

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN073018\
 Data File : VN050187.D
 Acq On : 30 Jul 2018 15:09
 Operator : MD\SY
 Sample : J4184-03DL 10X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-6BDL

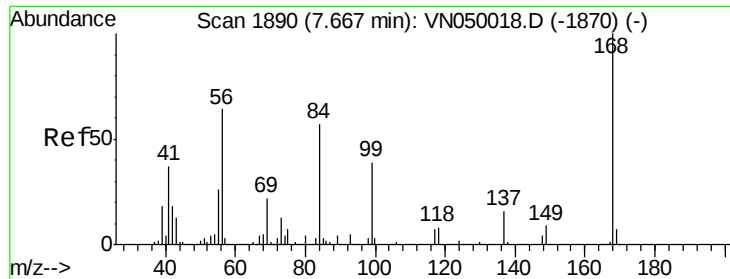
Quant Time: Jul 31 03:15:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 26 18:10:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	639342	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1049854	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	879220	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	399022	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	447274	50.14	ug/l	0.00
Spiked Amount			Recovery	=	100.28%	
35) Dibromofluoromethane	7.59	113	401382	46.83	ug/l	0.00
Spiked Amount			Recovery	=	93.66%	
50) Toluene-d8	10.09	98	1418716	45.02	ug/l	0.00
Spiked Amount			Recovery	=	90.04%	
62) 4-Bromofluorobenzene	12.40	95	428521	41.30	ug/l	0.00
Spiked Amount			Recovery	=	82.60%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.82	43	13717	2.22	ug/l	# 84
25) 2-Butanone	6.84	43	9810	2.88	ug/l	# 88
40) Benzene	8.04	78	7741	0.22	ug/l	93
52) Toluene	10.16	92	42128	1.98	ug/l	98
67) Ethyl Benzene	11.51	91	98953	2.77	ug/l	99
68) m/p-Xylenes	11.62	106	98526	7.30	ug/l	98
69) o-Xylene	11.95	106	54936	4.27	ug/l	94
70) Styrene	11.97	104	33708	2.37	ug/l	# 81
73) Isopropylbenzene	12.25	105	15258	0.49	ug/l	96
78) n-propylbenzene	12.59	91	9902	0.29	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	82677	3.40	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	140127	5.71	ug/l	99
86) p-Isopropyltoluene	13.29	119	73975	3.09	ug/l	98
95) Naphthalene	15.14	128	1983479	103.65	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN050187.D

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Instrument :

MSVOA_N

ClientSampleId :

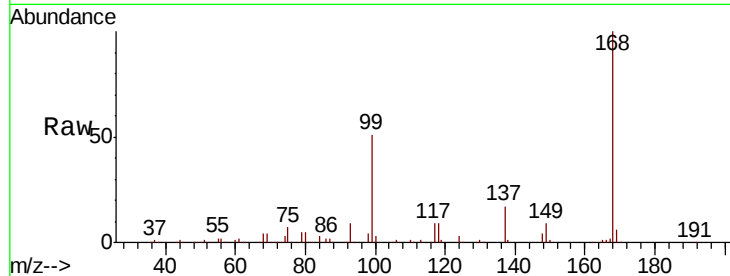
MW-6BDL

Tot Ion:168 Resp: 639342

Ion Ratio Lower Upper

168 100

99 51.4 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): VN050187.D

Ion 98.90 (98.60 to 99.60): VN050187.D

7.67

250000

200000

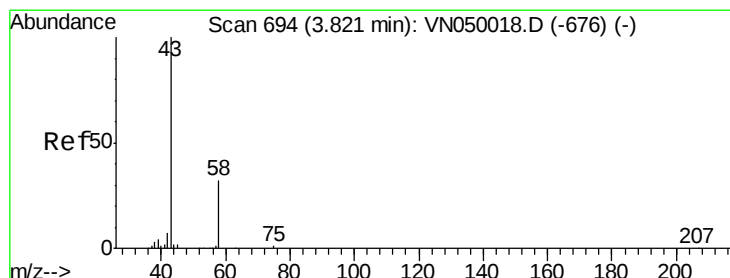
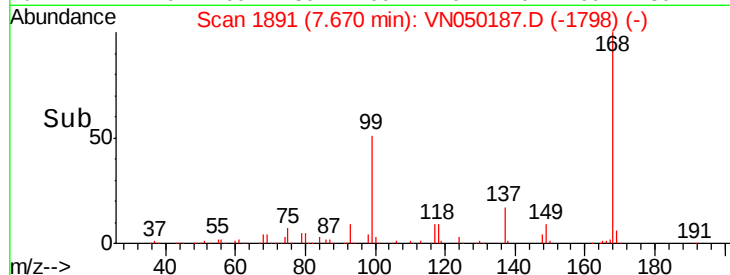
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 2.22 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN050187.D

