

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW100418\
 Data File : VW005849.D
 Acq On : 04 Oct 2018 10:58
 Operator : SY/AP
 Sample : J5194-05RE
 Misc : 6.29G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 HR-06-100218-CRE

Quant Time: Oct 04 13:27:42 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100418S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 04 07:08:57 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	180787	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	256690	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	125493	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	108838	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	86519	39.45	ug/l	0.00
Spiked Amount			Recovery	=	78.90%	
35) Dibromofluoromethane	7.89	113	73718	43.82	ug/l	0.00
Spiked Amount			Recovery	=	87.64%	
50) Toluene-d8	10.33	98	59890	8.96	ug/l	0.00
Spiked Amount			Recovery	=	17.92%	
62) 4-Bromofluorobenzene	12.62	95	86639	35.09	ug/l	0.00
Spiked Amount			Recovery	=	70.18%	

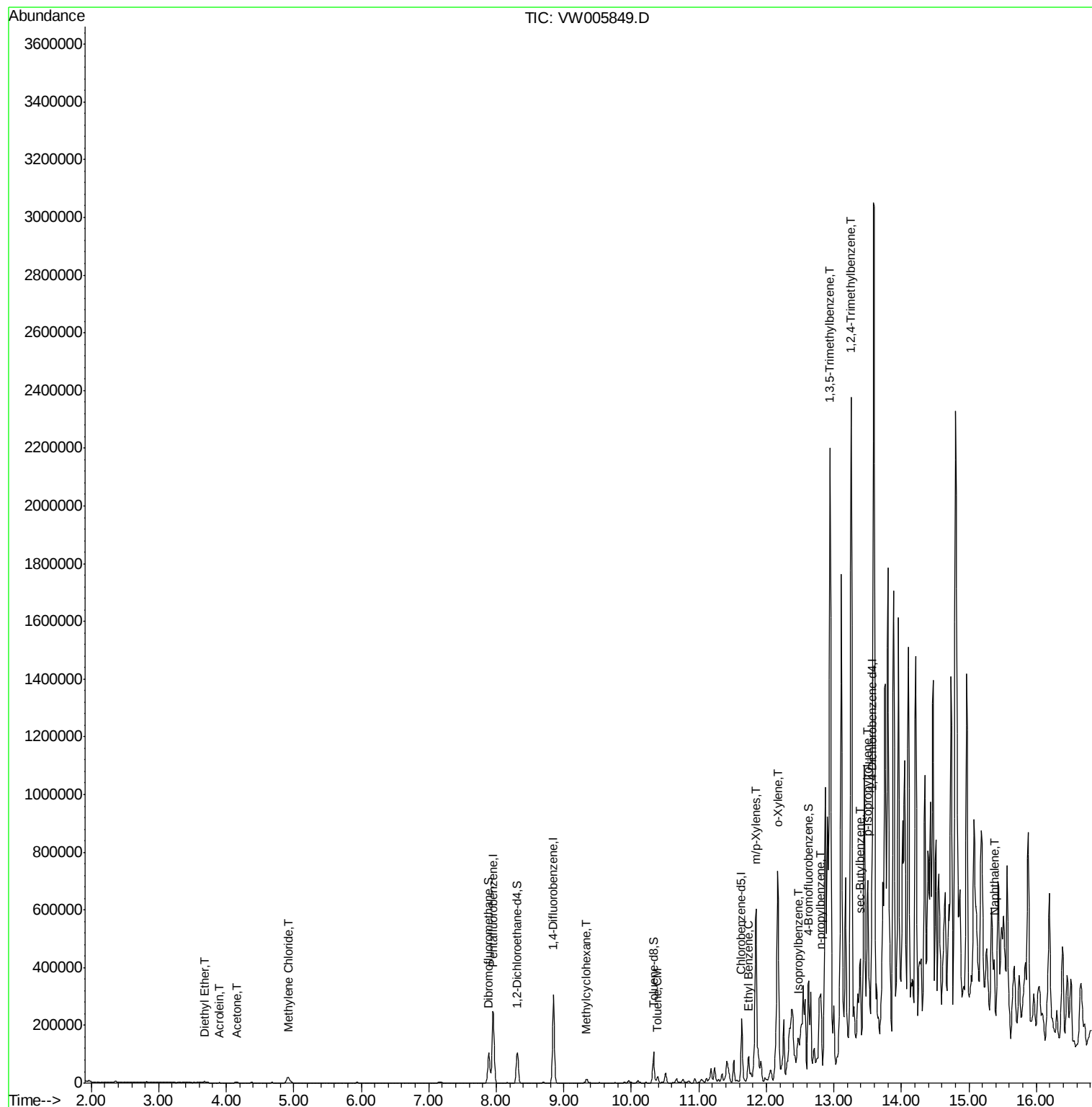
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	1983	2.087	ug/l	93
13) Acrolein	3.90	56	1208	9.066	ug/l #	67
16) Acetone	4.15	43	5972	16.316	ug/l	97
20) Methylene Chloride	4.92	84	17056	1.073	ug/l	96
39) Methylcyclohexane	9.34	83	4959	1.726	ug/l	98
52) Toluene	10.39	92	9150	1.941	ug/l	97
67) Ethyl Benzene	11.74	91	52329	11.137	ug/l	100
68) m/p-Xylenes	11.84	106	90323	49.888	ug/l	98
69) o-Xylene	12.17	106	171934	102.169	ug/l	98
73) Isopropylbenzene	12.47	105	48011	6.411	ug/l	100
78) n-propylbenzene	12.81	91	160914	18.066	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	770866	118.536	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	1251686	187.453	ug/l	99
85) sec-Butylbenzene	13.39	105	158390	20.232	ug/l	84
86) p-Isopropyltoluene	13.51	119	218304	31.065	ug/l	99
95) Naphthalene	15.38	128	119037	27.747	ug/l	94

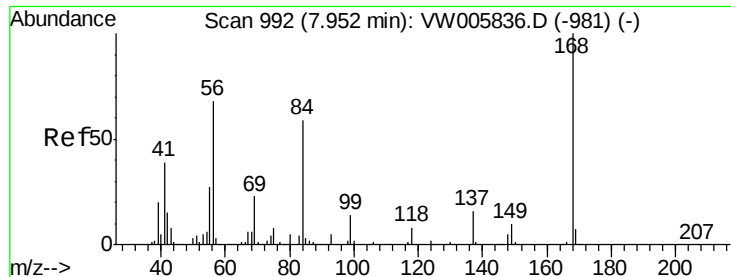
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.01 min

Lab File: VW005849.D

Acq: 04 Oct 2018 10:58

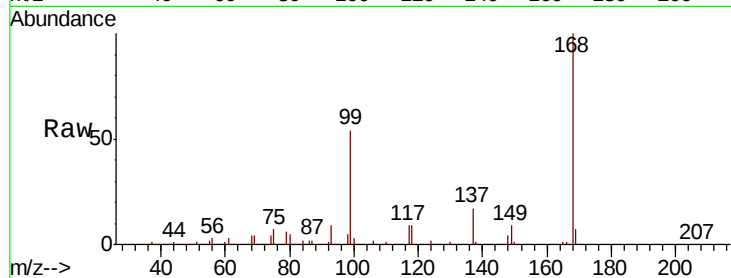
Instrument :
MSVOA_W
ClientSampleId :
HR-06-100218-CRE

Tot Ion:168 Resp: 180787

Ion Ratio Lower Upper

168 100

99 53.8 45.4 68.2



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.96

80000

60000

40000

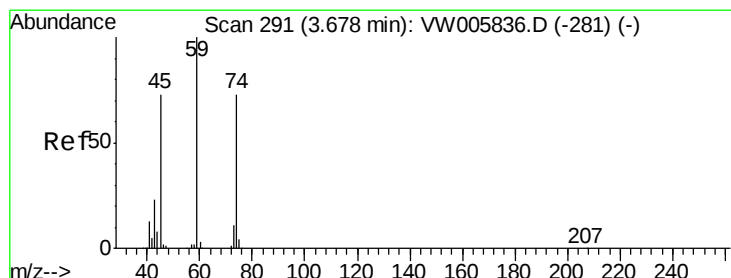
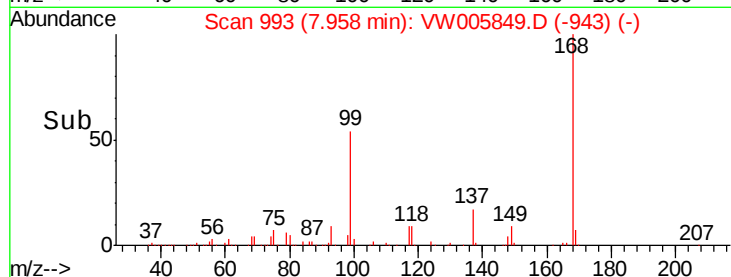
20000

