 2019 00:03

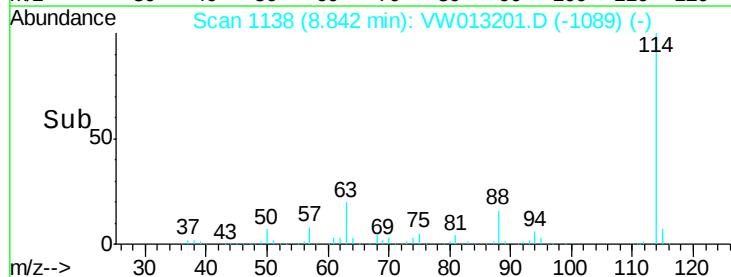
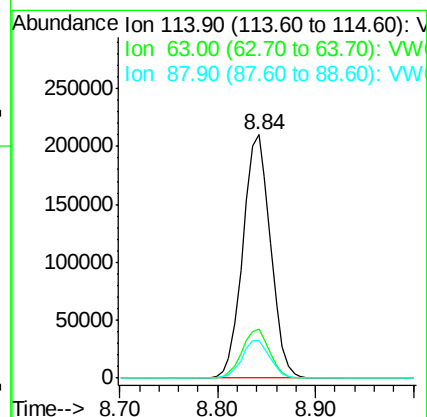
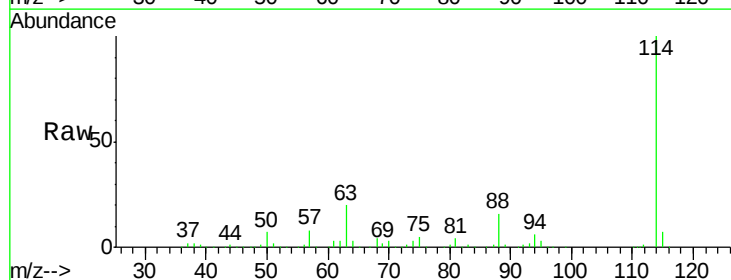
Tgt Ion: 114 Resp: 412103

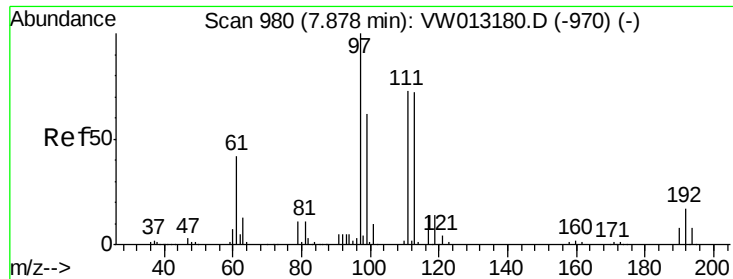
Ion Ratio Lower Upper

114 100

63 20.2 0.0 41.4

88 15.6 0.0 32.0

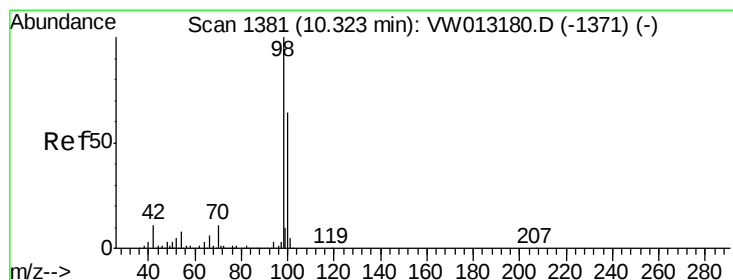
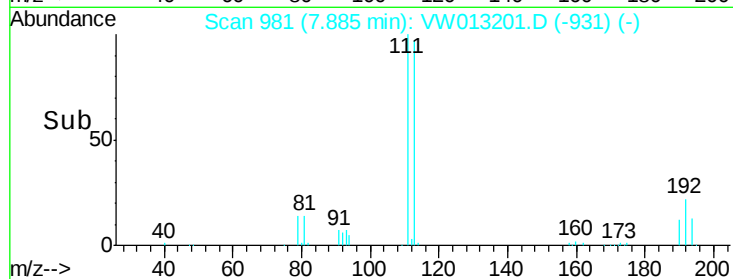
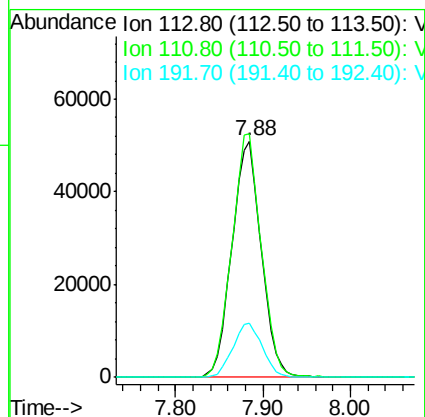
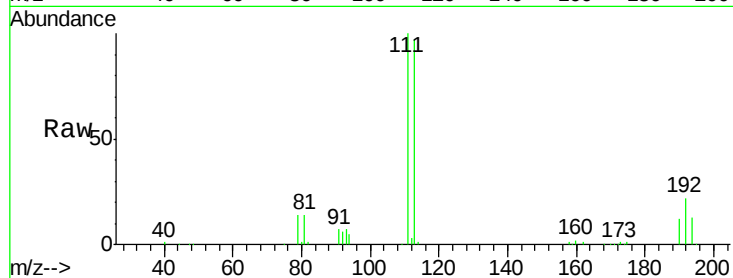




#35
 Dibromofluoromethane
 Concen: 52.598 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.01 min
 Lab File: VW013201.D
 Acq: 21 Sep 2019 00:03