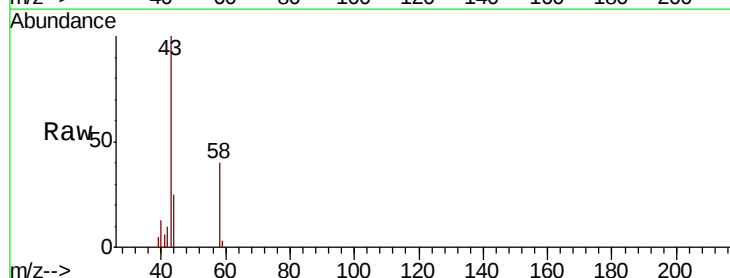
Acq: 30 Jul 2018 15:09

Tgt Ion: 43 Resp: 13717

Ion Ratio Lower Upper

43 100

58 41.3 25.8 38.8#



Abundance Ion 43.00 (42.70 to 43.70): VN050187.D

Ion 58.00 (57.70 to 58.70): VN050187.D

3.82

5000

4000

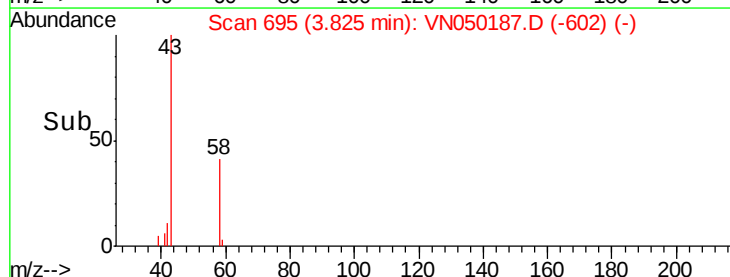
3000

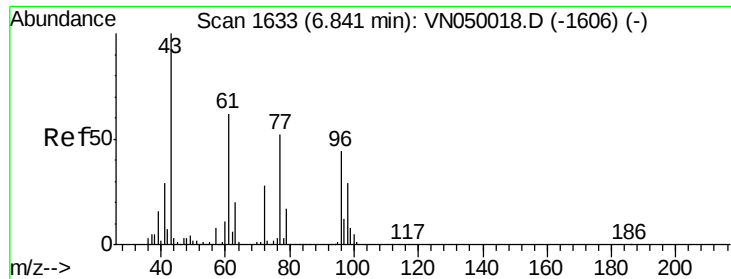
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1000

0

Time-->

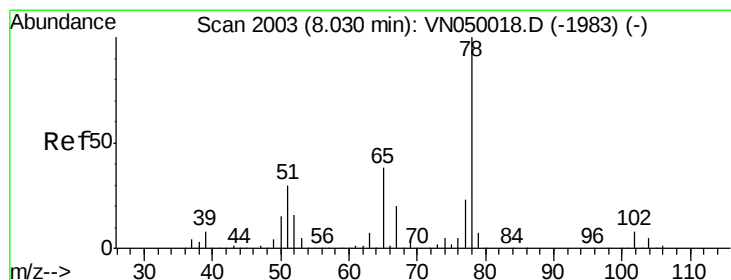
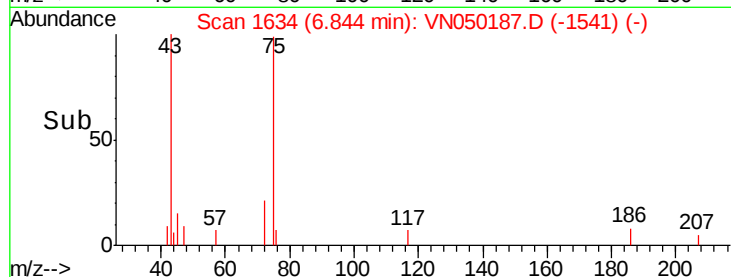
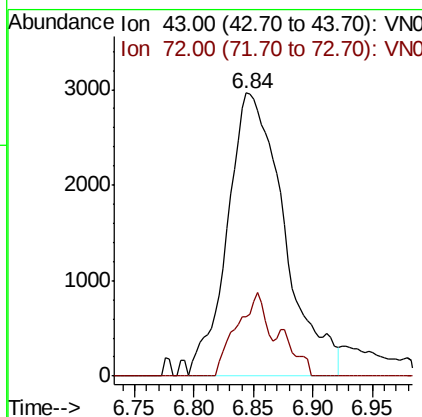
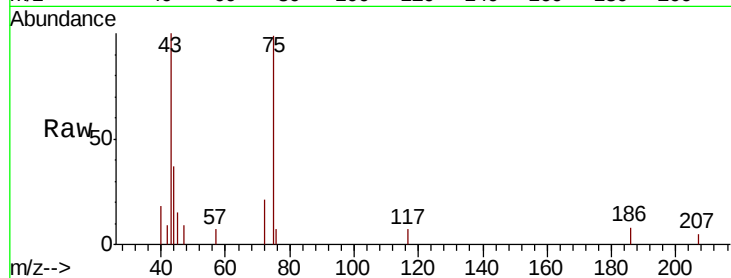