0

7.90

8.00

Time-->



#8

Diethyl Ether

Concen: 2.087 ug/l

RT: 3.68 min Scan# 292

Delta R.T. 0.01 min

Lab File: VW005849.D

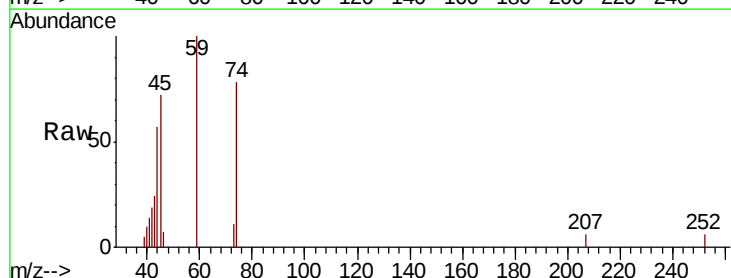
Acq: 04 Oct 2018 10:58

Tgt Ion: 74 Resp: 1983

Ion Ratio Lower Upper

74 100

45 105.7 49.1 147.4



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.68

1200

1000

800

600

400

200

0

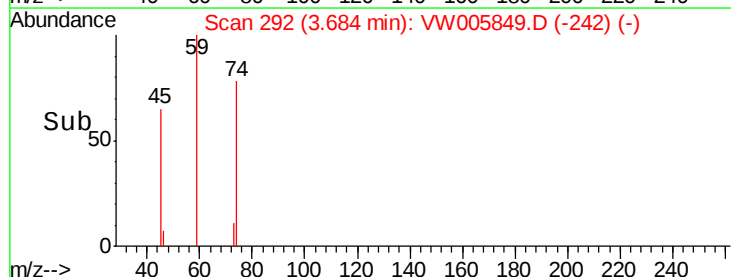
3.60

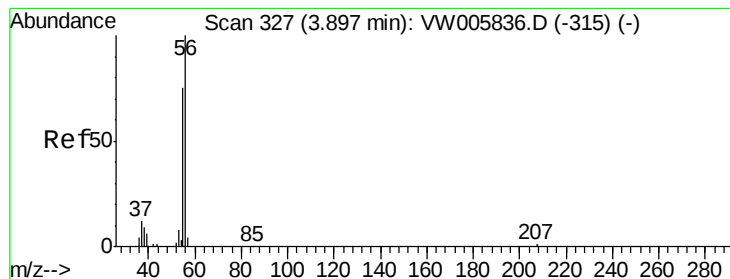
3.65

3.70

3.75

Time-->





#13

Acrolein

Concen: 9.066 ug/l

RT: 3.90 min Scan# 327

Delta R.T. -0.00 min

Lab File: VW005849.D

Acq: 04 Oct 2018 10:58

Instrument :

MSVOA_W

ClientSampleId :

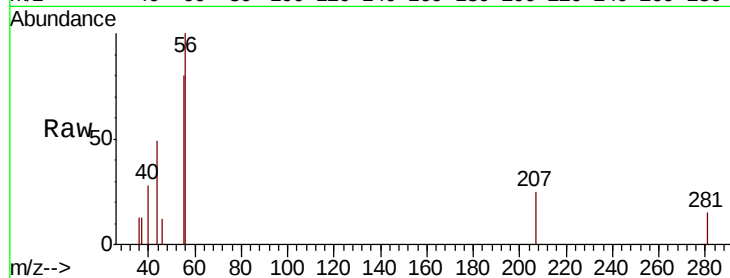
HR-06-100218-CRE

Tot Ion: 56 Resp: 1208

Ion Ratio Lower Upper

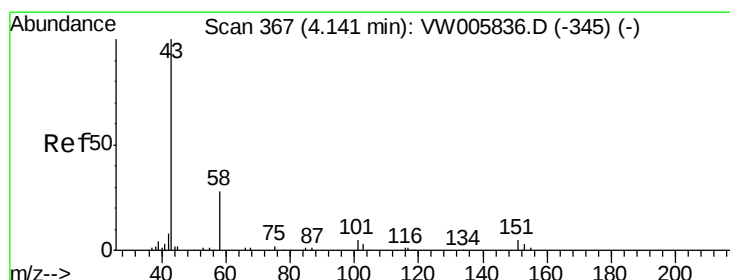
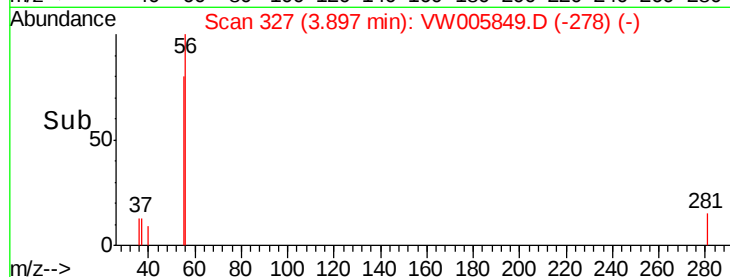
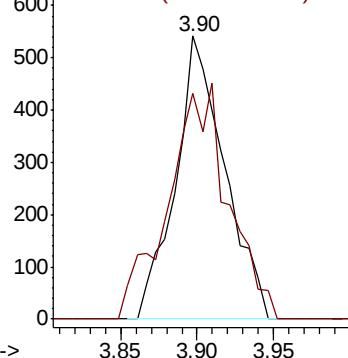
56 100

55 101.5 59.2 88.8#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#16

Acetone

Concen: 16.316 ug/l

RT: 4.15 min Scan# 369

Delta R.T. 0.01 min

Lab File: VW005849.D

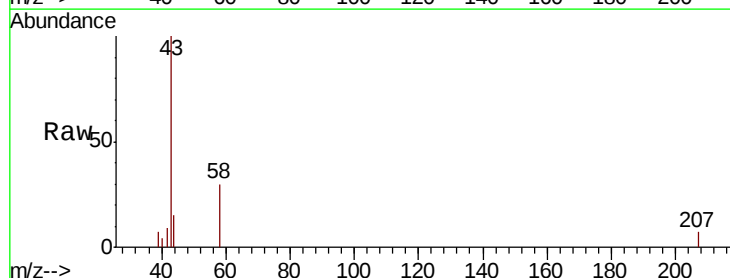
Acq: 04 Oct 2018 10:58

Tgt Ion: 43 Resp: 5972

Ion Ratio Lower Upper

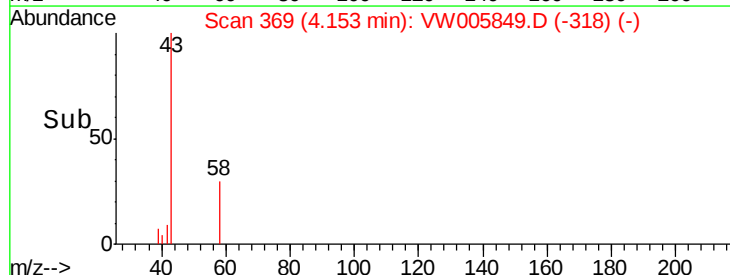
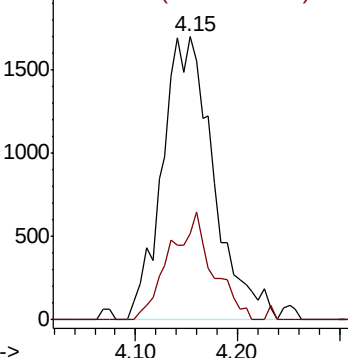
43 100

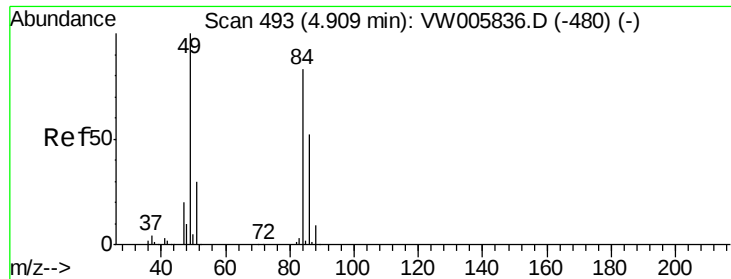
58 30.3 23.0 34.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

