

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072019\
 Data File : VW011408.D
 Acq On : 20 Jul 2019 07:03
 Operator : SY/VA
 Sample : K3615-05
 Misc : 6.30G/5ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 HR-06-071719-C

Quant Time: Jul 22 09:20:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070819S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 11 08:14:17 2019
 Response via : Initial Calibration

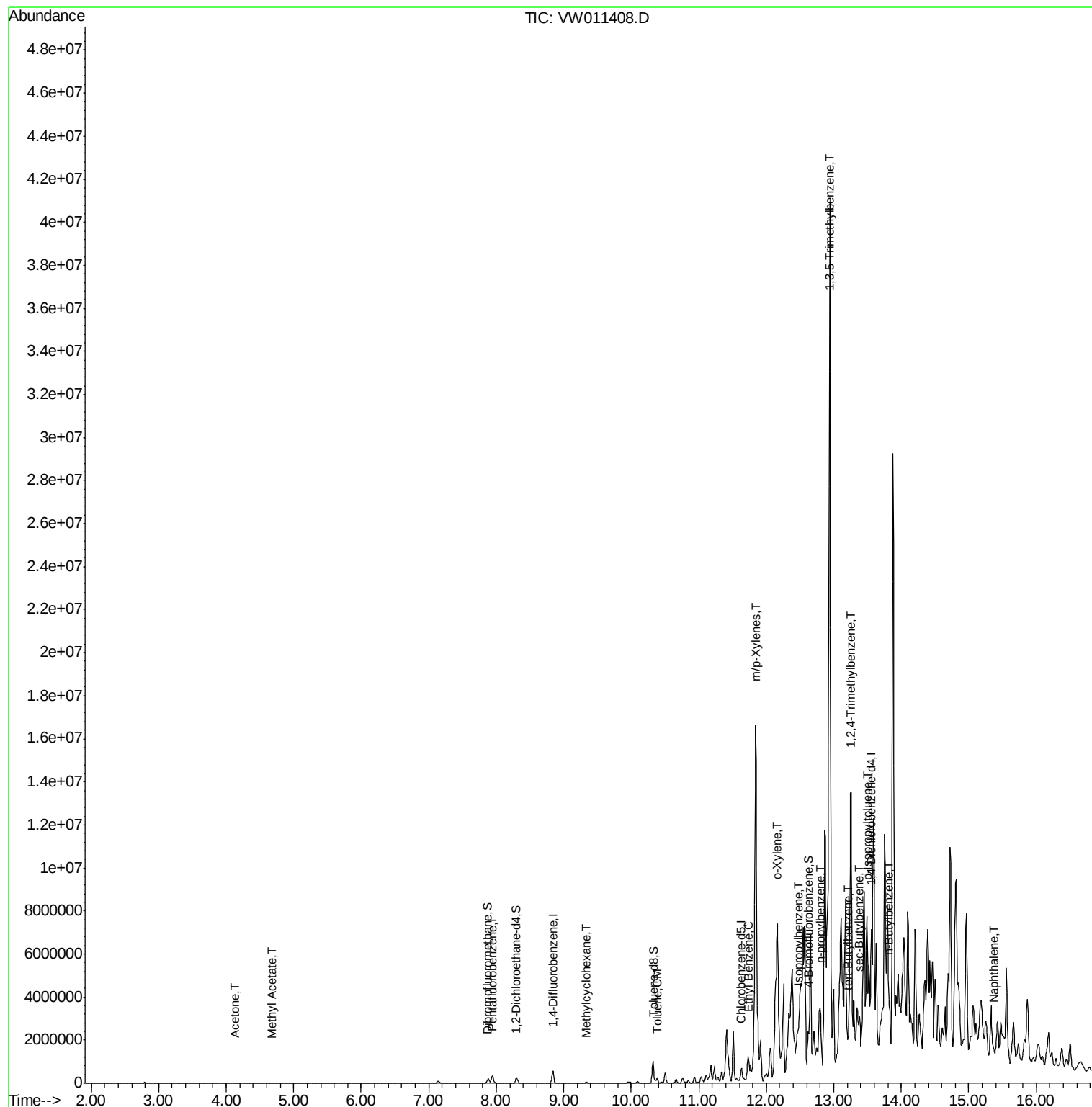
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	246324	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	444626	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	340855	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	106488	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	182372	58.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.84%	
35) Dibromofluoromethane	7.88	113	142315	53.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.40%	
50) Toluene-d8	10.32	98	547598	51.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.24%	
62) 4-Bromofluorobenzene	12.62	95	213652	54.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.82%	
Target Compounds						
					Qvalue	
16) Acetone	4.13	43	32761	43.990	ug/l	96
18) Methyl Acetate	4.67	43	7504	2.192	ug/l	99
39) Methylcyclohexane	9.34	83	13210	2.302	ug/l	96
52) Toluene	10.38	92	90126	11.354	ug/l	99
67) Ethyl Benzene	11.73	91	653396	49.252	ug/l	99
68) m/p-Xylenes	11.84	106	957765	199.520	ug/l	99
69) o-Xylene	12.16	106	1441801	318.671	ug/l	99
73) Isopropylbenzene	12.46	105	314450	39.502	ug/l	99
78) n-propylbenzene	12.80	91	1439186	146.765	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	5896870	871.962	ug/l	99
83) tert-Butylbenzene	13.21	119	48277	8.560	ug/l	89
84) 1,2,4-Trimethylbenzene	13.26	105	6473158	953.254	ug/l	99
85) sec-Butylbenzene	13.38	105	493816	60.678	ug/l #	69
86) p-Isopropyltoluene	13.50	119	586982	80.415	ug/l	100
89) n-Butylbenzene	13.82	91	889668	122.178	ug/l #	79
95) Naphthalene	15.37	128	160410	38.975	ug/l #	88

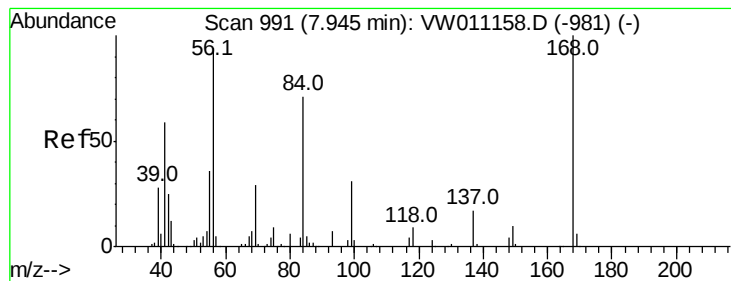
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW072019\
Data File : VW011408.D
Acq On : 20 Jul 2019 07:03
Operator : SY/VA
Sample : K3615-05
Misc : 6.30G/5ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
HR-06-071719-C

Quant Time: Jul 22 09:20:26 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W070819S.M
Quant Title : SW846 8260
QLast Update : Thu Jul 11 08:14:17 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: VW011408.D

Acq: 20 Jul 2019 07:03

Instrument :

MSVOA_W

ClientSampleId :

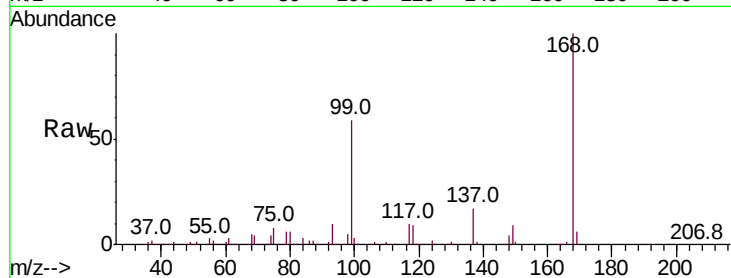
HR-06-071719-C

Tot Ion:168 Resp: 246324

Ion Ratio Lower Upper

168 100

99 58.8 50.1 75.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

60000

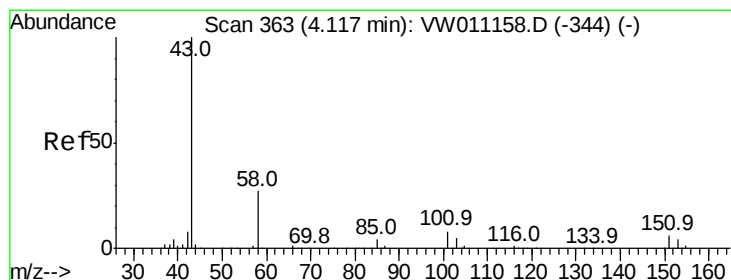
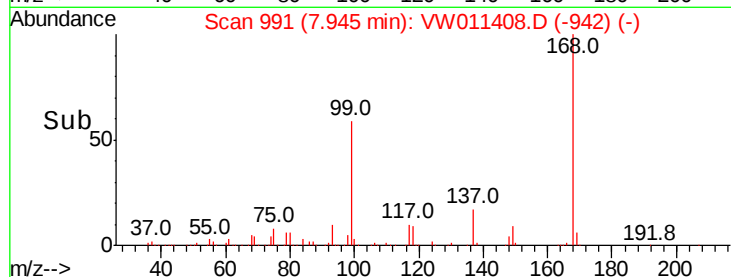
40000