#25
2-Butanone
Concen: 2.88 ug/l
RT: 6.84 min Scan# 1634
Delta R.T. 0.00 min
Lab File: VN050187.D
Acq: 30 Jul 2018 15:09

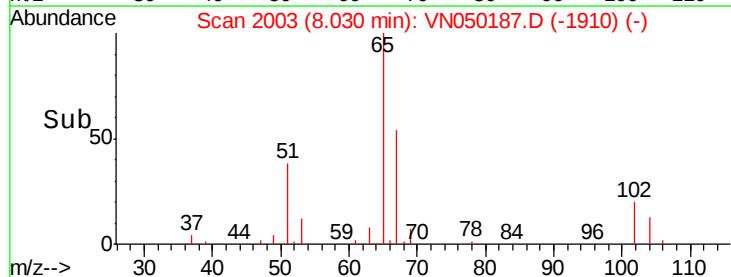
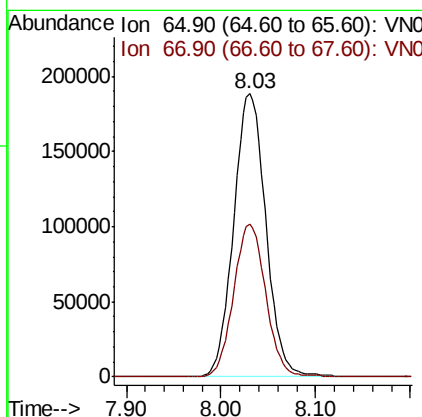
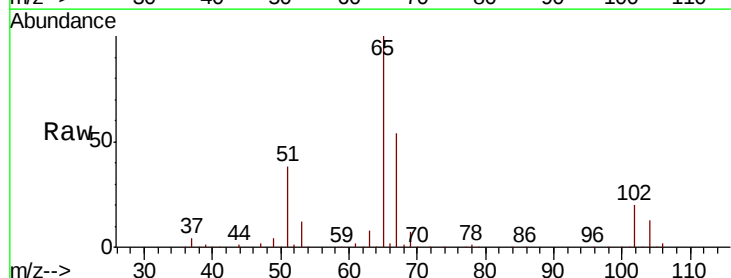
Instrument :
MSVOA_N
ClientSampleId :
MW-6BDL

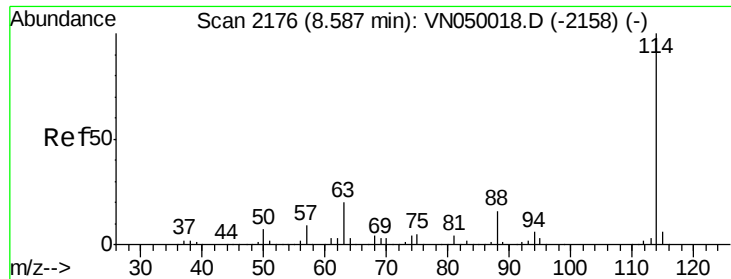
Tot Ion: 43 Resp: 9810
Ion Ratio Lower Upper
43 100
72 20.9 21.5 32.3#



#33
1,2-Dichloroethane-d4
Concen: 50.14 ug/l
RT: 8.03 min Scan# 2003
Delta R.T. 0.00 min
Lab File: VN050187.D
Acq: 30 Jul 2018 15:09