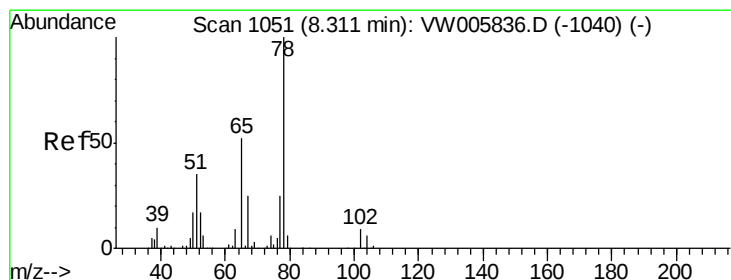
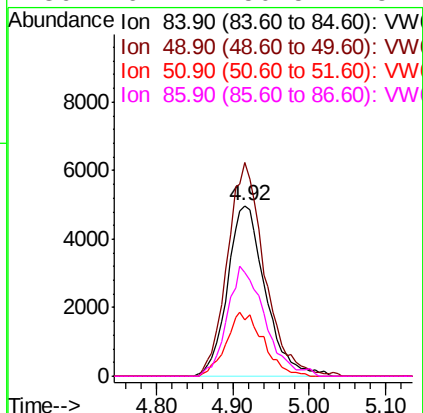
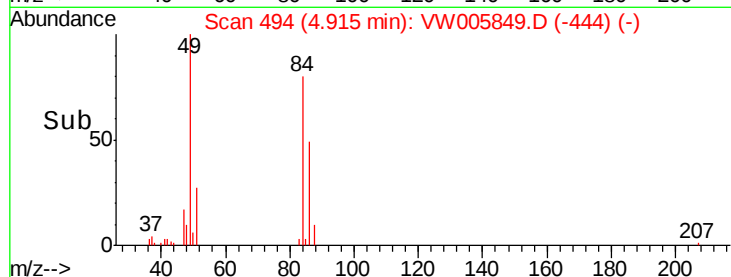
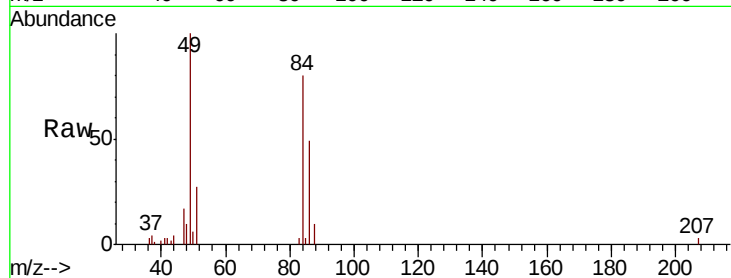




#20
Methylene Chloride
Concen: 1.073 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW005849.D
Acq: 04 Oct 2018 10:58

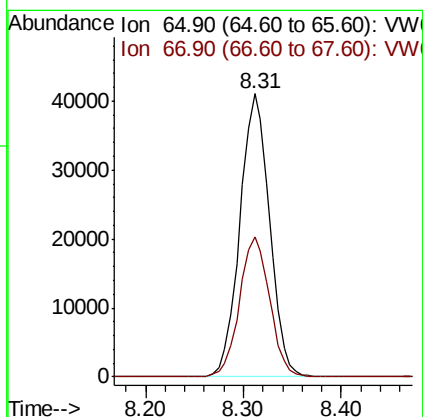
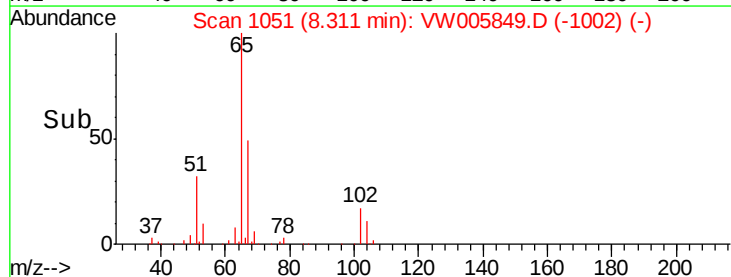
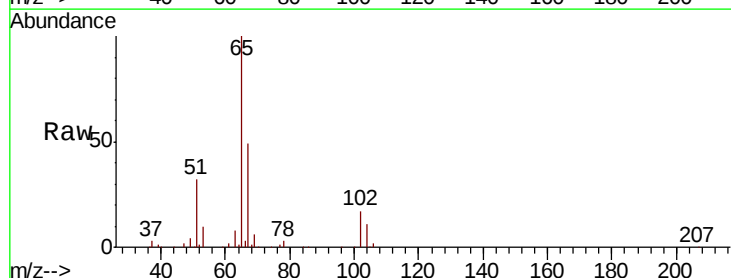
Instrument :
MSVOA_W
ClientSampleId :
HR-06-100218-CRE

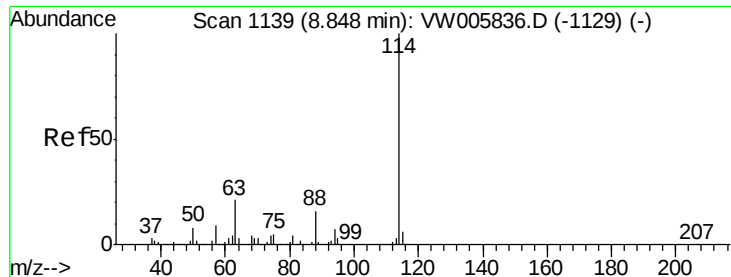
Tot Ion: 84 Resp: 17056
Ion Ratio Lower Upper
84 100
49 125.3 96.8 145.2
51 33.2 28.8 43.2
86 61.1 50.5 75.7



#33
1,2-Dichloroethane-d4
Concen: 39.448 ug/l
RT: 8.31 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VW005849.D
Acq: 04 Oct 2018 10:58

Tgt Ion: 65 Resp: 86519
Ion Ratio Lower Upper
65 100
67 50.2 0.0 98.0

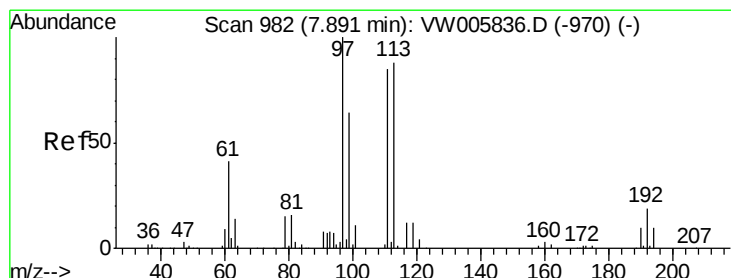
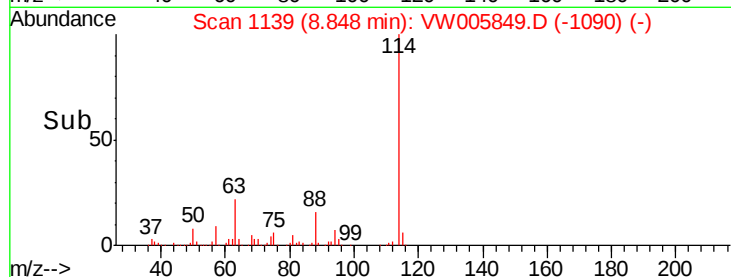
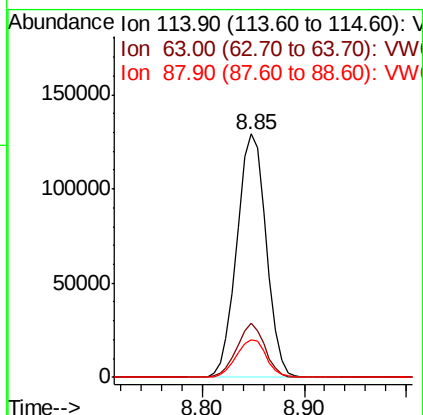
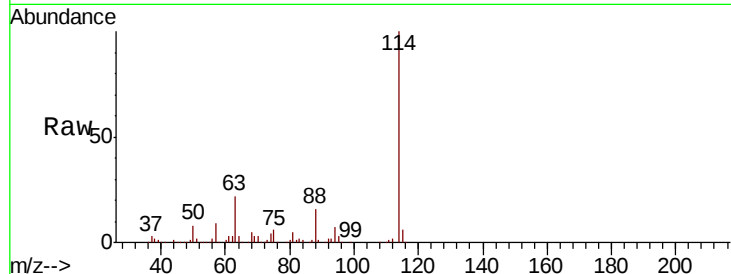




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW005849.D
 Acq: 04 Oct 2018 10:58

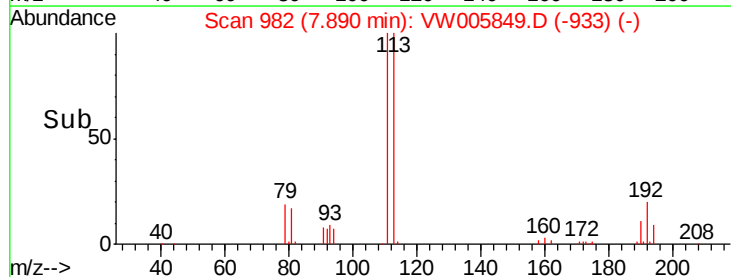
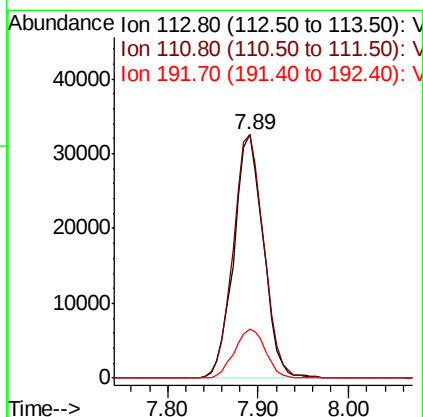
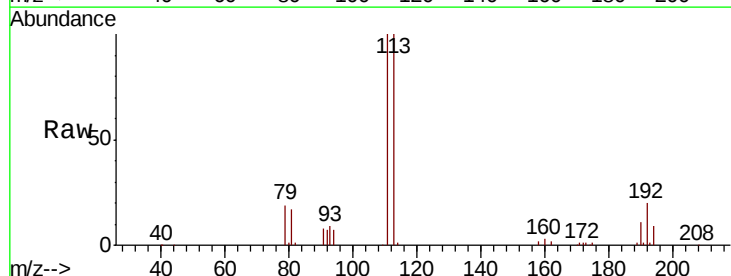
Instrument :
 MSVOA_W
 ClientSampleId :
 HR-06-100218-CRE