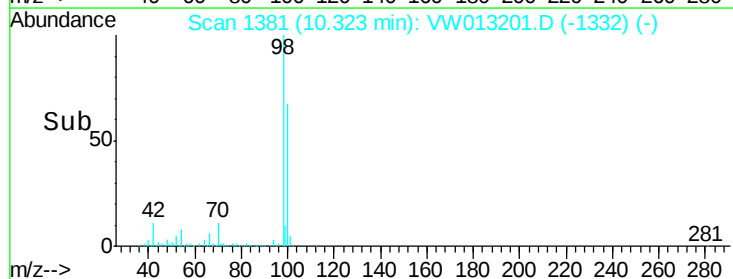
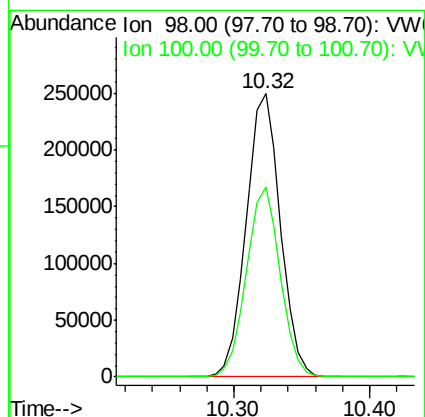
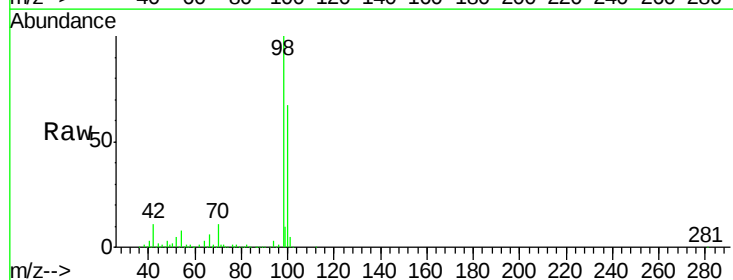
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-9

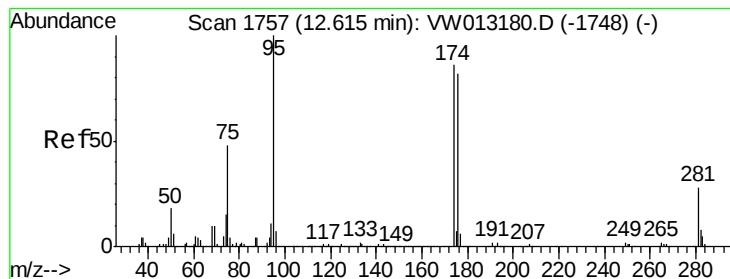
Tot Ion:113 Resp: 119217
 Ion Ratio Lower Upper
 113 100
 111 102.8 81.9 122.9
 192 23.1 19.1 28.7



#50
 Toluene-d8
 Concen: 46.306 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. -0.00 min
 Lab File: VW013201.D
 Acq: 21 Sep 2019 00:03

Tgt Ion: 98 Resp: 439253
 Ion Ratio Lower Upper
 98 100
 100 66.4 52.9 79.3





#62

4-Bromofluorobenzene

Concen: 31.346 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW013201.D

Acq: 21 Sep 2019 00:03

Instrument :

MSVOA_W

ClientSampled :

SB-9

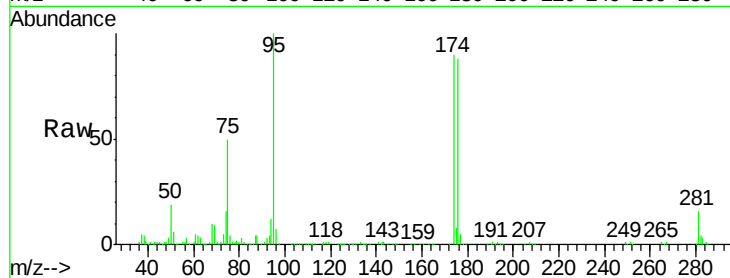
Tot Ion: 95 Resp: 101569

Ion Ratio Lower Upper

95 100

174 91.5 0.0 178.4

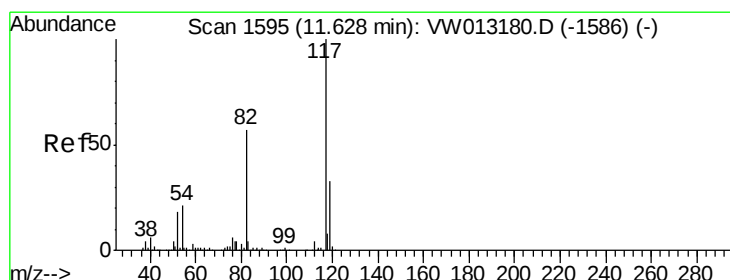
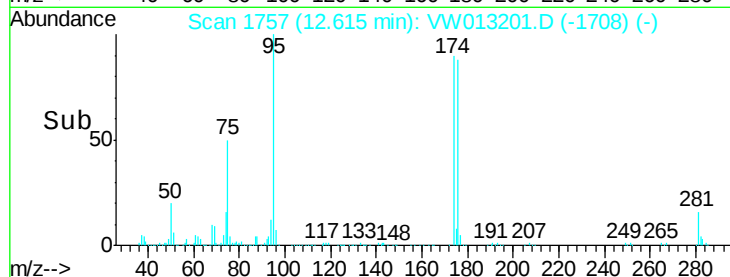
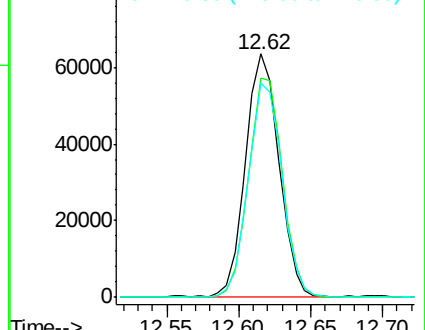
176 88.8 0.0 172.2