Tgt Ion: 65 Resp: 447274
Ion Ratio Lower Upper
65 100
67 53.7 0.0 108.4



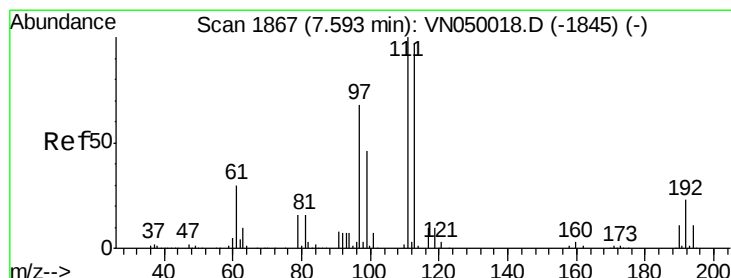
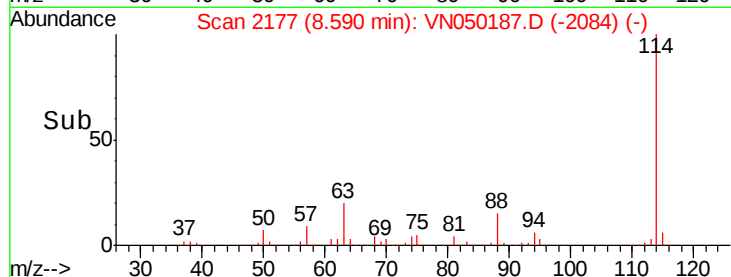
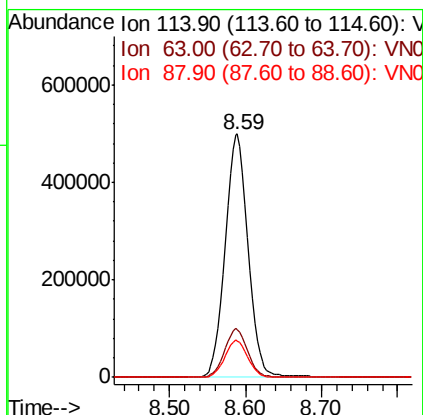
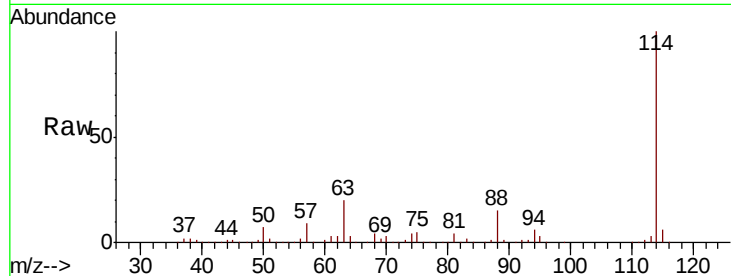


#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050187.D
 Acq: 30 Jul 2018 15:09

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-6BDL

Tot Ion:114 Resp: 1049854

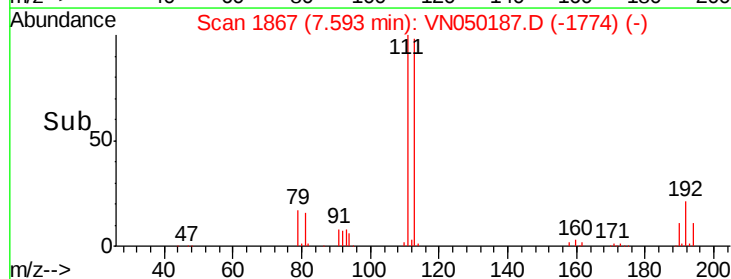
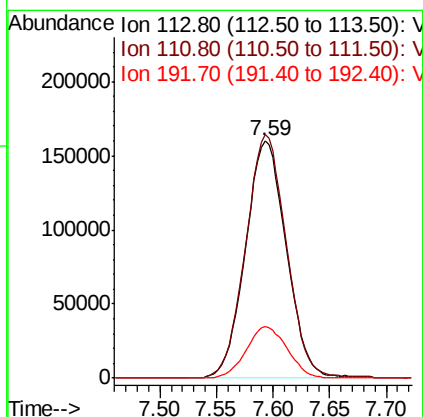
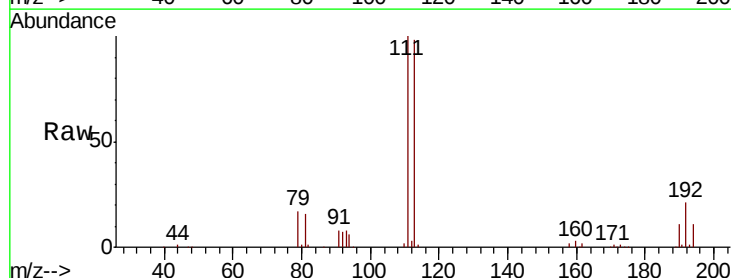
Ion	Ratio	Lower	Upper
114	100		
63	19.9	0.0	40.0
88	15.1	0.0	31.2