20000

0

7.90 8.00

Time-->



#16

Acetone

Concen: 43.990 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW011408.D

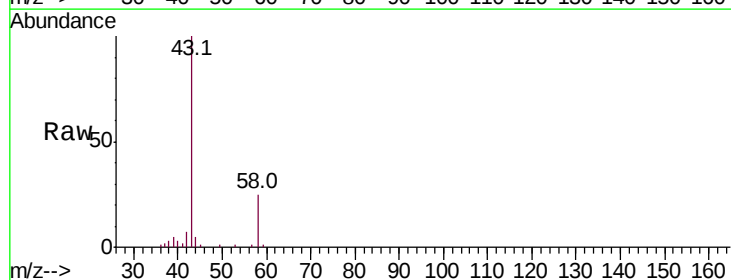
Acq: 20 Jul 2019 07:03

Tgt Ion: 43 Resp: 32761

Ion Ratio Lower Upper

43 100

58 24.9 21.8 32.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.13

12000

10000

8000

6000

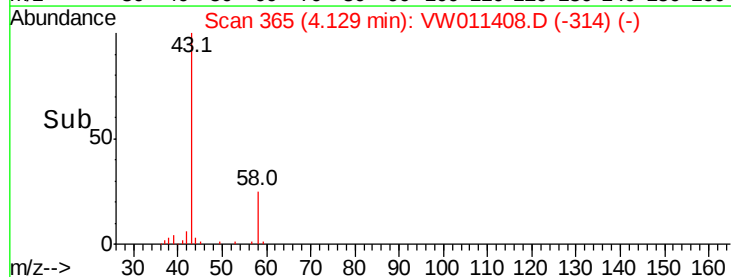
4000

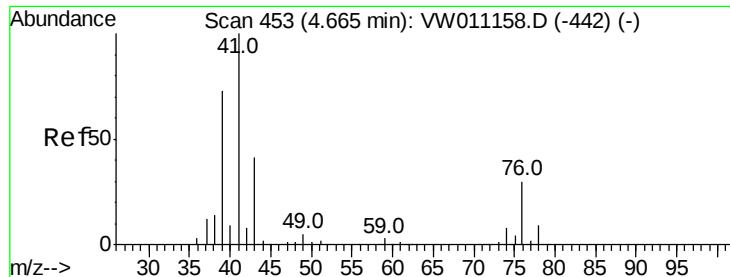
2000

0

4.00 4.10 4.20

Time-->

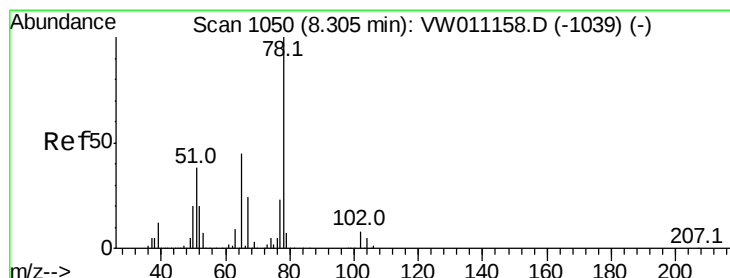
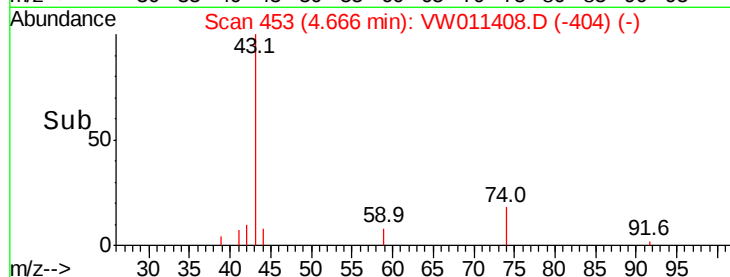
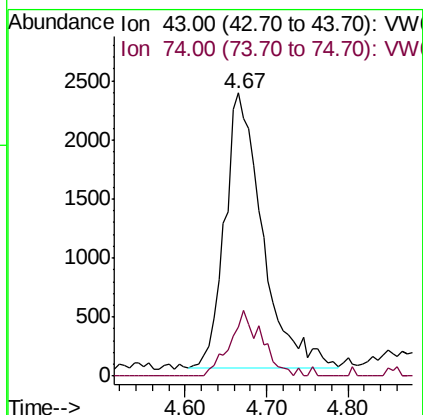
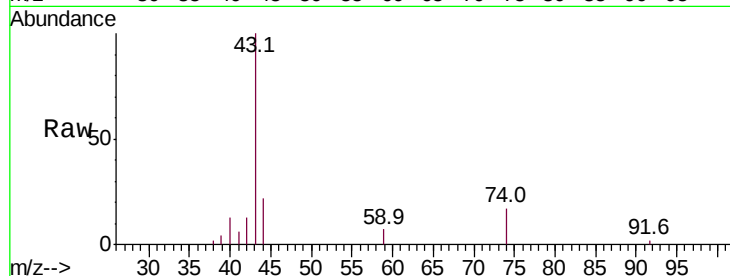




#18
Methyl Acetate
Concen: 2.192 ug/l
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW011408.D
Acq: 20 Jul 2019 07:03

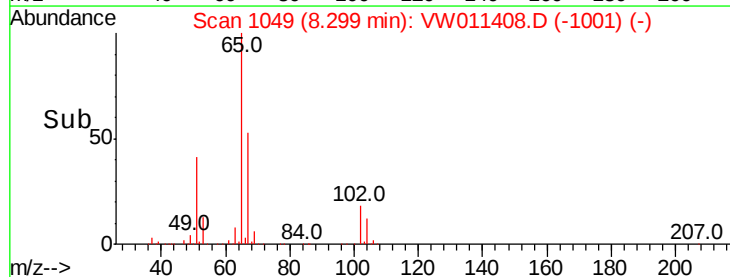
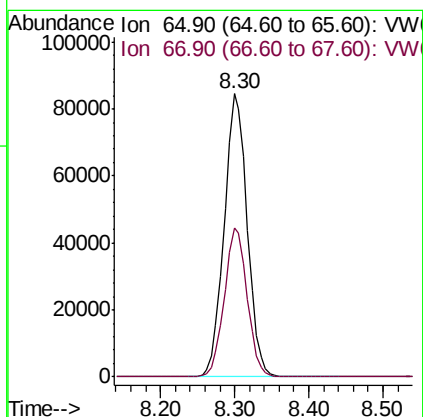
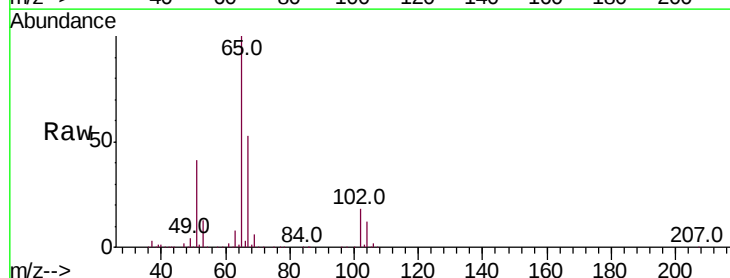
Instrument :
MSVOA_W
ClientSampled :
HR-06-071719-C

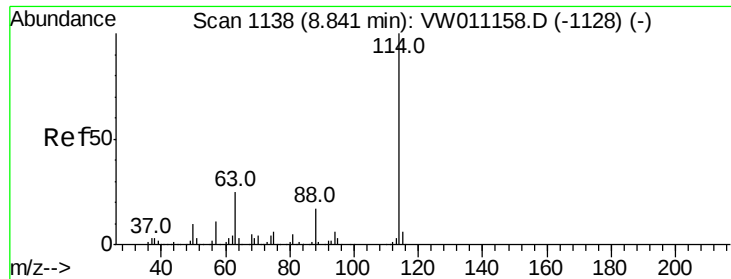
Tot Ion: 43 Resp: 7504
Ion Ratio Lower Upper
43 100
74 20.0 15.7 23.5



#33
1,2-Dichloroethane-d4
Concen: 58.922 ug/l
RT: 8.30 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VW011408.D
Acq: 20 Jul 2019 07:03