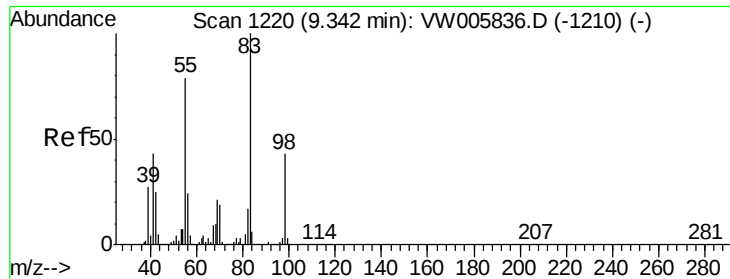
Tot Ion	Ratio	Lower	Upper
114	100		
63	22.3	0.0	42.0
88	15.5	0.0	31.2



#35
 Dibromofluoromethane
 Concen: 43.816 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. -0.00 min
 Lab File: VW005849.D
 Acq: 04 Oct 2018 10:58

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.5	81.4	122.2
192	21.1	17.3	25.9

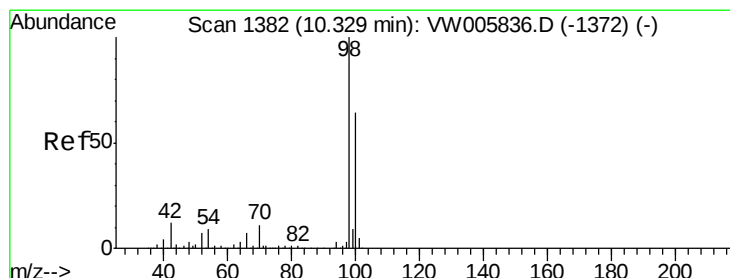
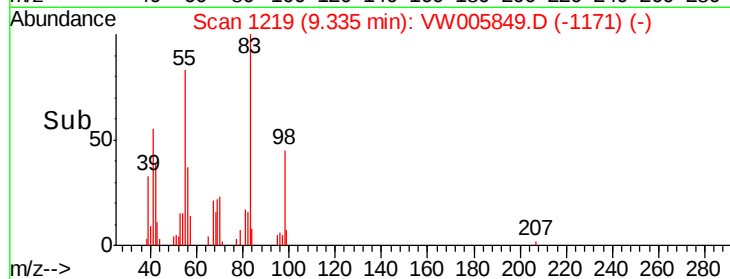
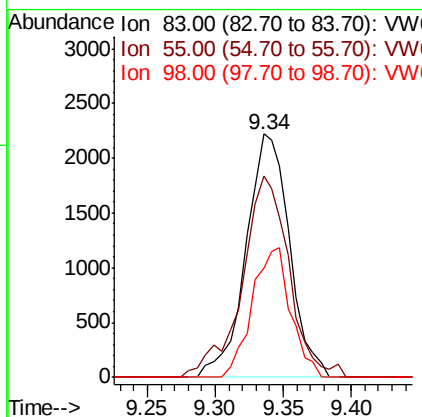
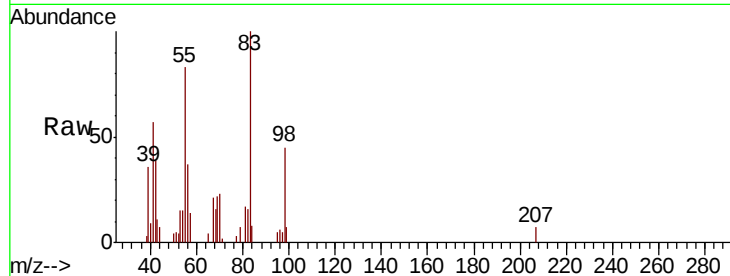




#39
Methylcyclohexane
Concen: 1.726 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.01 min
Lab File: VW005849.D
Acq: 04 Oct 2018 10:58

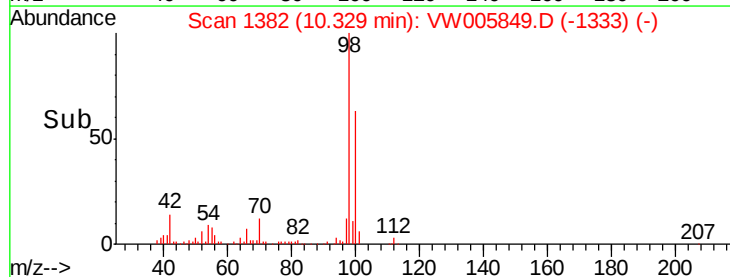
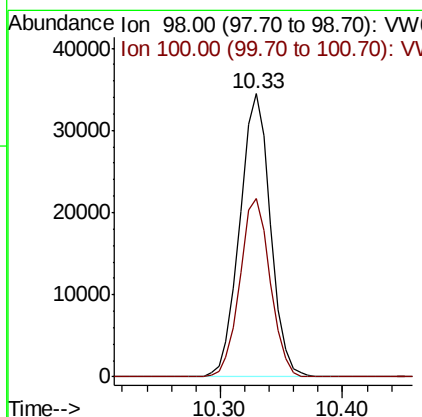
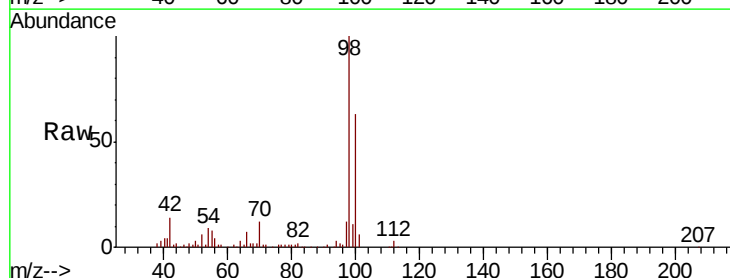
Instrument :
MSVOA_W
ClientSampleId :
HR-06-100218-CRE

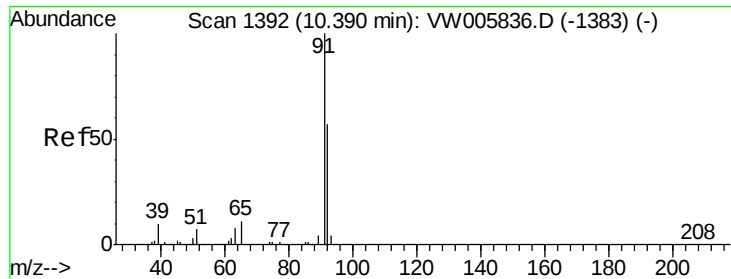
Tot Ion	83	Resp	4959
Ion	Ratio	Lower	Upper
83	100		
55	79.9	63.0	94.4
98	44.8	34.5	51.7



#50
Toluene-d8
Concen: 8.965 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VW005849.D
Acq: 04 Oct 2018 10:58

Tgt Ion	98	Resp	59890
Ion	Ratio	Lower	Upper
98	100		
100	62.3	51.7	77.5





#52

Toluene

Concen: 1.941 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW005849.D

Acq: 04 Oct 2018 10:58

Instrument :

MSVOA_W

ClientSampleId :

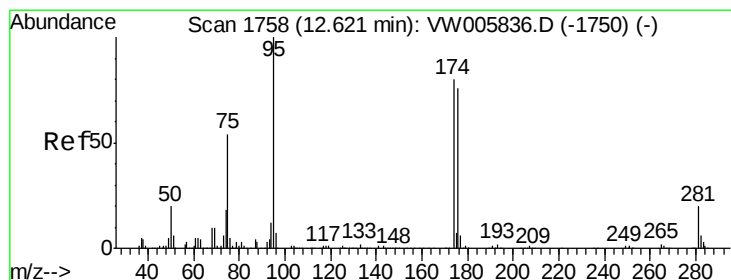
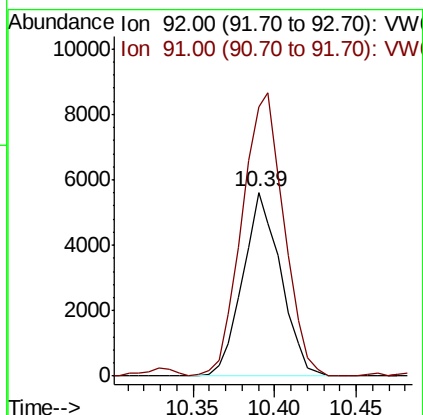
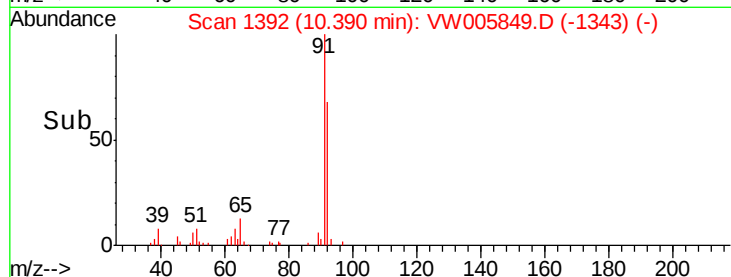
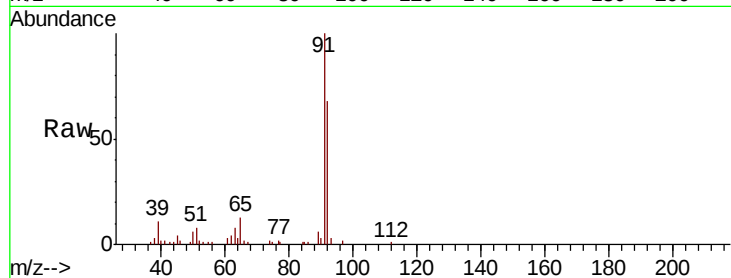
HR-06-100218-CRE