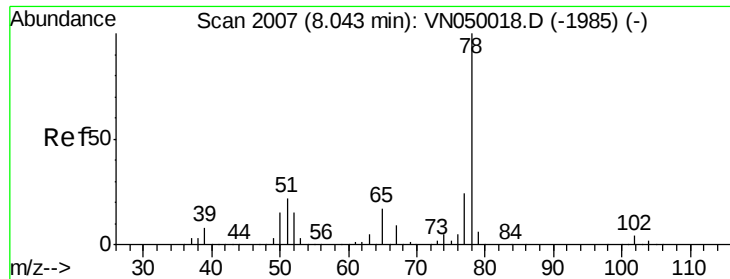


#35
 Dibromofluoromethane
 Concen: 46.83 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050187.D
 Acq: 30 Jul 2018 15:09

Tgt Ion:113 Resp: 401382

Ion	Ratio	Lower	Upper
113	100		
111	102.3	80.7	121.1
192	21.8	17.8	26.6





#40

Benzene

Concen: 0.22 ug/l

RT: 8.04 min Scan# 2007

Delta R.T. 0.00 min

Lab File: VN050187.D

Acq: 30 Jul 2018 15:09

Instrument :

MSVOA_N

ClientSampled :

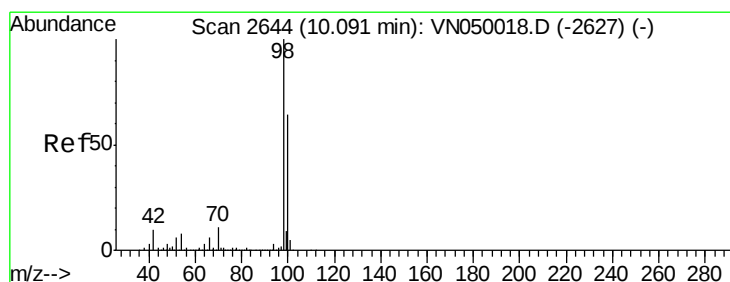
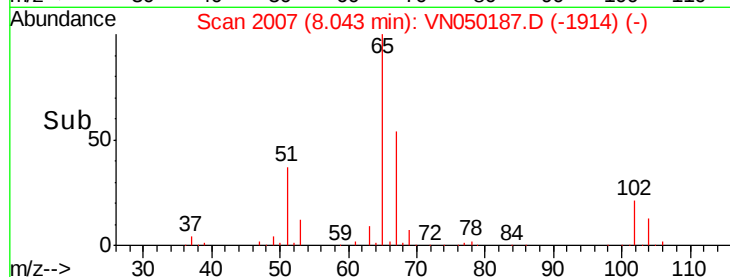
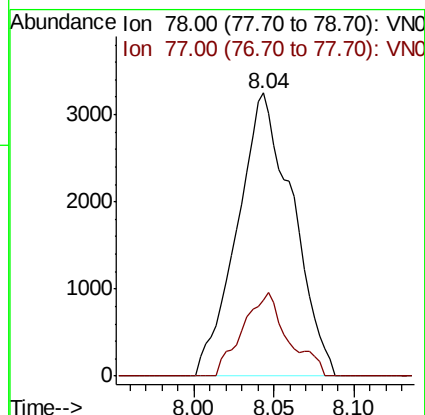
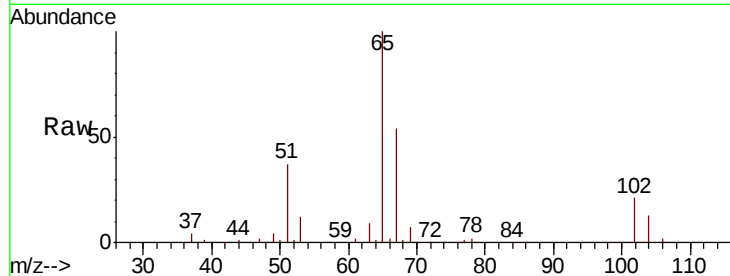
MW-6BDL