Tgt Ion: 65 Resp: 182372
Ion Ratio Lower Upper
65 100
67 52.2 0.0 104.4

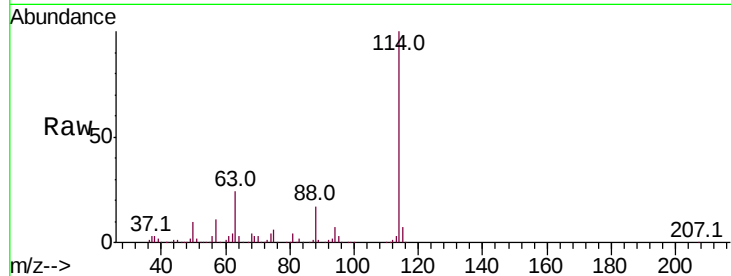




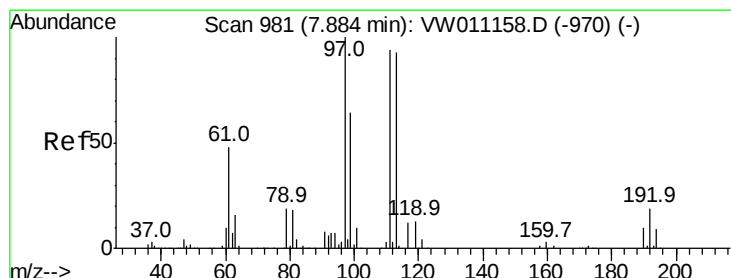
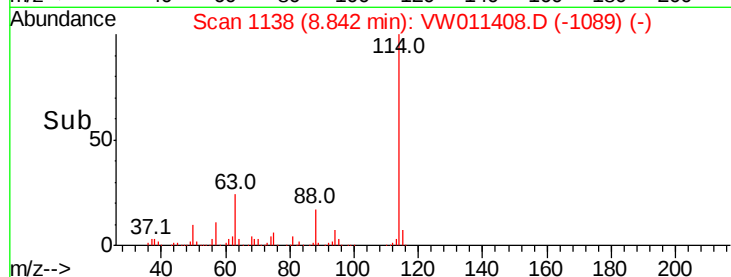
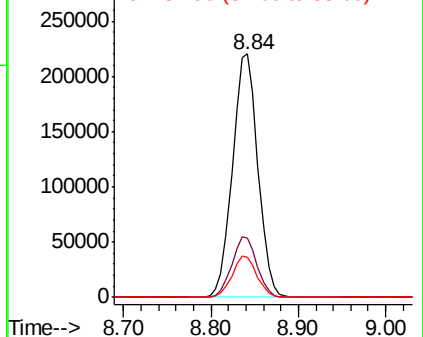
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. 0.00 min
Lab File: VW011408.D
Acq: 20 Jul 2019 07:03

Instrument :
MSVOA_W
ClientSampleId :
HR-06-071719-C

Tot Ion:114 Resp: 444626
Ion Ratio Lower Upper
114 100
63 24.4 0.0 50.8
88 16.5 0.0 34.2

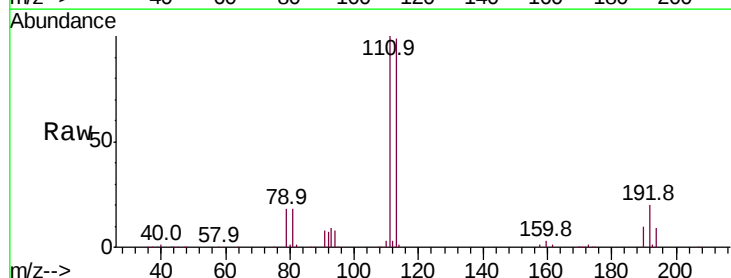


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VW
Ion 87.90 (87.60 to 88.60): VW

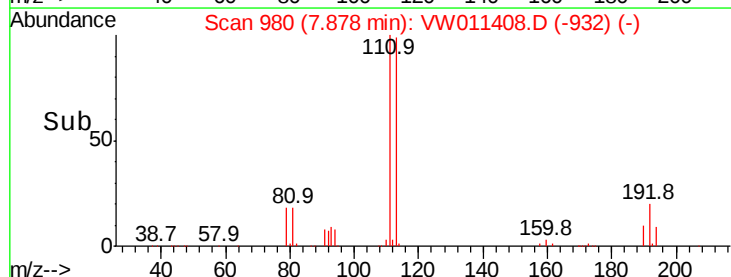
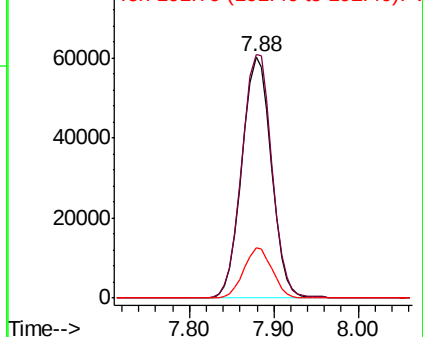


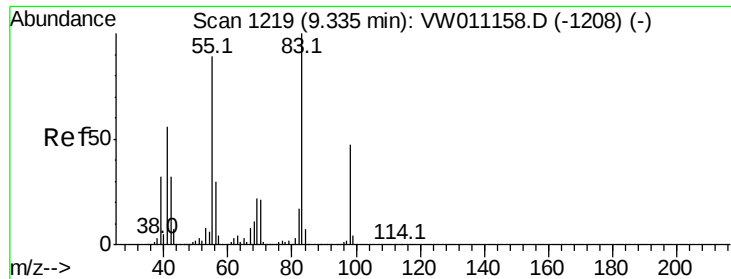
#35
Dibromofluoromethane
Concen: 53.700 ug/l
RT: 7.88 min Scan# 980
Delta R.T. -0.01 min
Lab File: VW011408.D
Acq: 20 Jul 2019 07:03

Tgt Ion:113 Resp: 142315
Ion Ratio Lower Upper
113 100
111 103.1 82.4 123.6
192 20.1 15.8 23.8



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

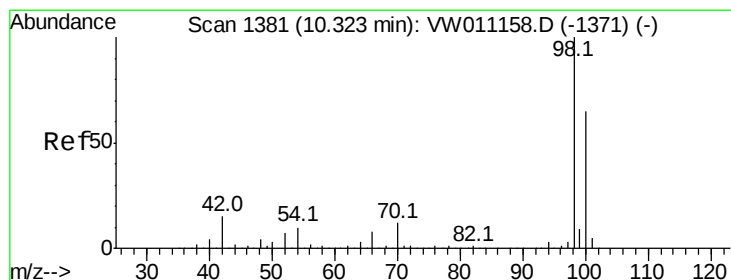
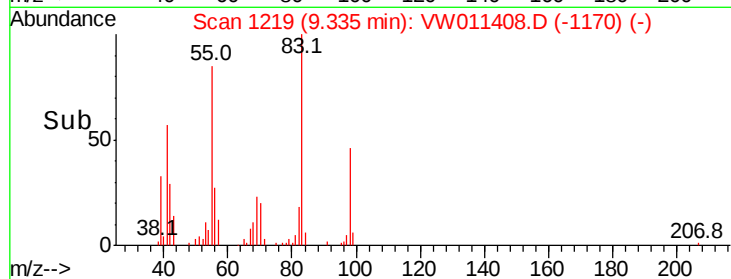
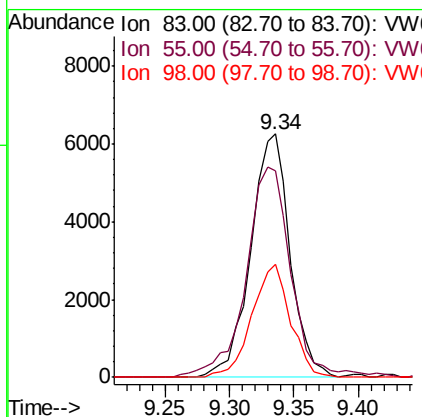
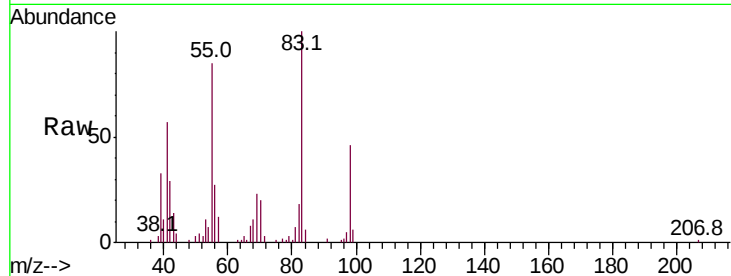




#39
Methvlcvclohexane
Concen: 2.302 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW011408.D
Acq: 20 Jul 2019 07:03

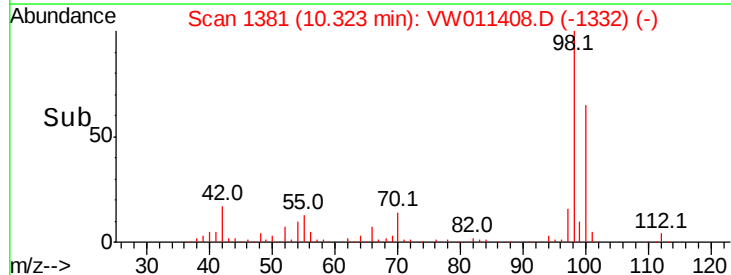
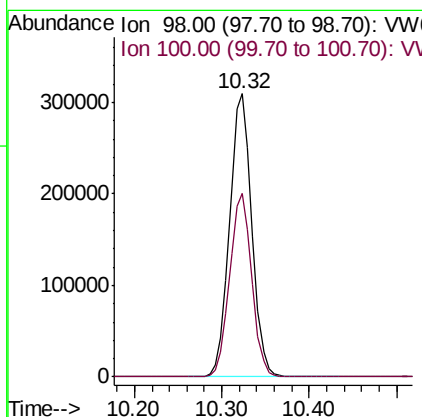
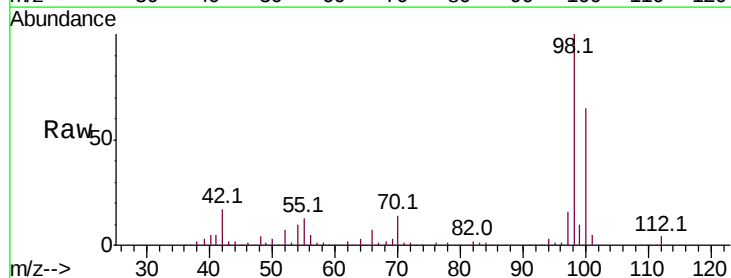
Instrument :
MSVOA_W
ClientSampleId :
HR-06-071719-C