Tot Ion: 92 Resp: 9150

Ion Ratio Lower Upper

92 100

91 169.1 139.0 208.4



#62

4-Bromofluorobenzene

Concen: 35.092 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW005849.D

Acq: 04 Oct 2018 10:58

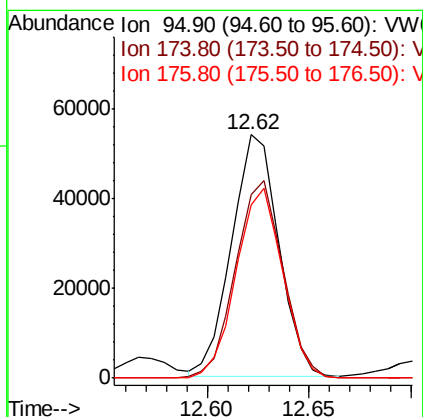
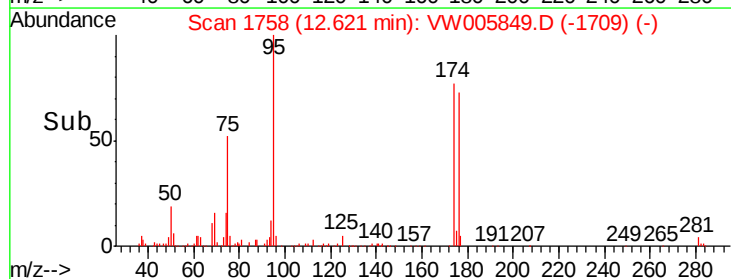
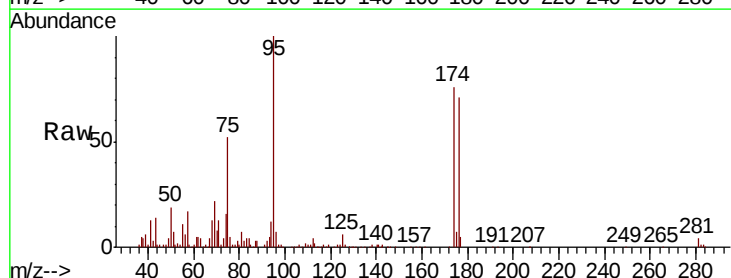
Tgt Ion: 95 Resp: 86639

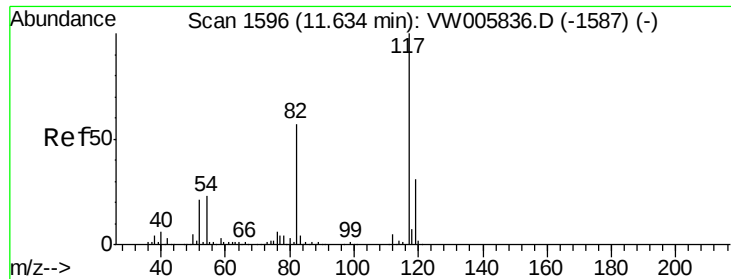
Ion Ratio Lower Upper

95 100

174 82.2 0.0 169.0

176 77.6 0.0 164.2

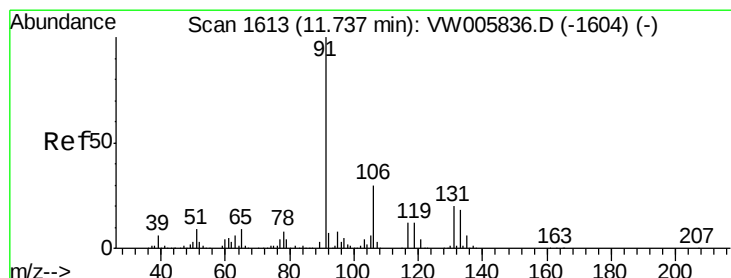
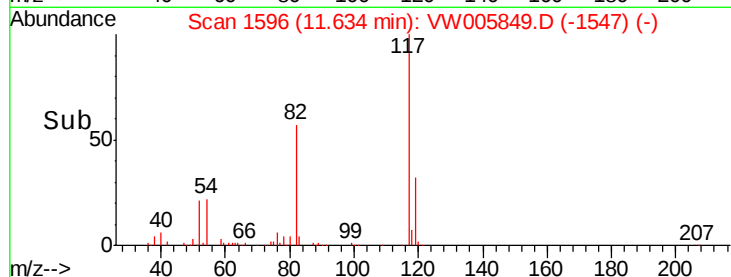
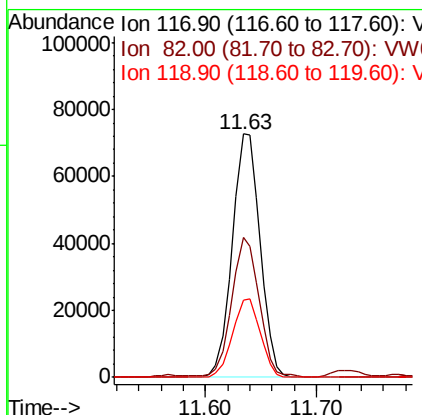
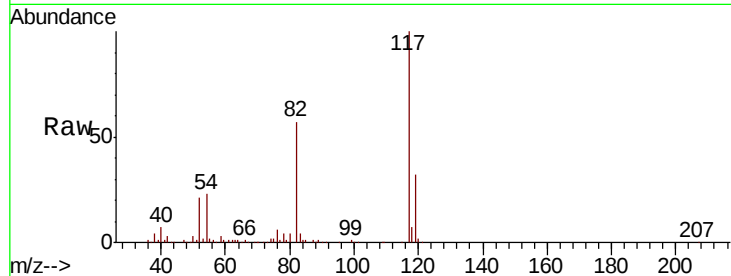




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW005849.D
Acq: 04 Oct 2018 10:58

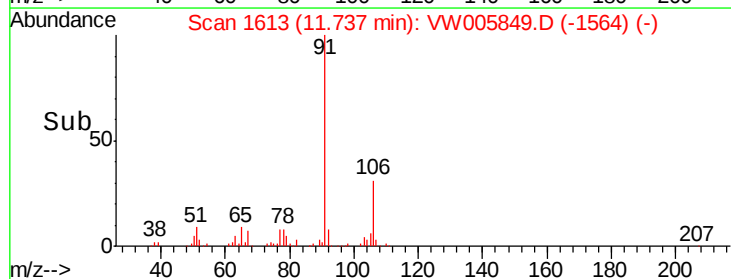
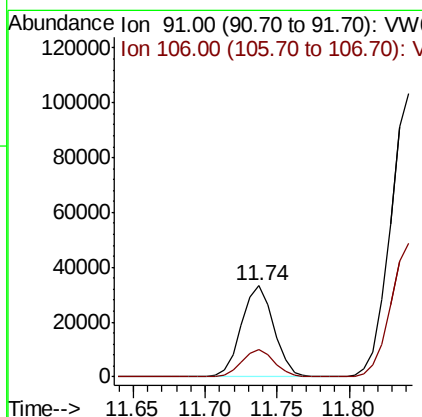
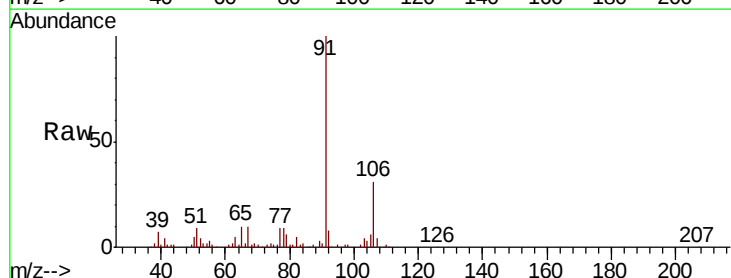
Instrument :
MSVOA_W
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HR-06-100218-CRE