Tot Ion: 78 Resp: 7741

Ion Ratio Lower Upper

78 100

77 27.0 18.7 28.1



#50

Toluene-d8

Concen: 45.02 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VN050187.D

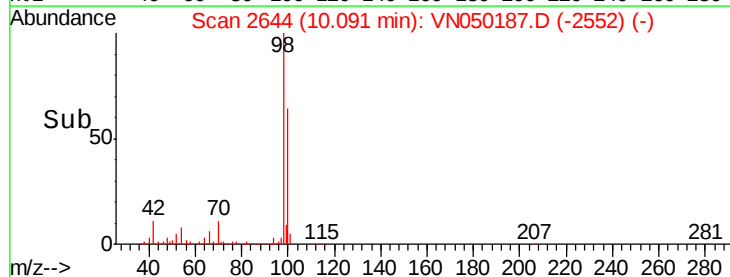
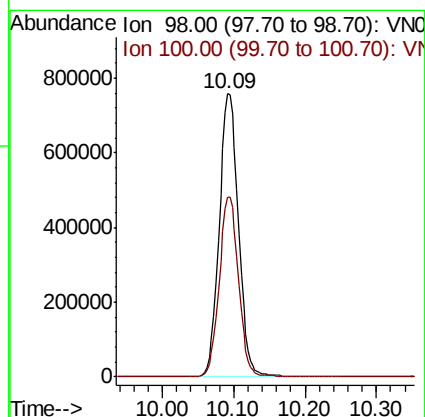
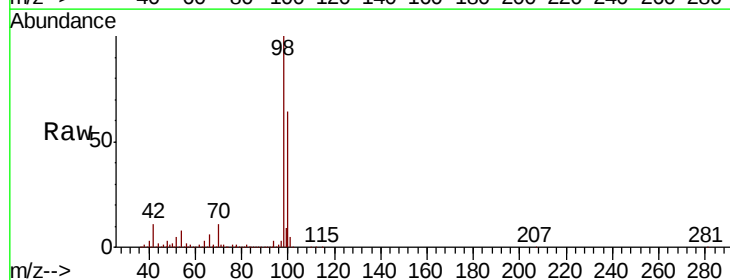
Acq: 30 Jul 2018 15:09

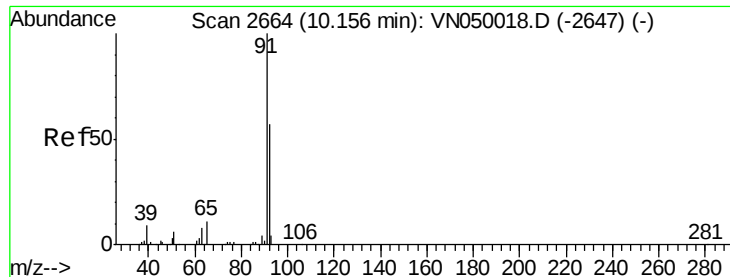
Tgt Ion: 98 Resp: 1418716

Ion Ratio Lower Upper

98 100

100 63.6 50.7 76.1





#52

Toluene

Concen: 1.98 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN050187.D

Acq: 30 Jul 2018 15:09

Instrument :

MSVOA_N

ClientSampleId :

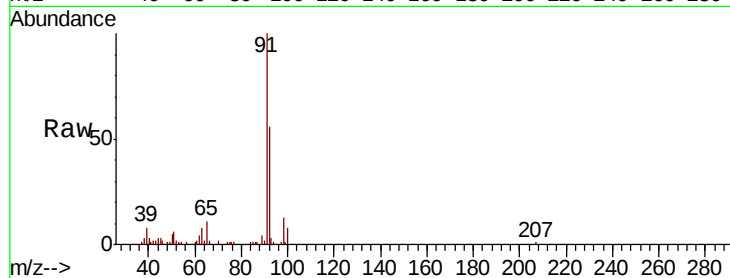
MW-6BDL

Tot Ion: 92 Resp: 42128

Ion Ratio Lower Upper

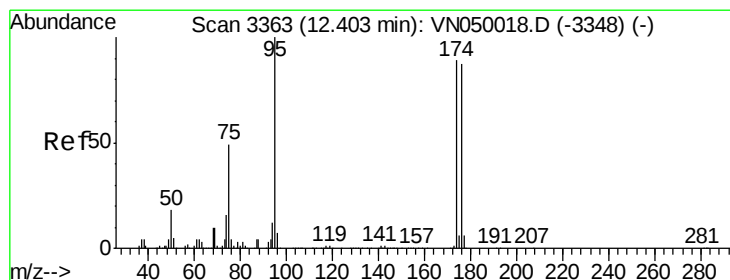
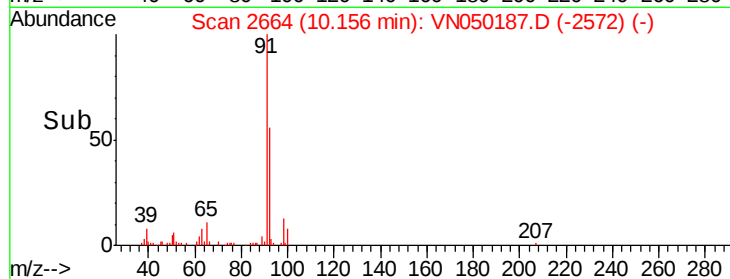
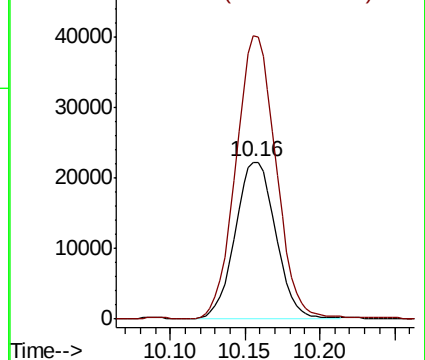
92 100