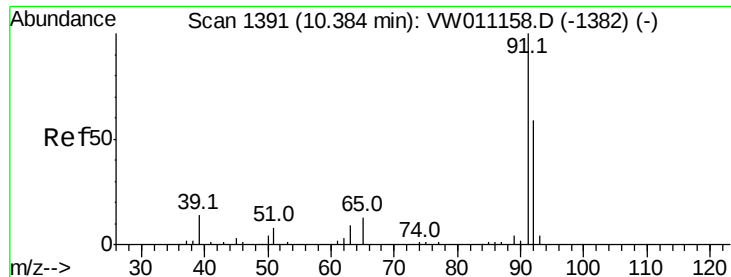
Tot Ion: 83 Resp: 13210
Ion Ratio Lower Upper
83 100
55 83.2 71.2 106.8
98 46.5 37.5 56.3



#50
Toluene-d8
Concen: 51.118 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW011408.D
Acq: 20 Jul 2019 07:03

Tgt Ion: 98 Resp: 547598
Ion Ratio Lower Upper
98 100
100 64.1 52.4 78.6





#52

Toluene

Concen: 11.354 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW011408.D

Acq: 20 Jul 2019 07:03

Instrument :

MSVOA_W

ClientSampleId :

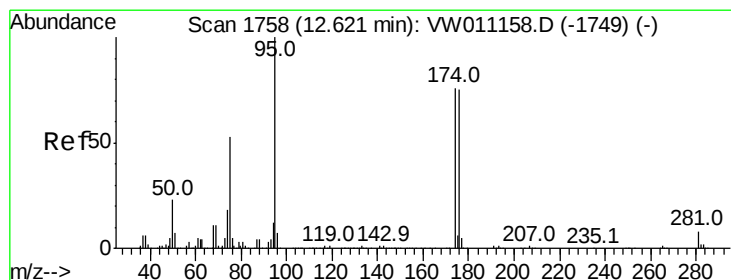
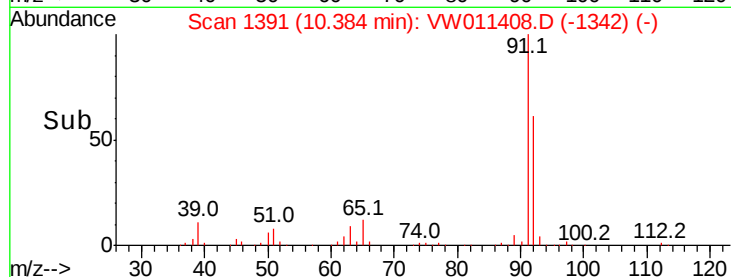
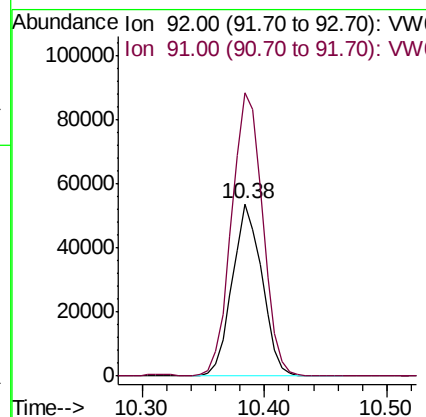
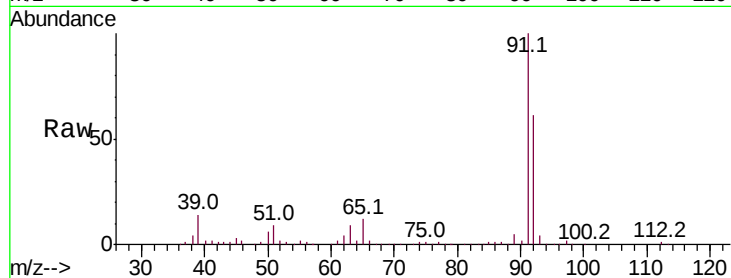
HR-06-071719-C

Tot Ion: 92 Resp: 90126

Ion Ratio Lower Upper

92 100

91 171.9 136.6 205.0



#62

4-Bromofluorobenzene

Concen: 54.413 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.01 min

Lab File: VW011408.D

Acq: 20 Jul 2019 07:03

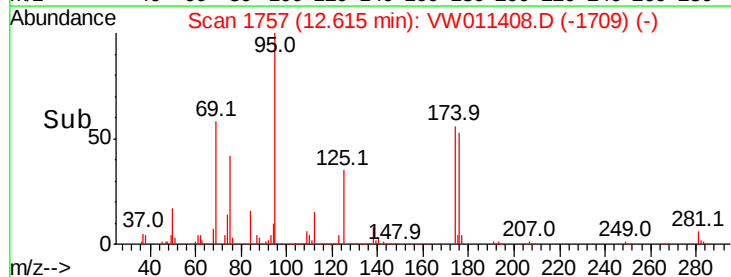
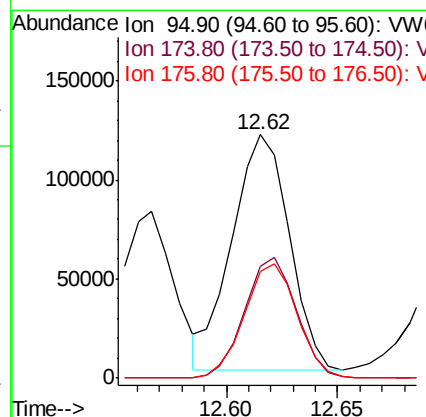
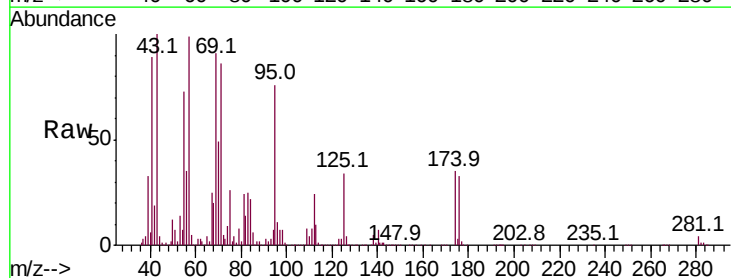
Tgt Ion: 95 Resp: 213652

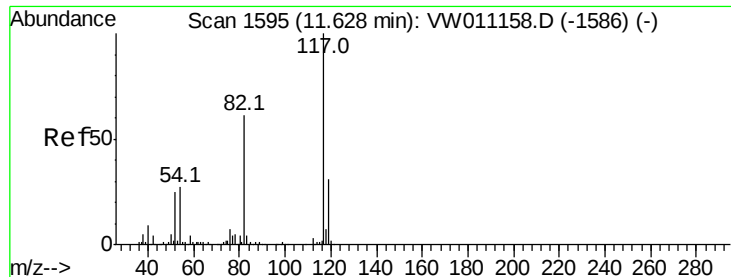
Ion Ratio Lower Upper

95 100

174 46.5 0.0 147.6

176 44.7 0.0 144.6

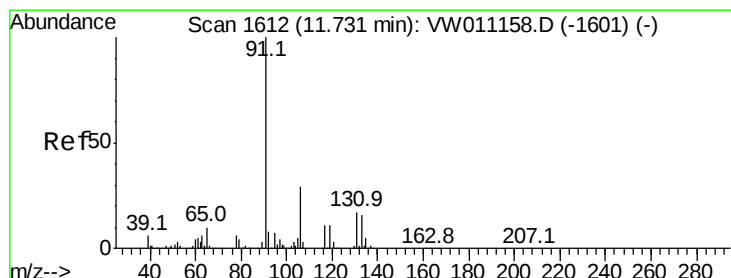
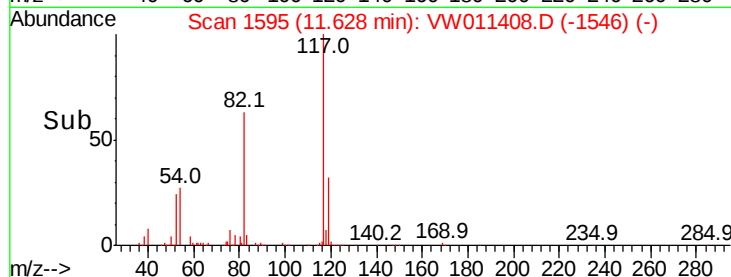
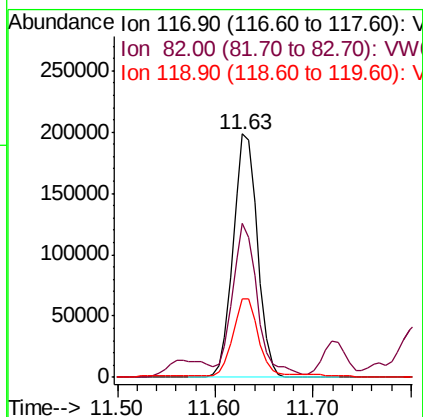
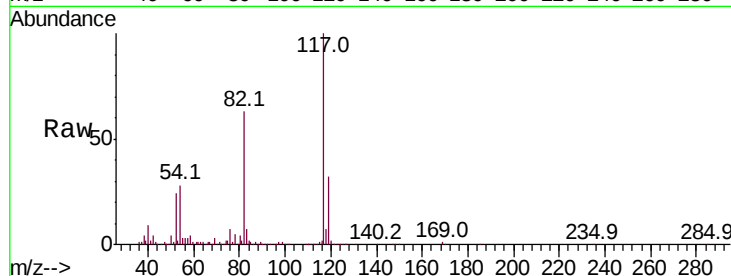