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# 1595

Delta R.T. -0.00 min

Lab File: VW013201.D

Acq: 21 Sep 2019 00:03

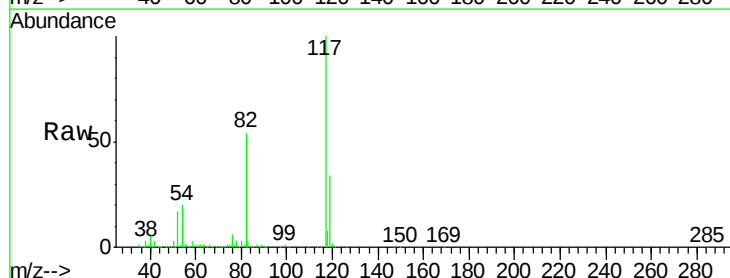
Tgt Ion: 117 Resp: 285580

Ion Ratio Lower Upper

117 100

82 54.0 45.9 68.9

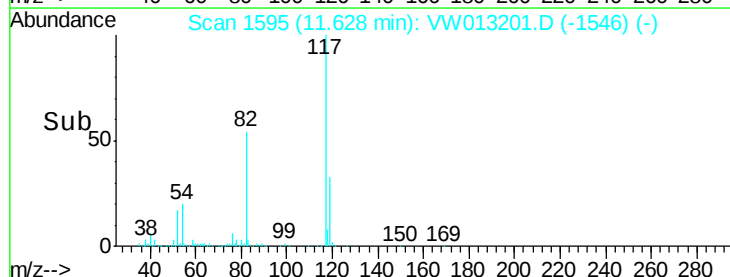
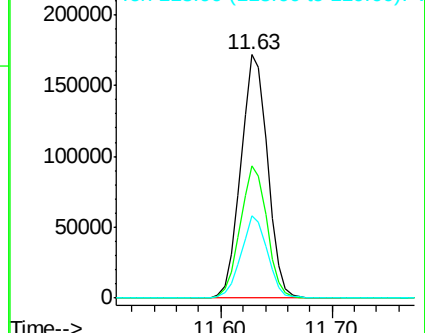
119 33.4 26.2 39.2

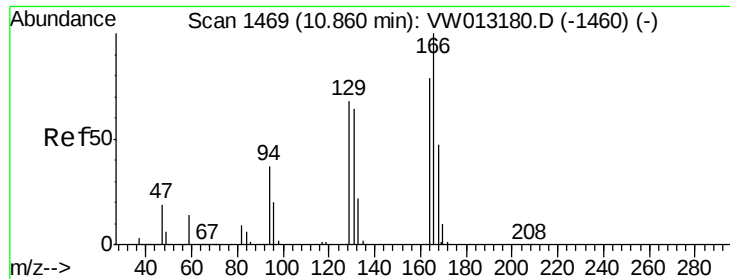


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW





#64

Tetrachloroethene

Concen: 1.958 ug/l

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW013201.D

Acq: 21 Sep 2019 00:03

Instrument :

MSVOA_W

ClientSampleId :

SB-9

Tot Ion:164 Resp: 4242

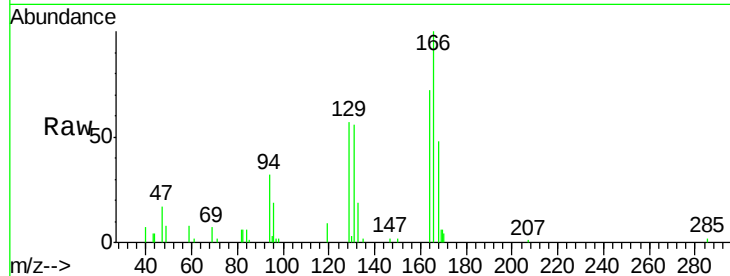
Ion Ratio Lower Upper

164 100

166 138.2 101.2 151.8

129 78.6 68.8 103.2

131 77.3 65.2 97.8

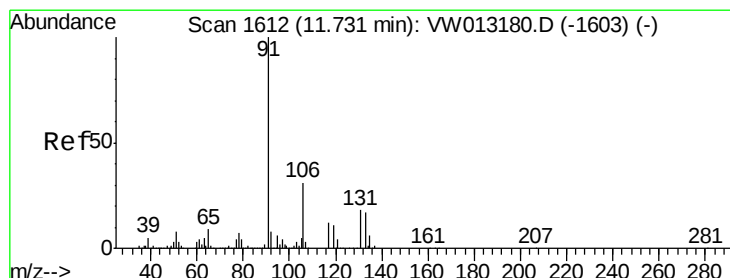
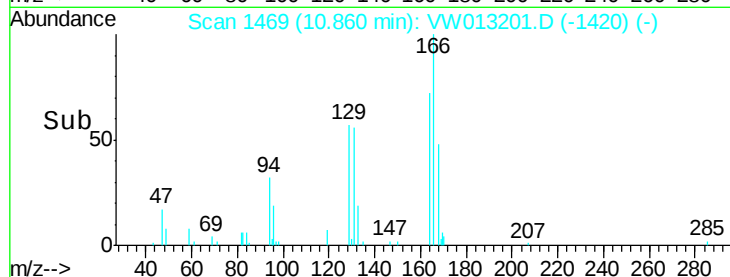
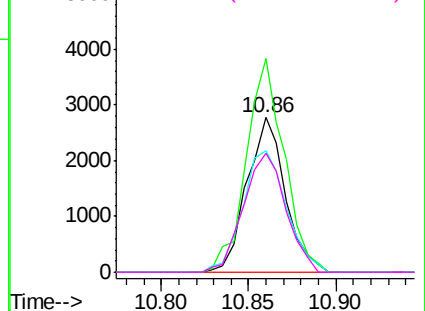