91 178.4 140.3 210.5



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



#62

4-Bromofluorobenzene

Concen: 41.30 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050187.D

Acq: 30 Jul 2018 15:09

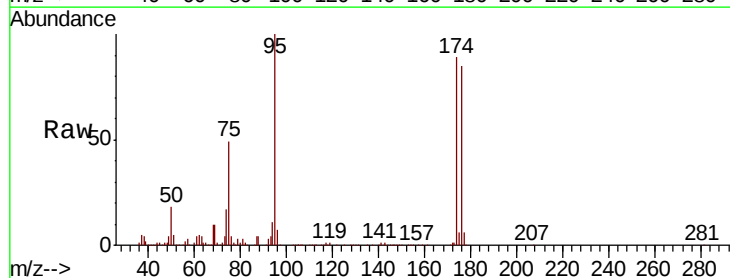
Tgt Ion: 95 Resp: 428521

Ion Ratio Lower Upper

95 100

174 90.3 0.0 178.2

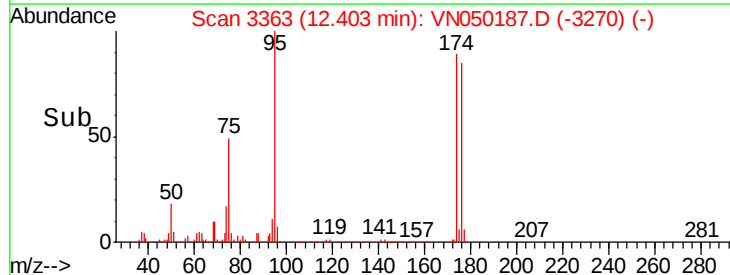
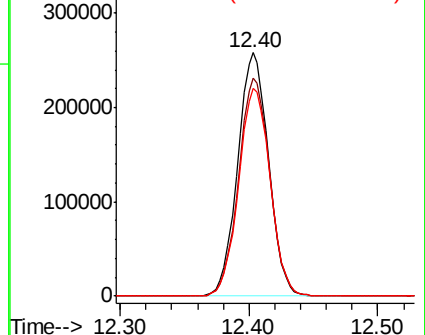
176 87.0 0.0 173.4