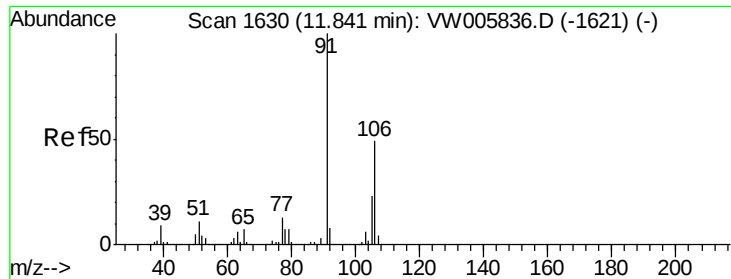
Tot Ion	Ratio	Lower	Upper
117	100		
82	56.6	45.6	68.4
119	31.7	25.0	37.6



#67
Ethyl Benzene
Concen: 11.137 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. -0.00 min
Lab File: VW005849.D
Acq: 04 Oct 2018 10:58

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.5	24.3	36.5

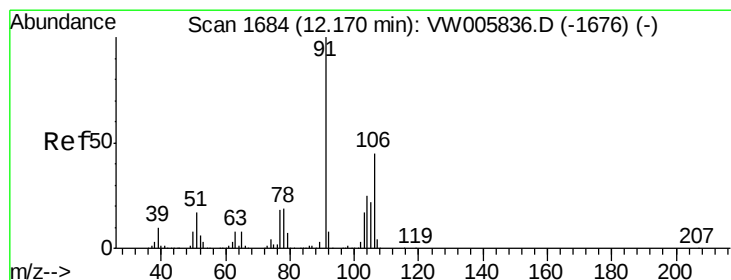
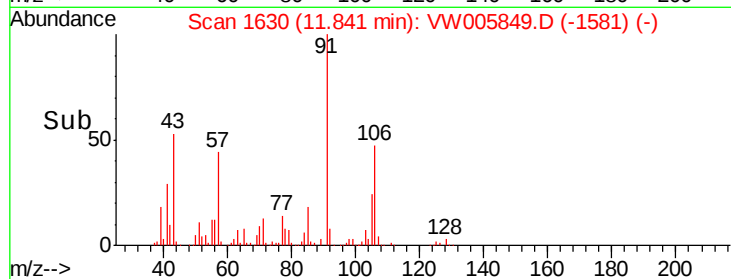
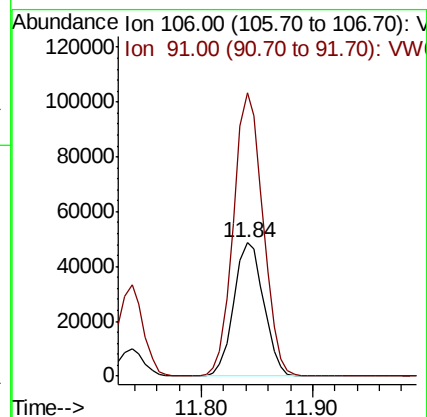
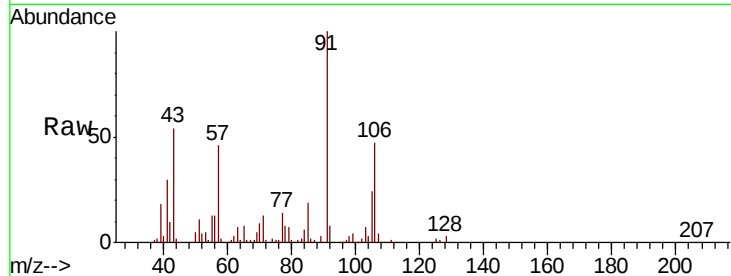




#68
m/p-Xylenes
Concen: 49.888 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW005849.D
Acq: 04 Oct 2018 10:58

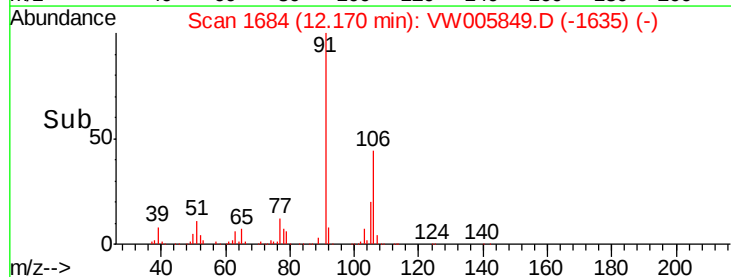
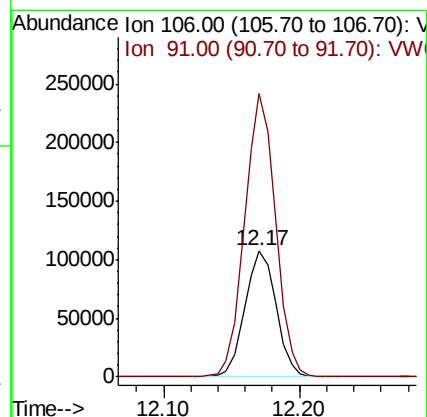
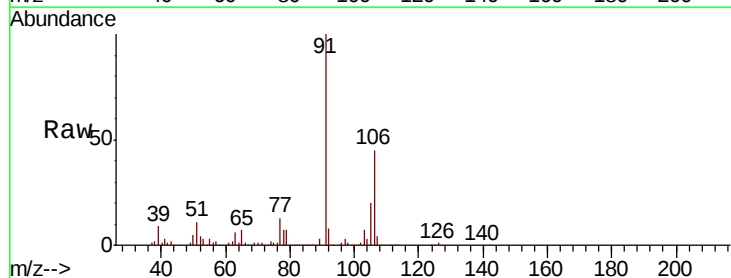
Instrument :
MSVOA_W
ClientSampleId :
HR-06-100218-CRE

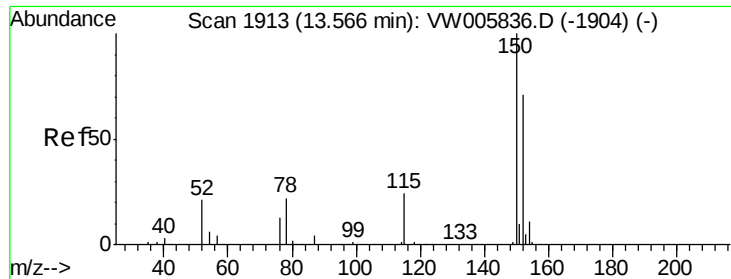
Tot Ion:106 Resp: 90323
Ion Ratio Lower Upper
106 100
91 209.6 165.4 248.0



#69
o-Xylene
Concen: 102.169 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW005849.D
Acq: 04 Oct 2018 10:58

Tgt Ion:106 Resp: 171934
Ion Ratio Lower Upper
106 100
91 223.2 109.7 329.1



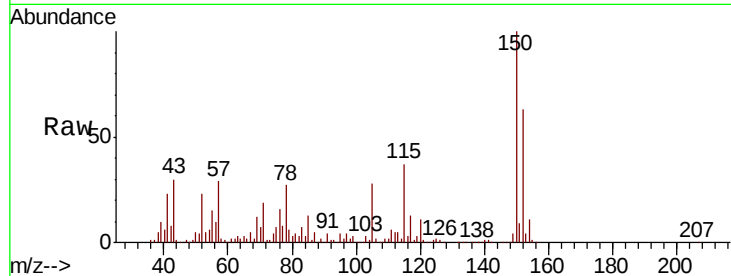


#72

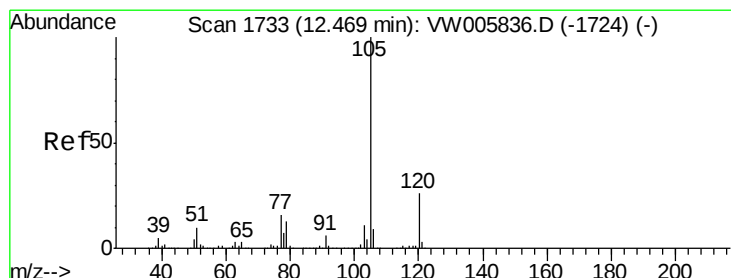
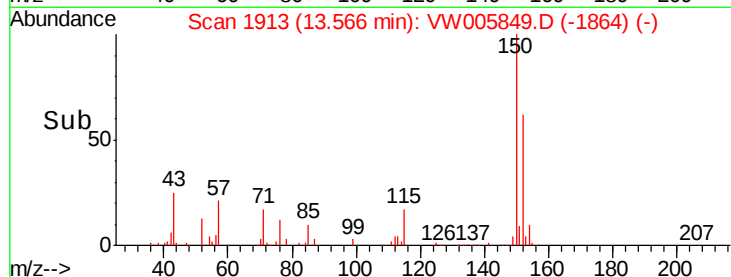
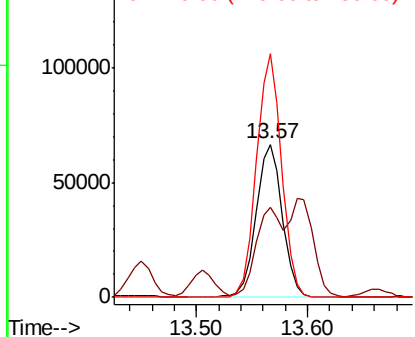
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. -0.00 min
Lab File: VW005849.D
Acq: 04 Oct 2018 10:58