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#67

Ethyl Benzene

Concen: 1.594 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW013201.D

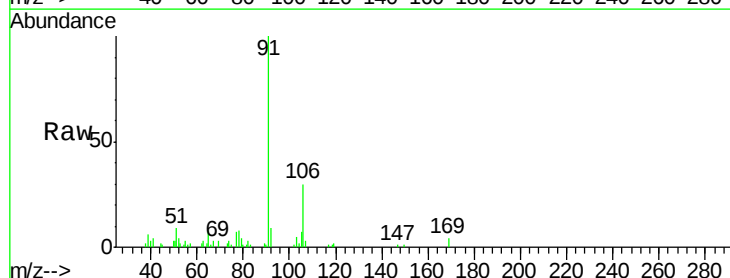
Acq: 21 Sep 2019 00:03

Tgt Ion: 91 Resp: 17228

Ion Ratio Lower Upper

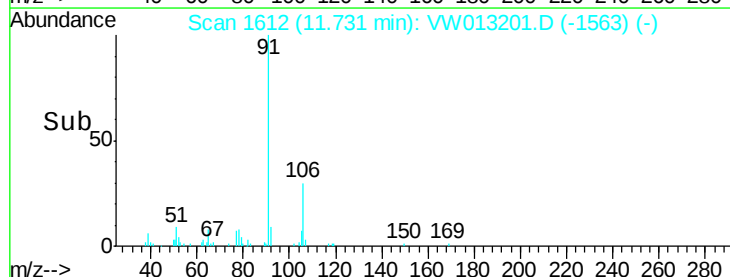
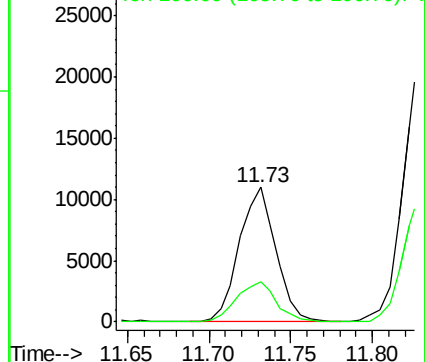
91 100

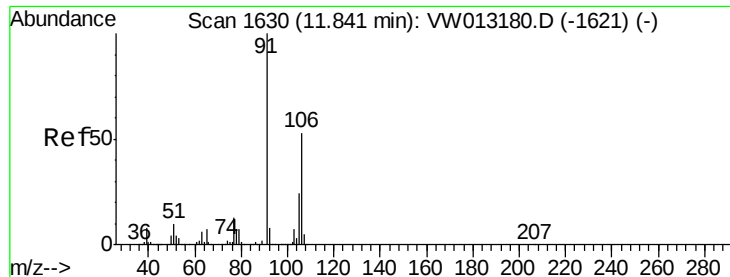
106 29.7 24.9 37.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V

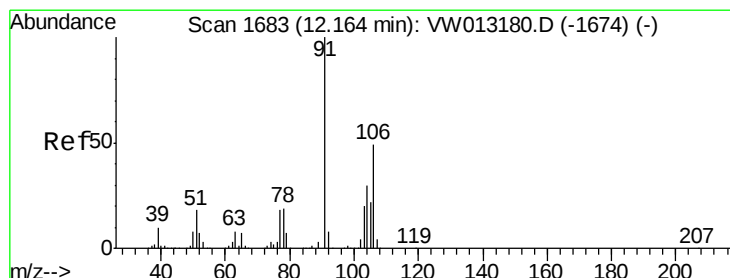
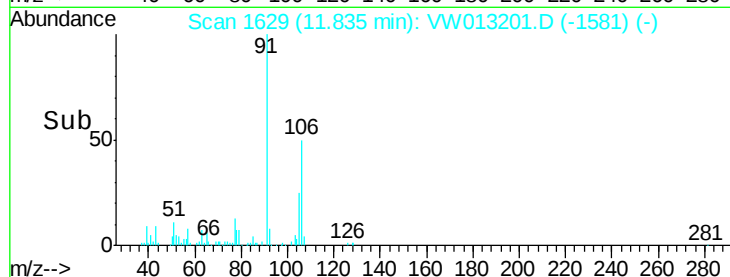
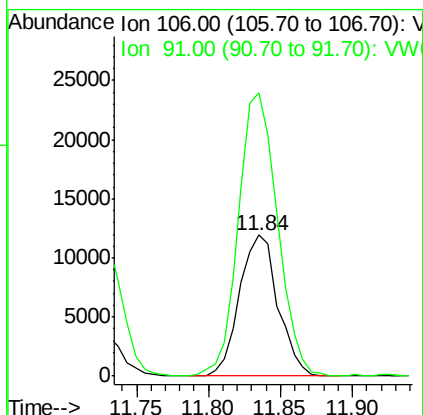
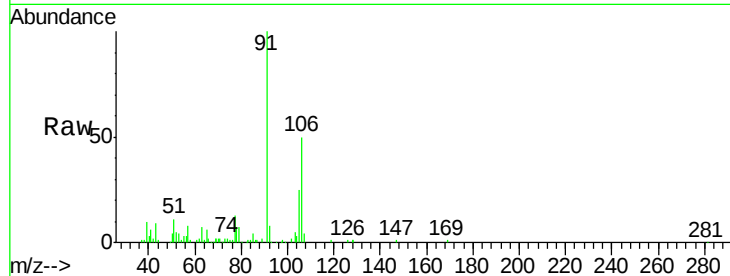