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW011408.D
Acq: 20 Jul 2019 07:03

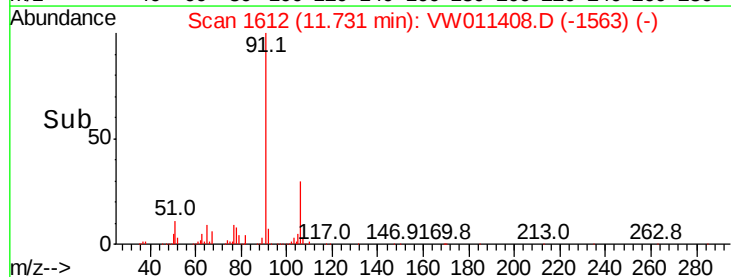
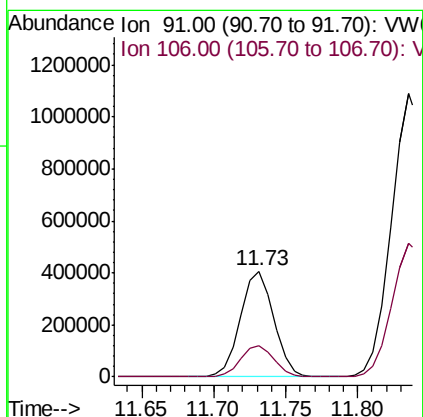
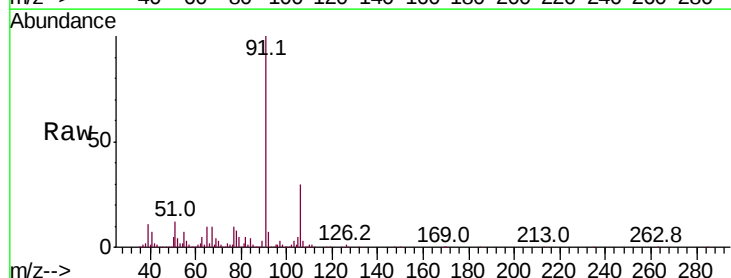
Instrument :
MSVOA_W
ClientSampleId :
HR-06-071719-C

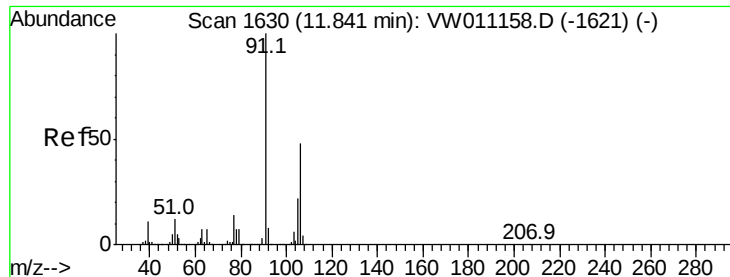
Tot Ion:117 Resp: 340855
Ion Ratio Lower Upper
117 100
82 56.5 48.9 73.3
119 31.3 25.0 37.6



#67
Ethyl Benzene
Concen: 49.252 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW011408.D
Acq: 20 Jul 2019 07:03

Tgt Ion: 91 Resp: 653396
Ion Ratio Lower Upper
91 100
106 29.9 23.5 35.3





#68

m/p-Xylenes

Concen: 199.520 ug/l

RT: 11.84 min Scan# 1629

Delta R.T. -0.01 min

Lab File: VW011408.D

Acq: 20 Jul 2019 07:03

Instrument :

MSVOA_W

ClientSampleId :

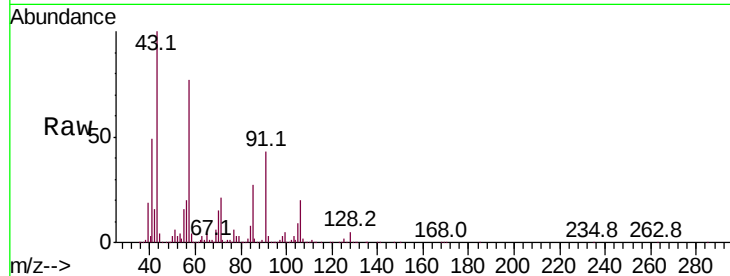
HR-06-071719-C

Tot Ion:106 Resp: 957765

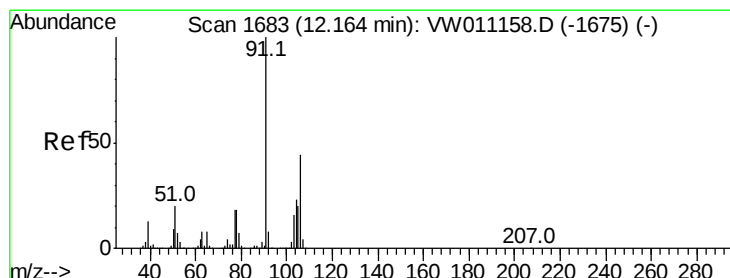
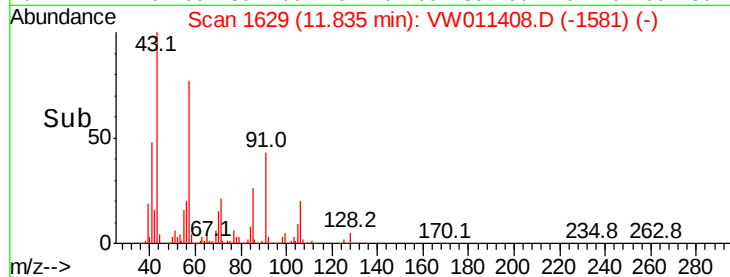
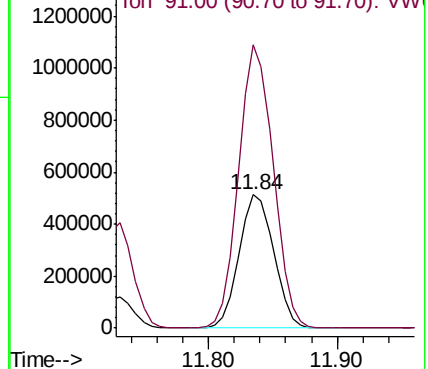
Ion Ratio Lower Upper

106 100

91 211.2 167.7 251.5



Abundance Ion 106.00 (105.70 to 106.70): V



#69

o-Xylene

Concen: 318.671 ug/l

RT: 12.16 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW011408.D

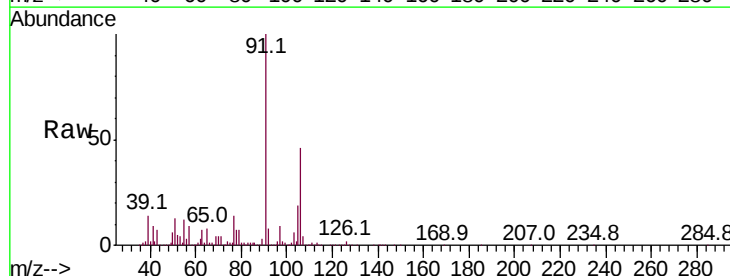
Acq: 20 Jul 2019 07:03

Tgt Ion:106 Resp: 1441801

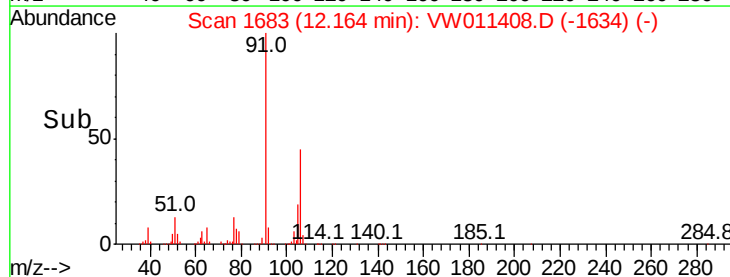
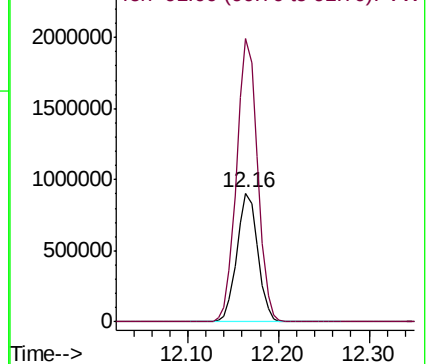
Ion Ratio Lower Upper