Instrument :
MSVOA_W
ClientSampleId :
HR-06-100218-CRE

Tot Ion:152 Resp: 108838
Ion Ratio Lower Upper
152 100
115 58.6 29.8 89.4
150 152.4 0.0 349.4



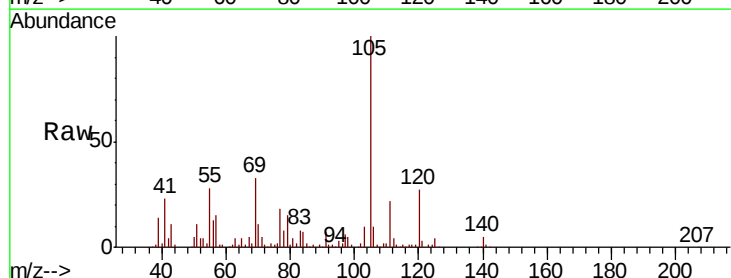
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



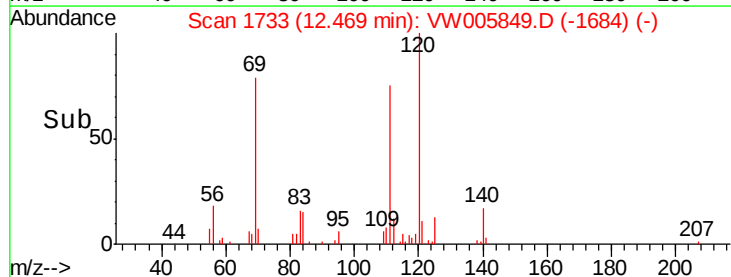
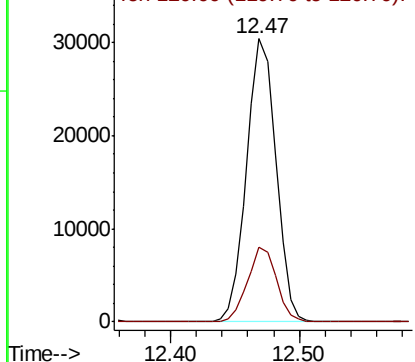
#73

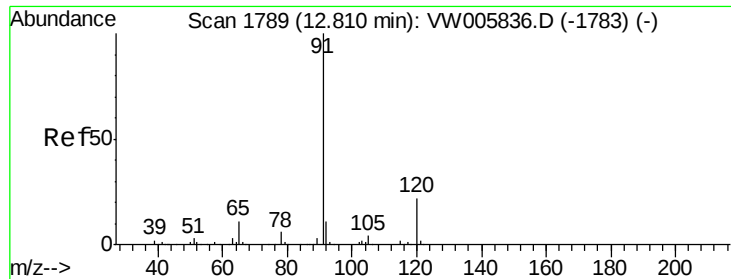
Isopropylbenzene
Concen: 6.411 ug/l
RT: 12.47 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VW005849.D
Acq: 04 Oct 2018 10:58

Tgt Ion:105 Resp: 48011
Ion Ratio Lower Upper
105 100
120 26.0 12.9 38.7



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 18.066 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VW005849.D

Acq: 04 Oct 2018 10:58

Instrument :

MSVOA_W

ClientSampleId :

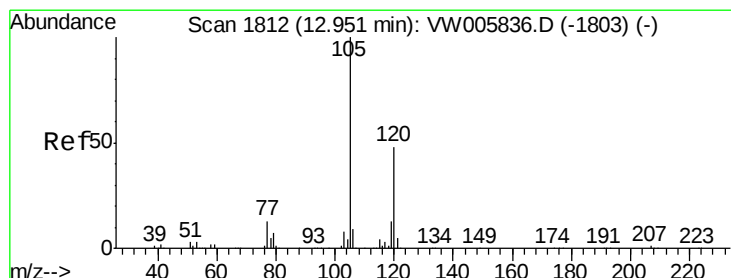
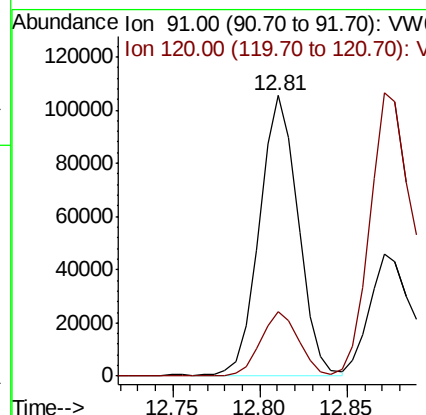
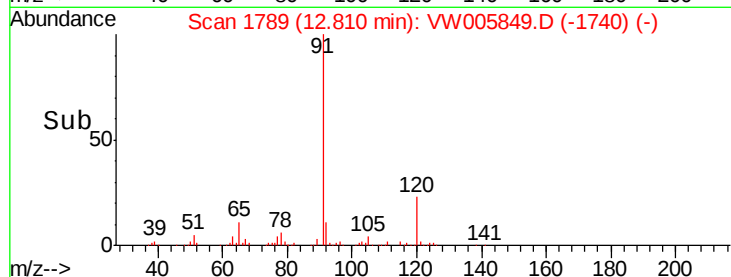
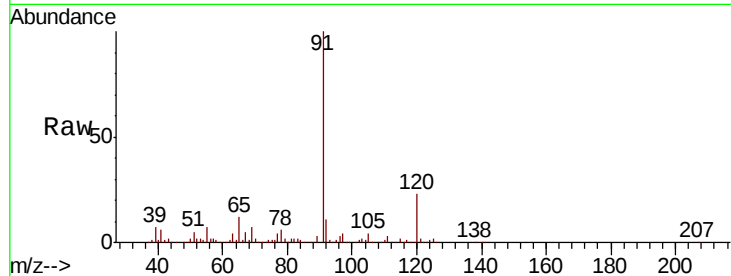
HR-06-100218-CRE

Tot Ion: 91 Resp: 160914

Ion Ratio Lower Upper

91 100

120 22.9 11.3 33.9



#80

1,3,5-Trimethylbenzene

Concen: 118.536 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. -0.00 min

Lab File: VW005849.D

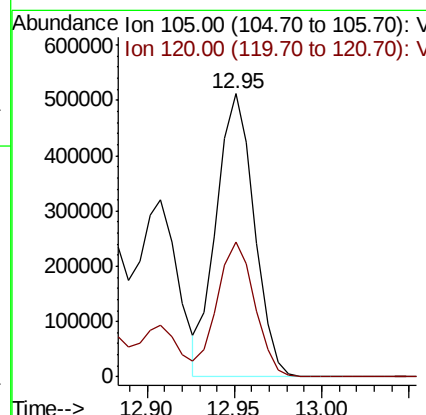
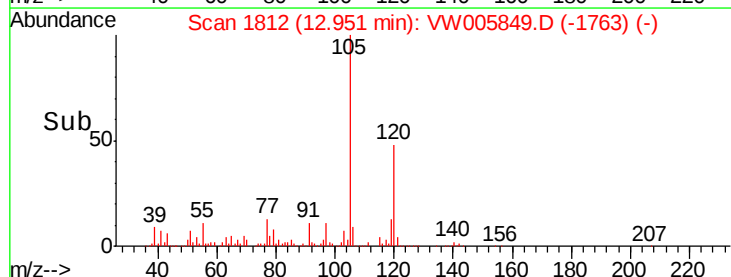
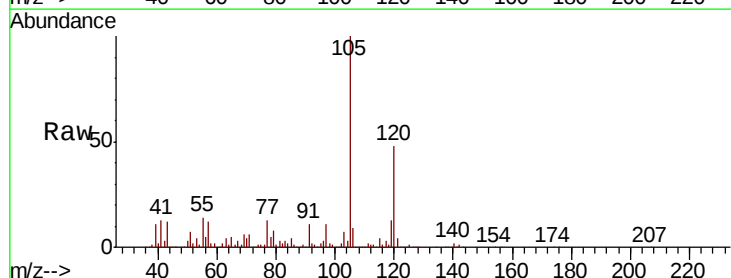
Acq: 04 Oct 2018 10:58