#68
m/p-Xylenes
Concen: 5.366 ug/l
RT: 11.84 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW013201.D
Acq: 21 Sep 2019 00:03

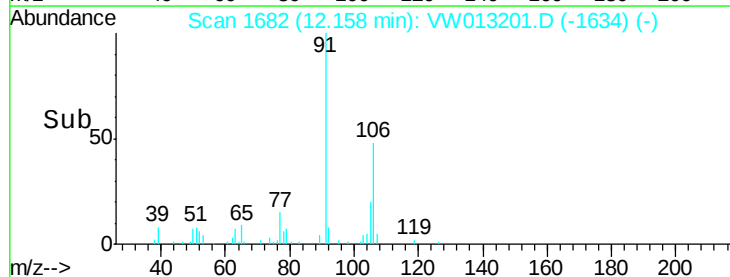
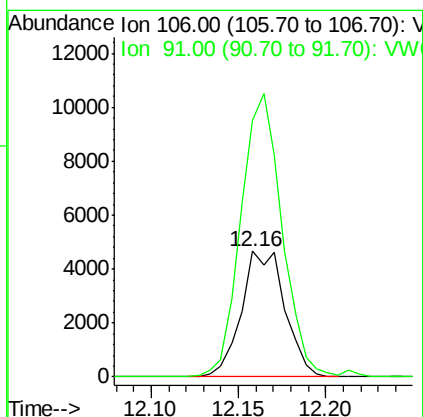
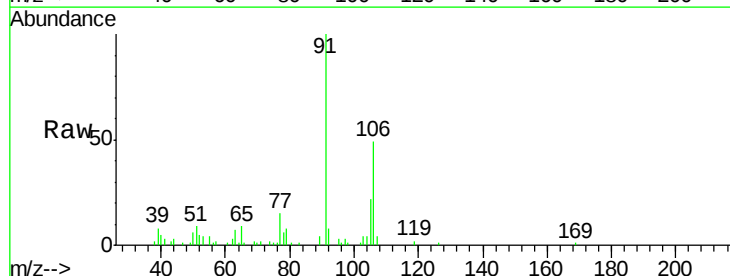
Instrument :
MSVOA_W
ClientSampled :
SB-9

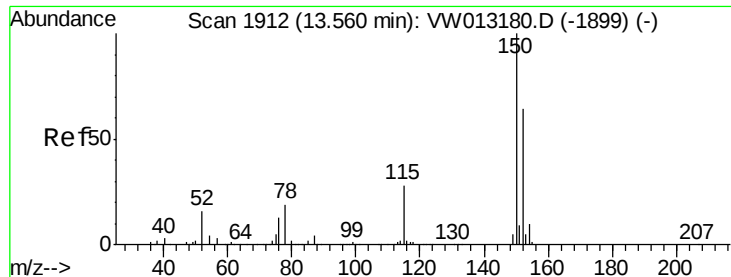
Tot Ion:106 Resp: 22093
Ion Ratio Lower Upper
106 100
91 204.1 157.9 236.9



#69
o-Xylene
Concen: 2.093 ug/l
RT: 12.16 min Scan# 1682
Delta R.T. -0.01 min
Lab File: VW013201.D
Acq: 21 Sep 2019 00:03

Tgt Ion:106 Resp: 8013
Ion Ratio Lower Upper
106 100
91 213.5 106.5 319.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.55 min Scan# 1911

Delta R.T. -0.01 min

Lab File: VW013201.D

Acq: 21 Sep 2019 00:03

Instrument :

MSVOA_W

ClientSampled :