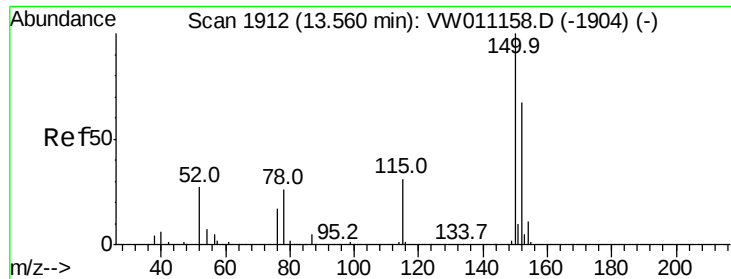
106 100

91 222.2 110.7 332.1



Abundance Ion 106.00 (105.70 to 106.70): 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: VW011408.D

Acq: 20 Jul 2019 07:03

Instrument :

MSVOA_W

ClientSampleId :

HR-06-071719-C

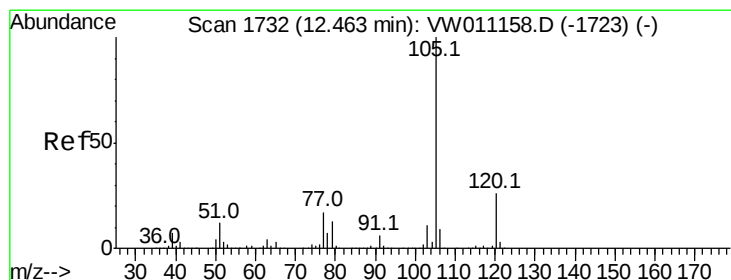
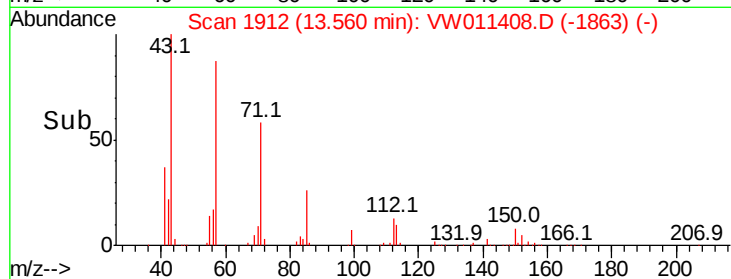
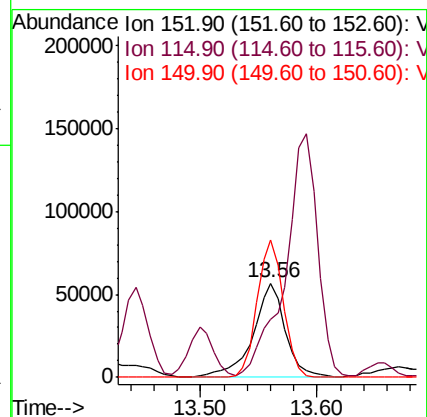
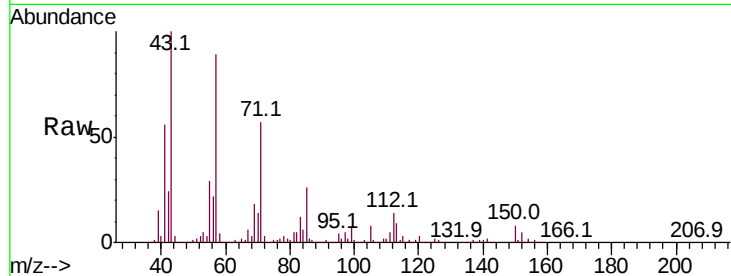
Tot Ion:152 Resp: 106488

Ion Ratio Lower Upper

152 100

115 0.0 30.1 90.3#

150 121.6 0.0 346.0



#73

Isopropylbenzene

Concen: 39.502 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW011408.D

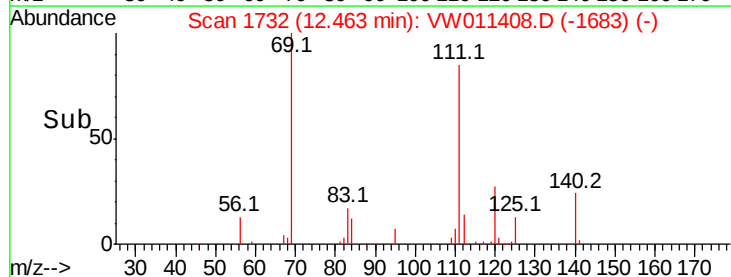
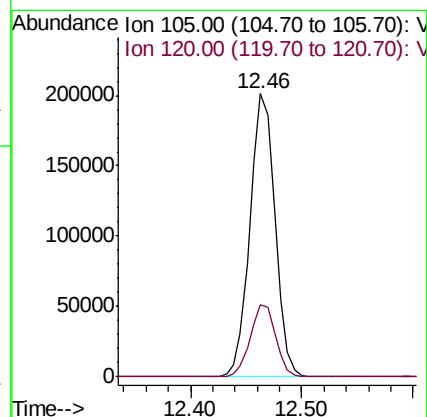
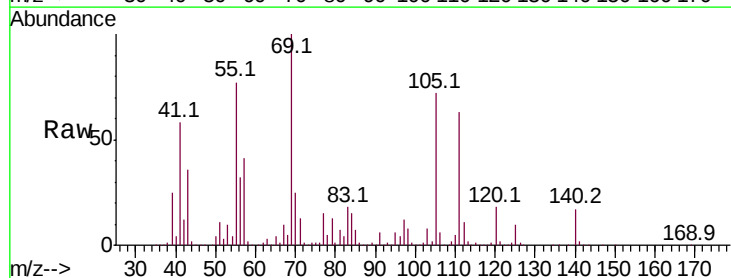
Acq: 20 Jul 2019 07:03

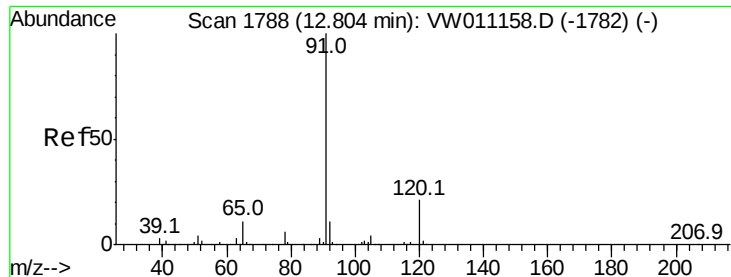
Tgt Ion:105 Resp: 314450

Ion Ratio Lower Upper

105 100

120 25.9 12.8 38.3

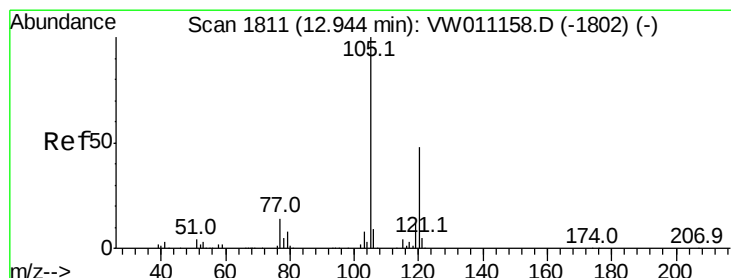
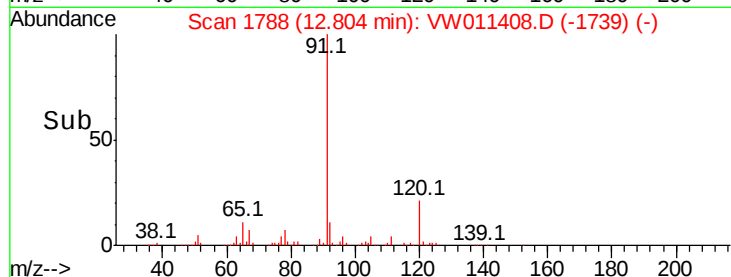
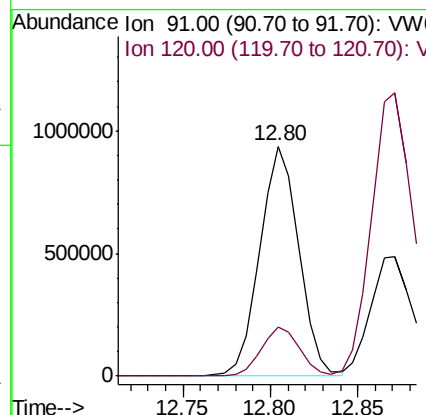
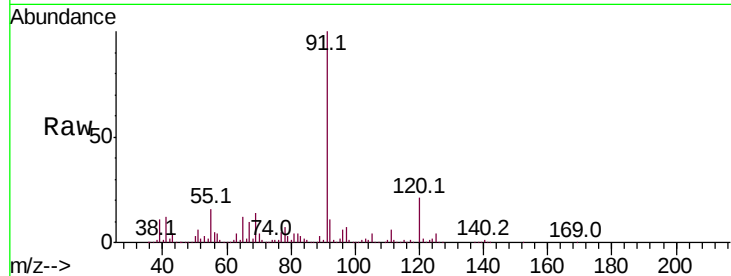




#78
n-propylbenzene
Concen: 146.765 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. 0.00 min
Lab File: VW011408.D
Acq: 20 Jul 2019 07:03