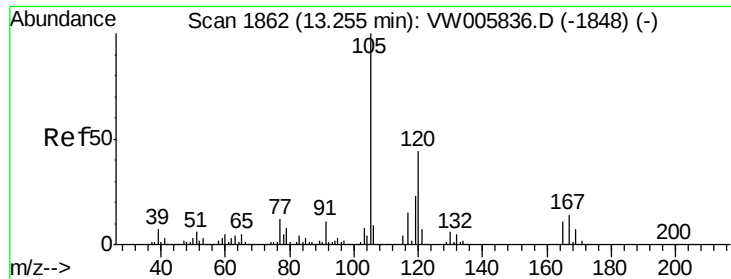
Tgt Ion:105 Resp: 770866

Ion Ratio Lower Upper

105 100

120 47.3 23.8 71.2

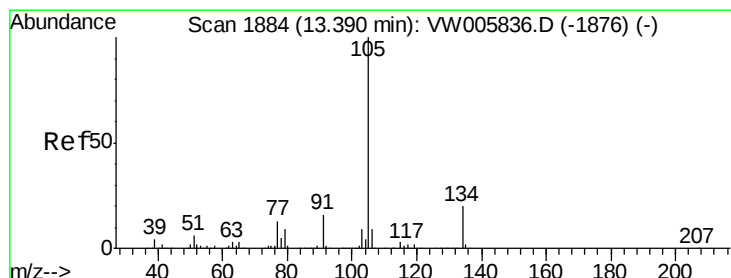
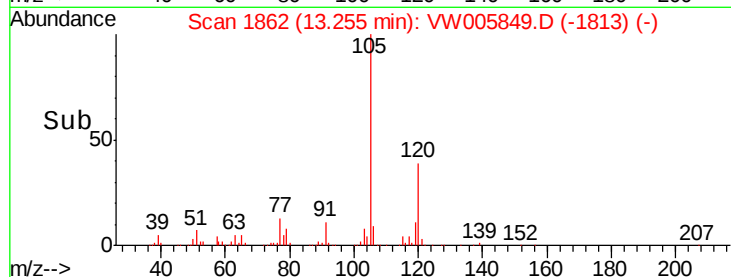
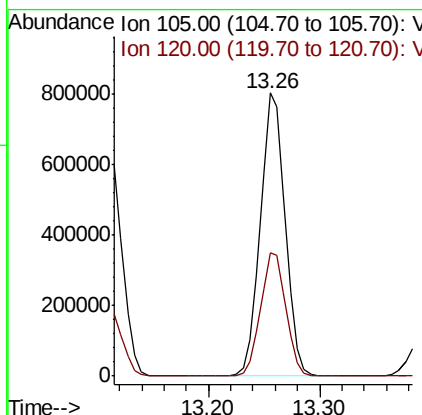
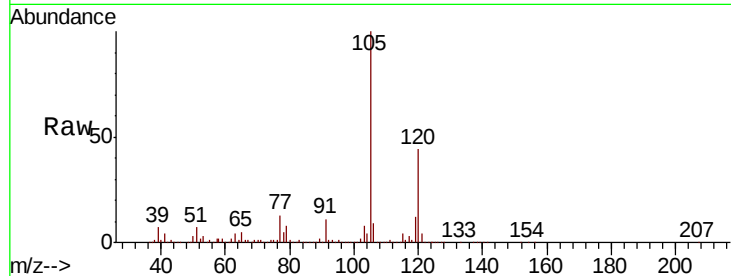




#84
 1,2,4-Trimethylbenzene
 Concen: 187.453 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW005849.D
 Acq: 04 Oct 2018 10:58

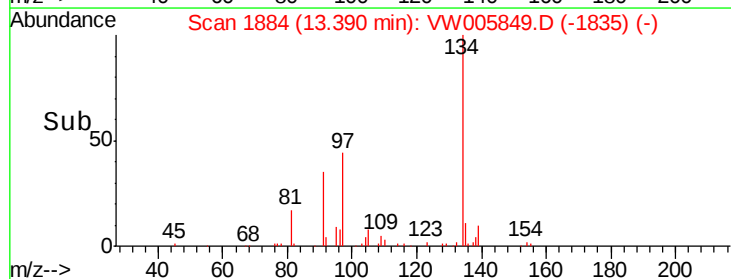
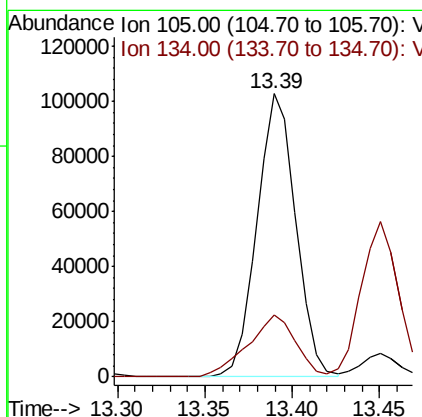
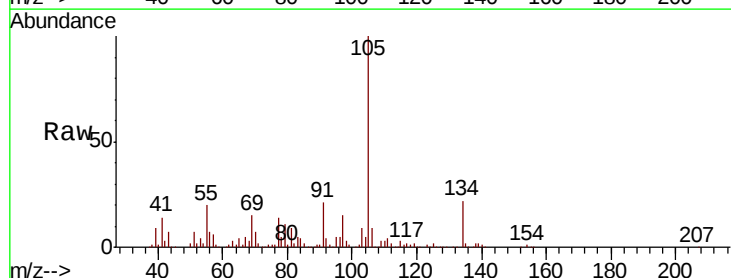
Instrument :
 MSVOA_W
 ClientSampleId :
 HR-06-100218-CRE

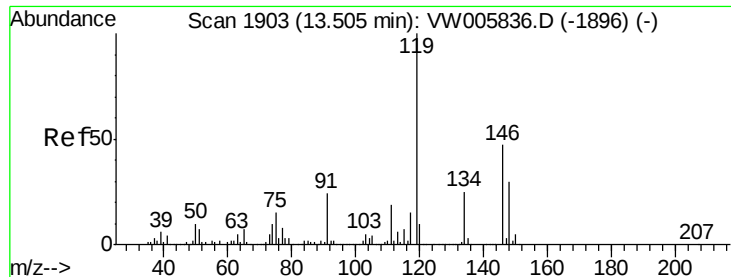
Tot Ion:105 Resp: 1251686
 Ion Ratio Lower Upper
 105 100
 120 44.4 21.9 65.7



#85
 sec-Butylbenzene
 Concen: 20.232 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. -0.00 min
 Lab File: VW005849.D
 Acq: 04 Oct 2018 10:58

Tgt Ion:105 Resp: 158390
 Ion Ratio Lower Upper
 105 100
 134 27.1 10.0 30.0

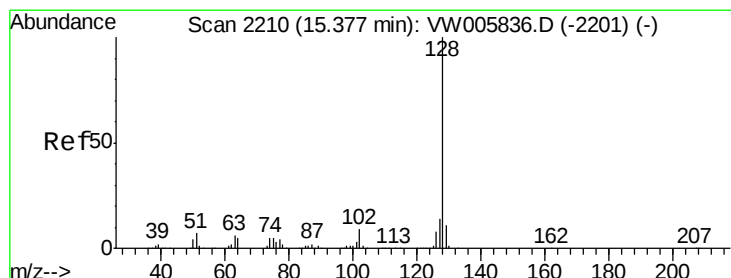
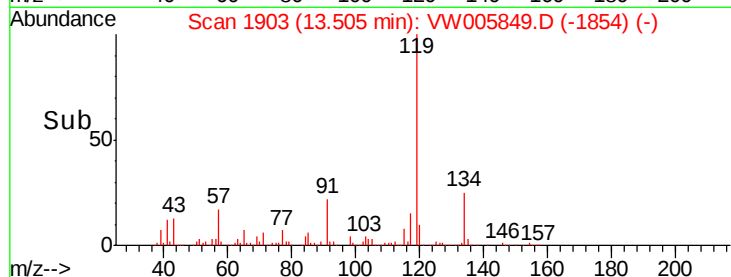
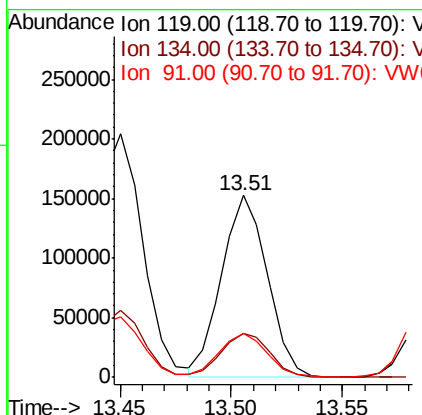
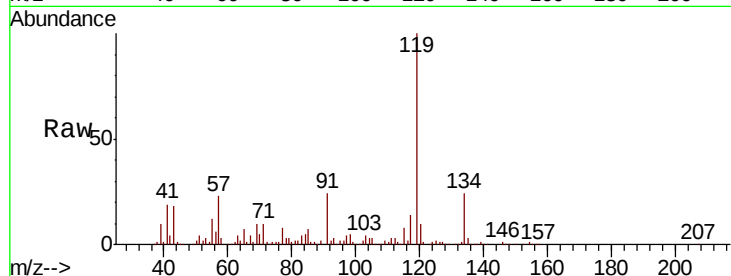




#86
p-Isopropyltoluene
Concen: 31.065 ug/l
RT: 13.51 min Scan# 1903
Delta R.T. -0.00 min
Lab File: VW005849.D
Acq: 04 Oct 2018 10:58

Instrument :
MSVOA_W
ClientSampleId :
HR-06-100218-CRE

Tot Ion:119 Resp: 218304
Ion Ratio Lower Upper
119 100
134 25.5 12.7 38.0
91 24.4 11.9 35.9



#95
Naphthalene
Concen: 27.747 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VW005849.D
Acq: 04 Oct 2018 10:58

Tgt Ion:128 Resp: 119037
Ion Ratio Lower Upper
128 100
127 16.1 10.9 16.3
129 9.0 8.9 13.3