SB-9

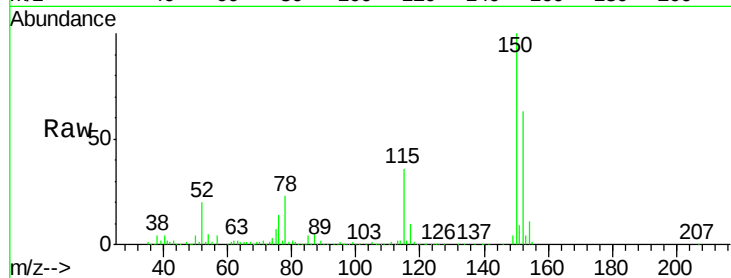
Tot Ion:152 Resp: 79035

Ion Ratio Lower Upper

152 100

115 59.1 27.3 81.9

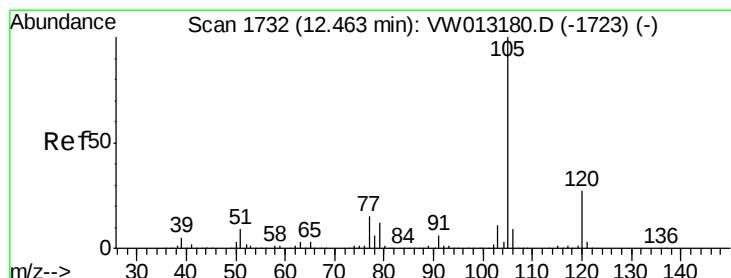
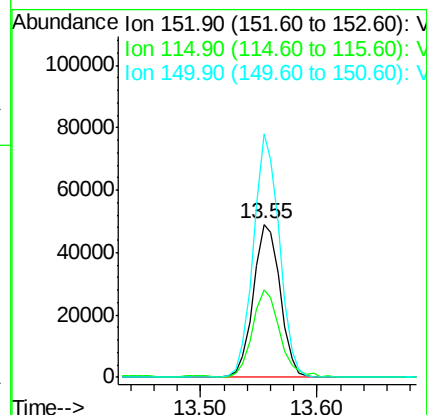
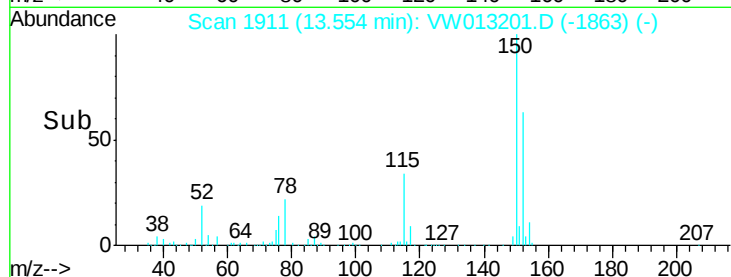
150 153.4 0.0 349.0



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



#73

Isopropylbenzene

Concen: 1.772 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW013201.D

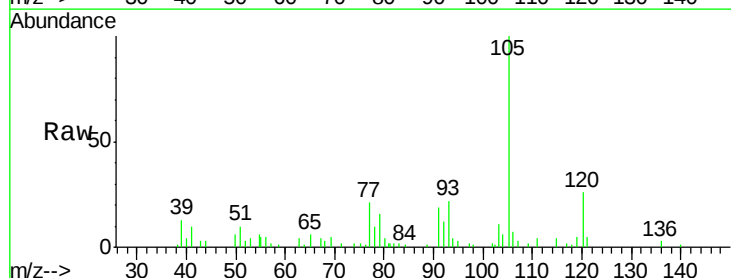
Acq: 21 Sep 2019 00:03

Tgt Ion:105 Resp: 10348

Ion Ratio Lower Upper

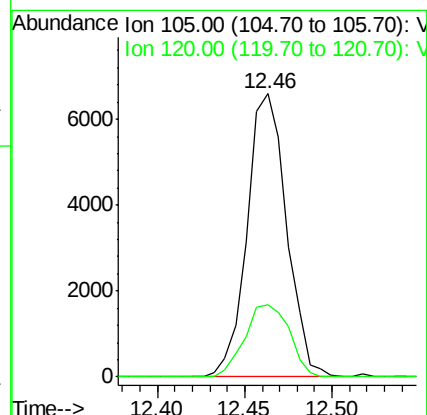
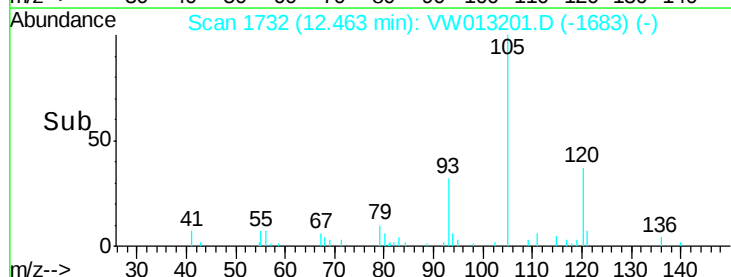
105 100

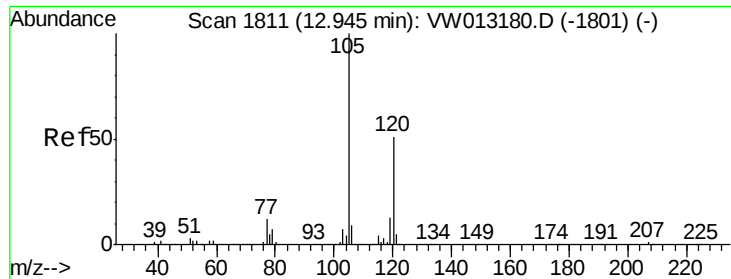
120 28.7 13.4 40.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

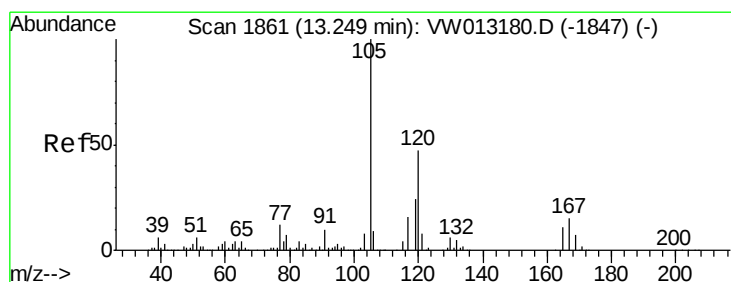
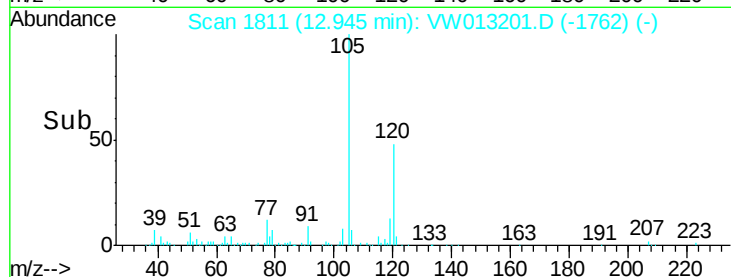
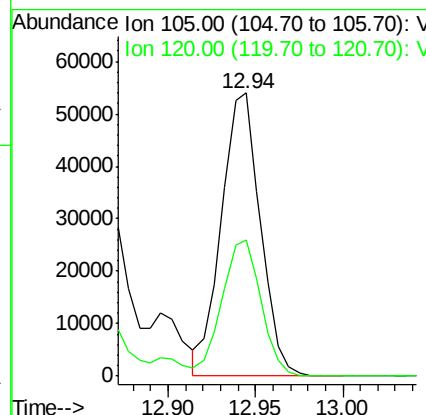
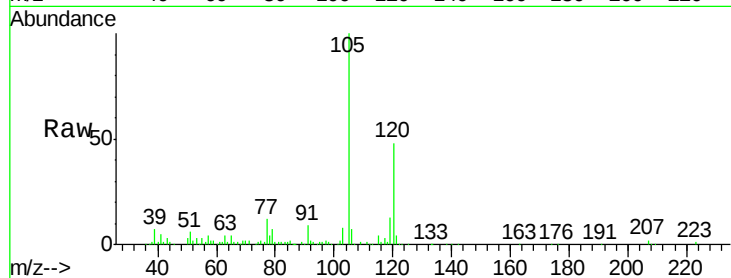