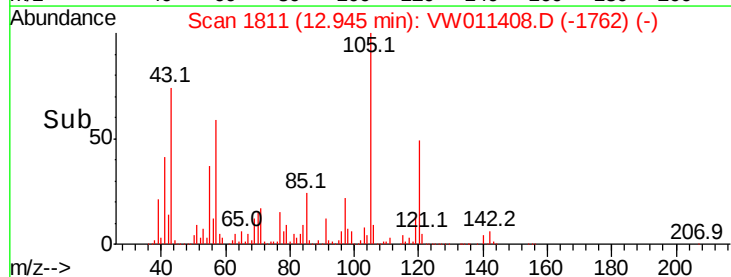
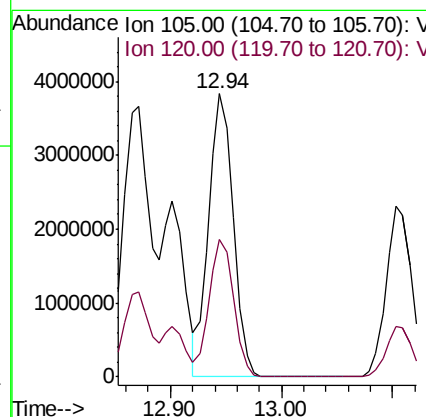
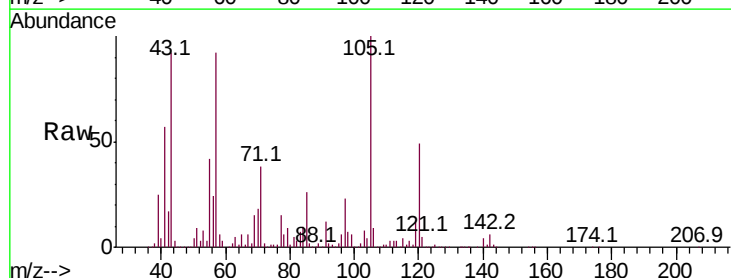
Instrument :
MSVOA_W
ClientSampled :
HR-06-071719-C

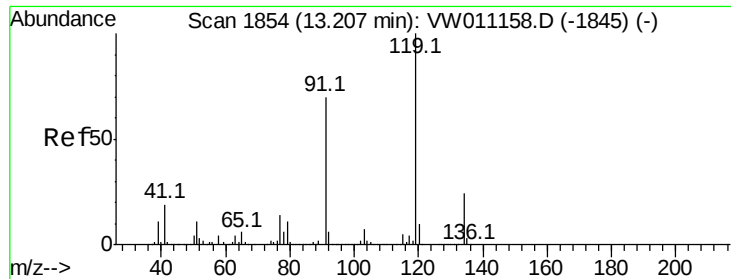
Tot Ion: 91 Resp: 1439186
Ion Ratio Lower Upper
91 100
120 21.3 10.8 32.3



#80
1,3,5-Trimethylbenzene
Concen: 871.962 ug/l
RT: 12.94 min Scan# 1811
Delta R.T. 0.00 min
Lab File: VW011408.D
Acq: 20 Jul 2019 07:03

Tgt Ion:105 Resp: 5896870
Ion Ratio Lower Upper
105 100
120 48.6 24.1 72.2

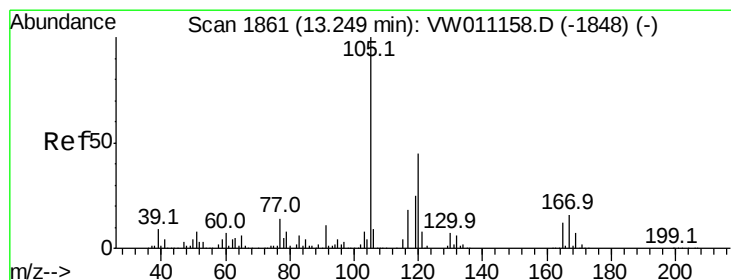
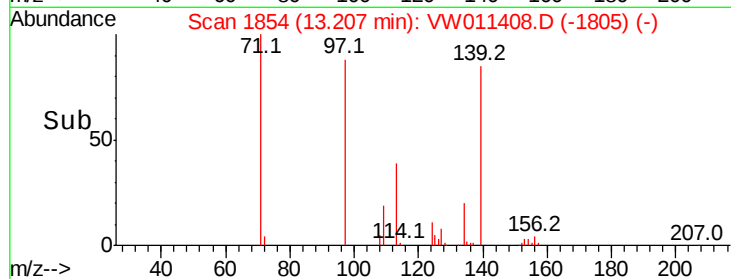
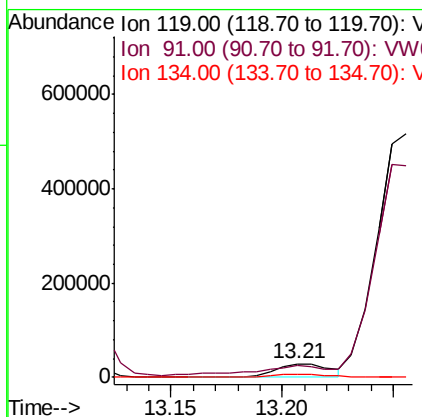
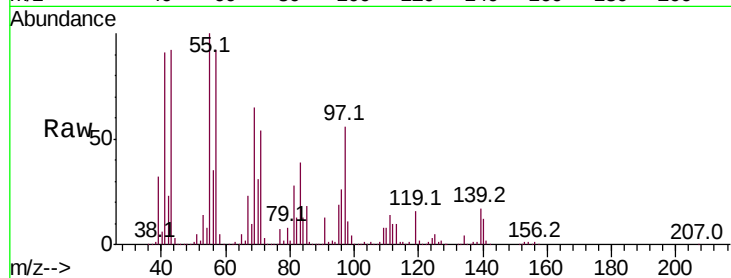




#83
tert-Butylbenzene
Concen: 8.560 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW011408.D
Acq: 20 Jul 2019 07:03

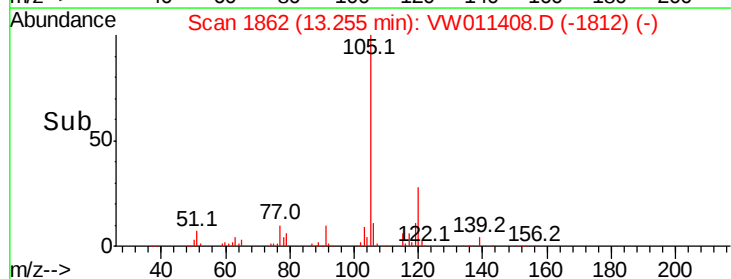
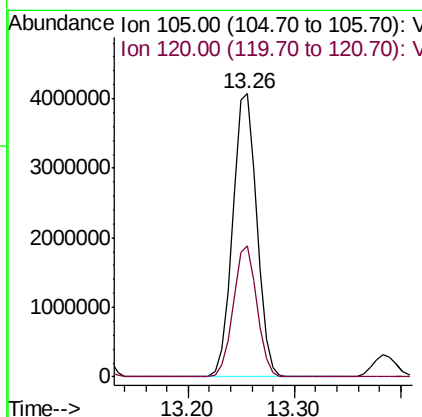
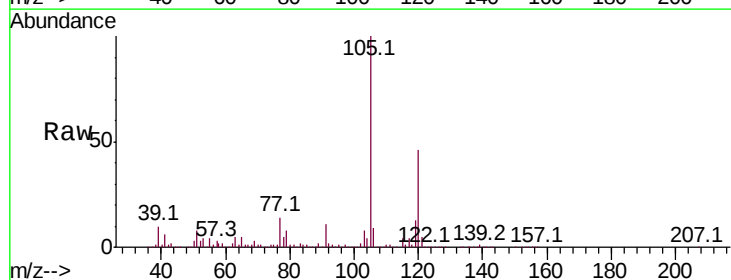
Instrument :
MSVOA_W
ClientSampleId :
HR-06-071719-C

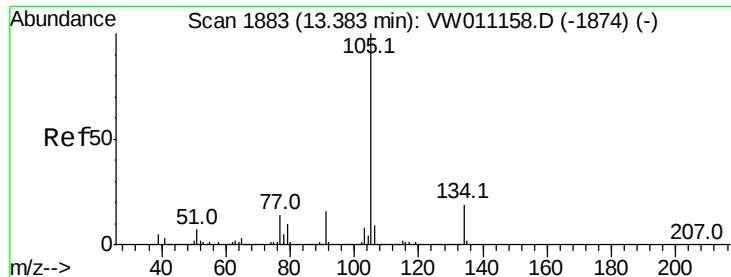
Tot Ion:119 Resp: 48277
Ion Ratio Lower Upper
119 100
91 82.2 35.4 106.3
134 24.2 13.4 40.2



#84
1,2,4-Trimethylbenzene
Concen: 953.254 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.01 min
Lab File: VW011408.D
Acq: 20 Jul 2019 07:03

Tgt Ion:105 Resp: 6473158
Ion Ratio Lower Upper
105 100
120 45.5 22.3 66.9

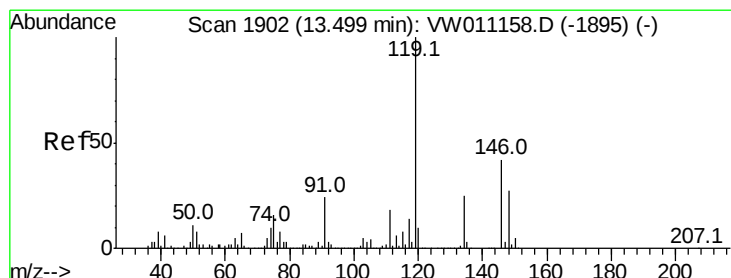
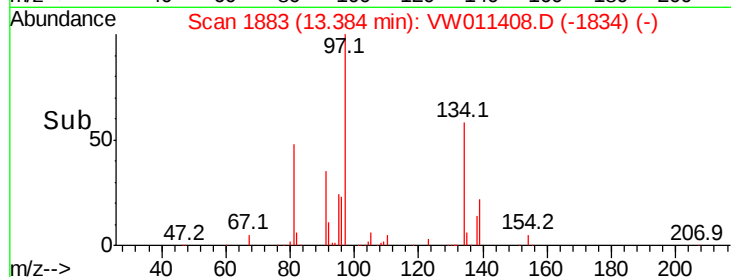
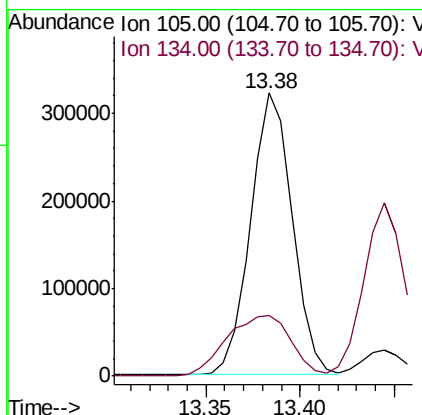
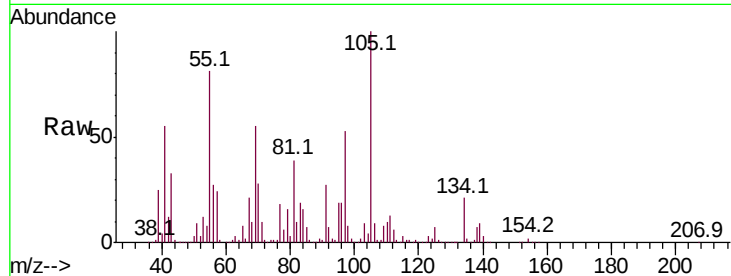




#85
 sec-Butylbenzene
 Concen: 60.678 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW011408.D
 Acq: 20 Jul 2019 07:03

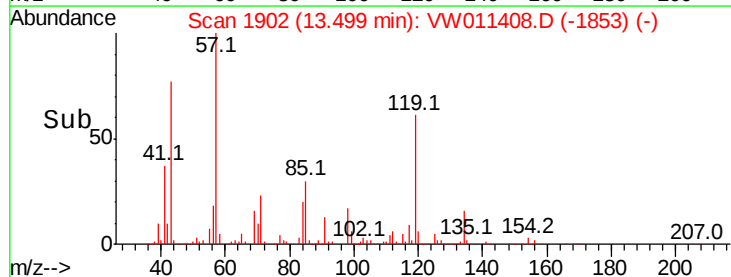
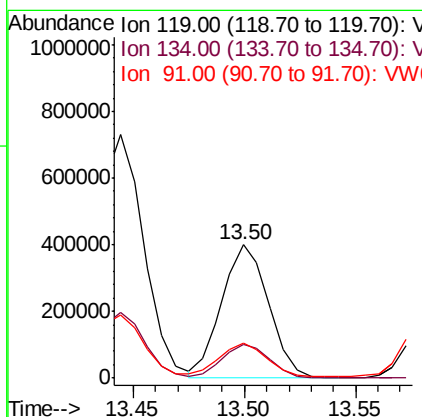
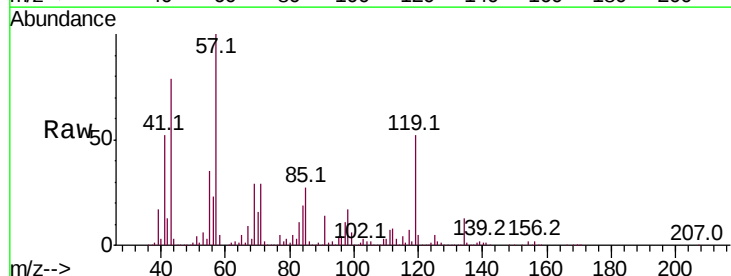
Instrument :
 MSVOA_W
 ClientSampleId :
 HR-06-071719-C

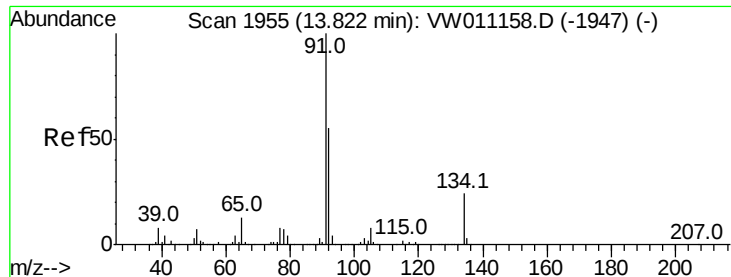
Tot Ion:105 Resp: 493816
 Ion Ratio Lower Upper
 105 100
 134 33.3 9.7 28.9#



#86
 p-Isopropyltoluene
 Concen: 80.415 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW011408.D
 Acq: 20 Jul 2019 07:03

Tgt Ion:119 Resp: 586982
 Ion Ratio Lower Upper
 119 100
 134 25.5 12.9 38.6
 91 24.5 12.3 36.8





#89

n-Butylbenzene

Concen: 122.178 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW011408.D

Acq: 20 Jul 2019 07:03

Instrument :

MSVOA_W

ClientSampleId :

HR-06-071719-C

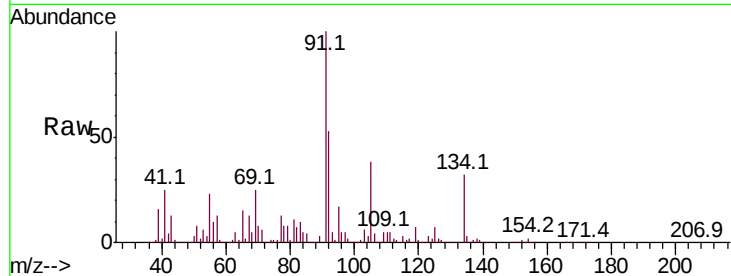
Tot Ion: 91 Resp: 889668

Ion Ratio Lower Upper

91 100

92 59.8 26.9 80.7

134 0.0 12.2 36.4#

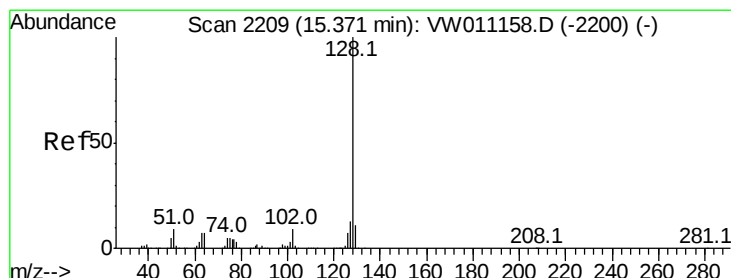
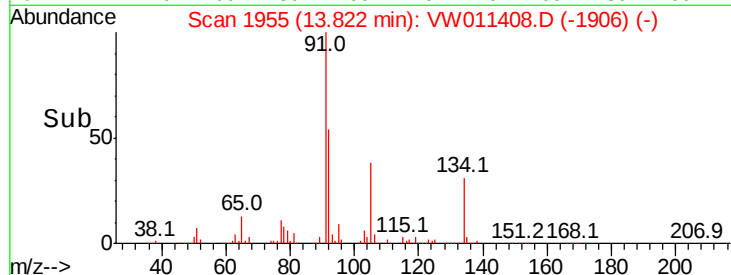
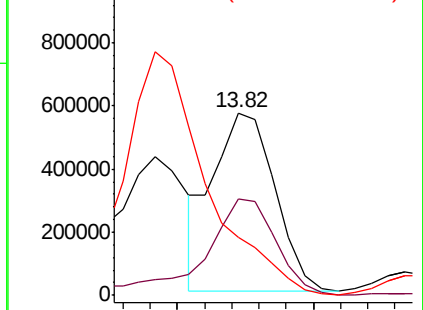


Abundance

Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#95

Naphthalene

Concen: 38.975 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW011408.D

Acq: 20 Jul 2019 07:03

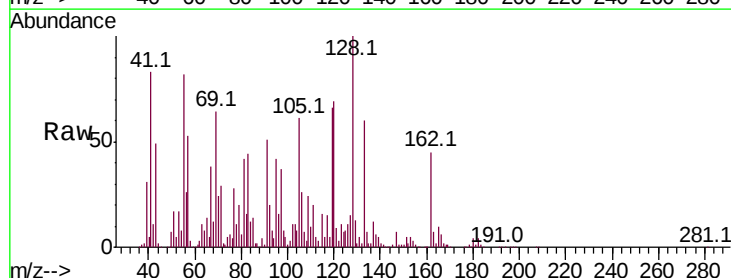
Tgt Ion:128 Resp: 160410

Ion Ratio Lower Upper

128 100

127 8.9 10.6 16.0#

129 5.9 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