#80
 1,3,5-Trimethylbenzene
 Concen: 17.026 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW013201.D
 Acq: 21 Sep 2019 00:03

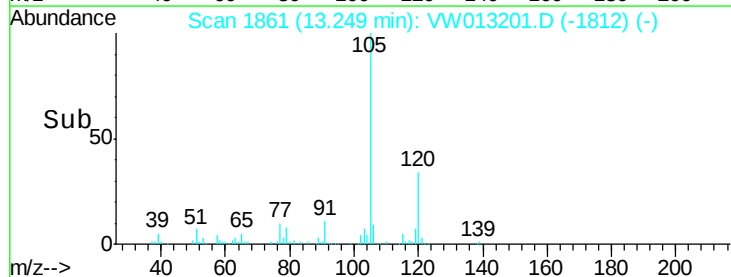
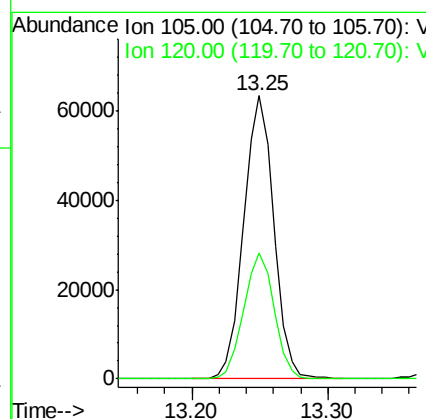
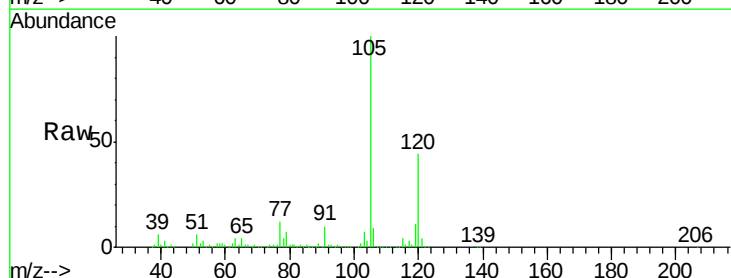
Instrument :
 MSVOA_W
 ClientSampled :
 SB-9

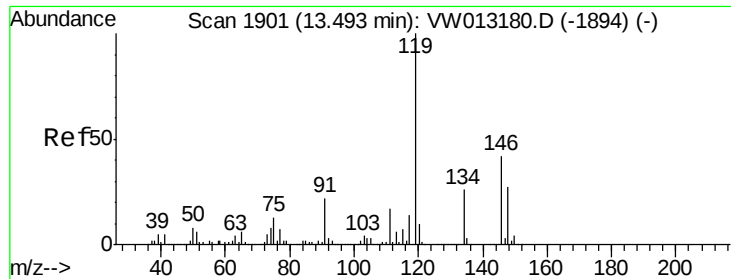
Tot Ion:105 Resp: 83561
 Ion Ratio Lower Upper
 105 100
 120 48.3 24.9 74.8



#84
 1,2,4-Trimethylbenzene
 Concen: 20.029 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW013201.D
 Acq: 21 Sep 2019 00:03

Tgt Ion:105 Resp: 97817
 Ion Ratio Lower Upper
 105 100
 120 45.1 23.4 70.3

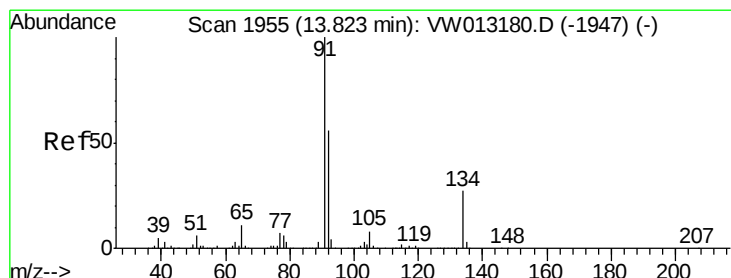
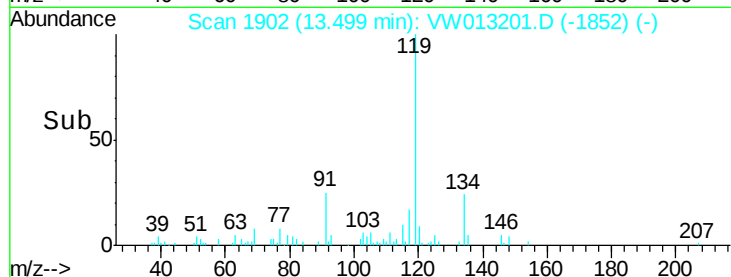
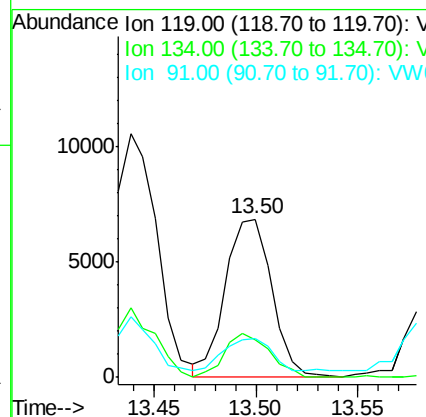
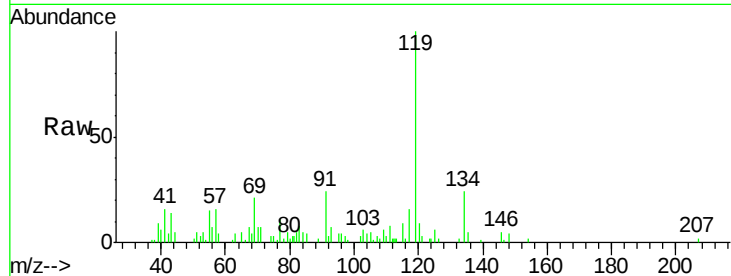




#86
 p-Isopropyltoluene
 Concen: 1.982 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.01 min
 Lab File: VW013201.D
 Acq: 21 Sep 2019 00:03

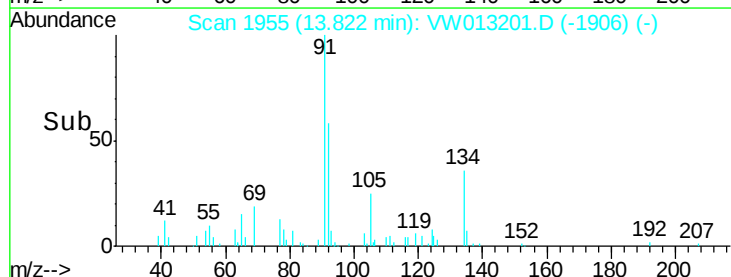
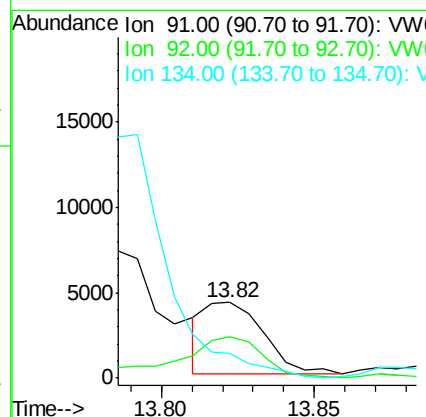
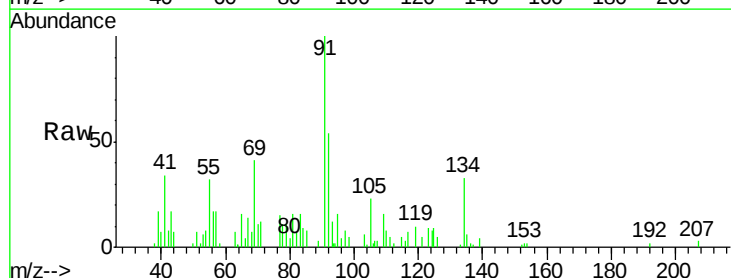
Instrument :
 MSVOA_W
 ClientSampled :
 SB-9

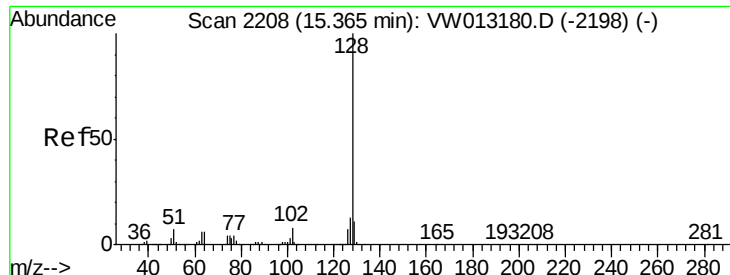
Tot Ion	Ratio	Lower	Upper
119	100		
134	26.6	13.3	39.8
91	20.7	10.8	32.4



#89
 n-Butylbenzene
 Concen: 1.118 ug/l
 RT: 13.82 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VW013201.D
 Acq: 21 Sep 2019 00:03

Tgt Ion	Ratio	Lower	Upper
91	100		
92	69.4	27.6	82.8
134	0.0	13.7	41.1#





#95

Naphthalene

Concen: 103.882 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW013201.D

Acq: 21 Sep 2019 00:03

Instrument :

MSVOA_W

ClientSampleId :

SB-9

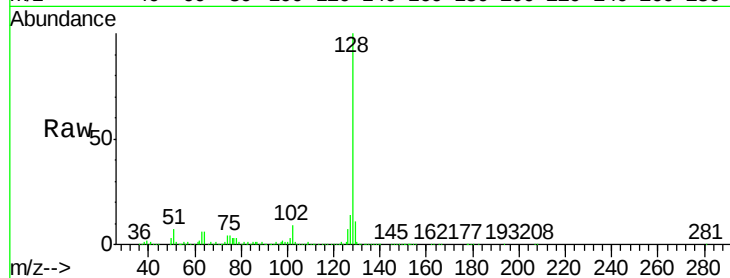
Tot Ion:128 Resp: 280453

Ion Ratio Lower Upper

128 100

127 14.1 10.6 15.8

129 10.8 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