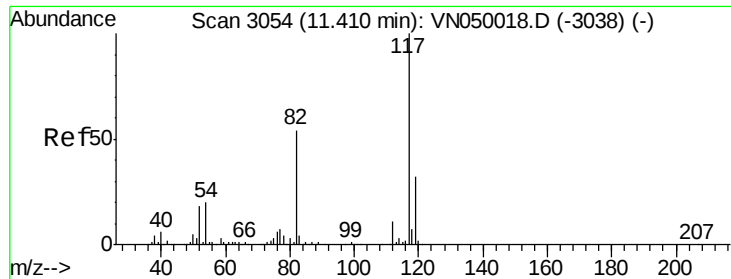


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

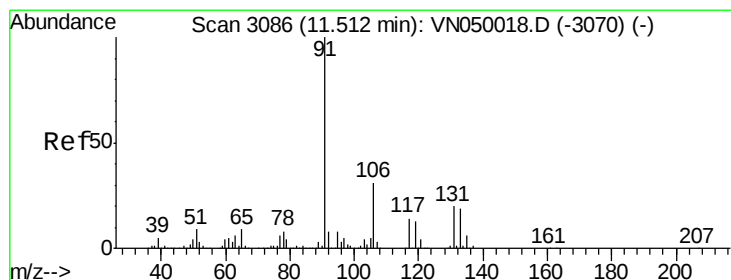
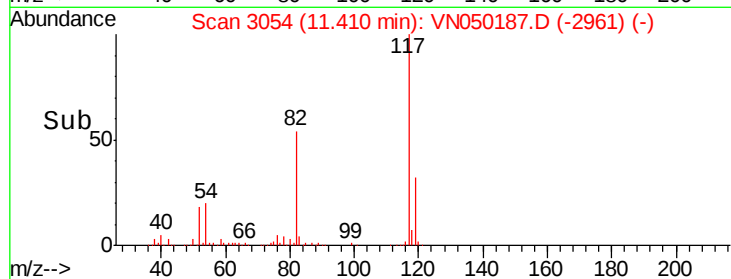
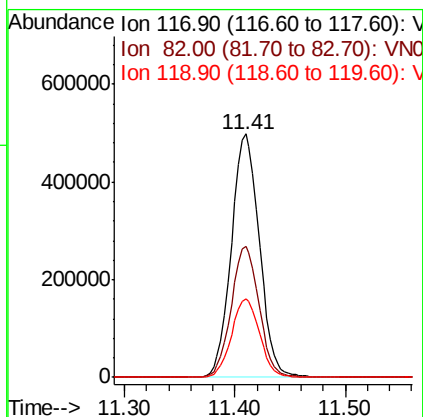
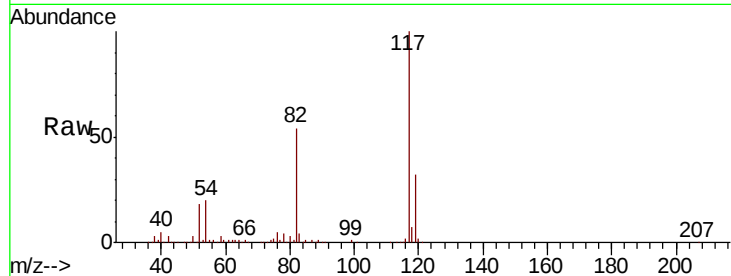




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050187.D
Acq: 30 Jul 2018 15:09

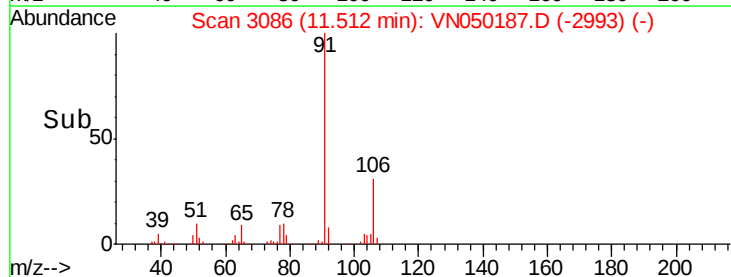
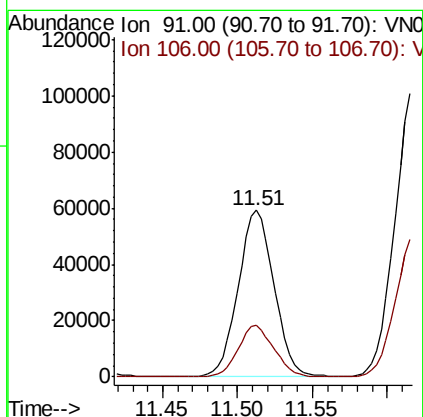
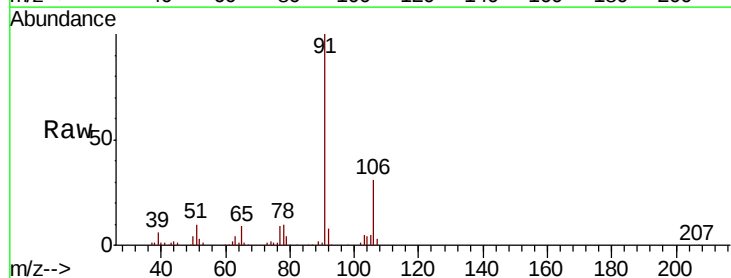
Instrument :
MSVOA_N
ClientSampleId :
MW-6BDL

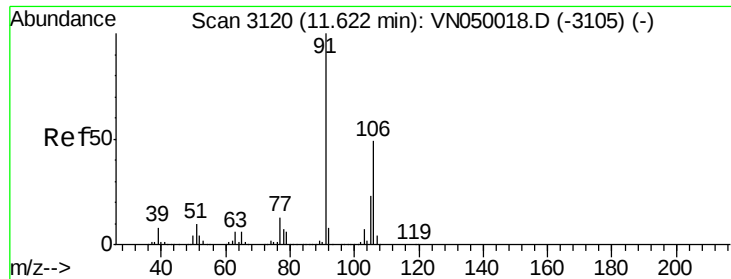
Tot Ion:117 Resp: 879220
Ion Ratio Lower Upper
117 100
82 54.0 43.7 65.5
119 32.4 26.1 39.1



#67
Ethyl Benzene
Concen: 2.77 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN050187.D
Acq: 30 Jul 2018 15:09

Tgt Ion: 91 Resp: 98953
Ion Ratio Lower Upper
91 100
106 30.7 25.0 37.4

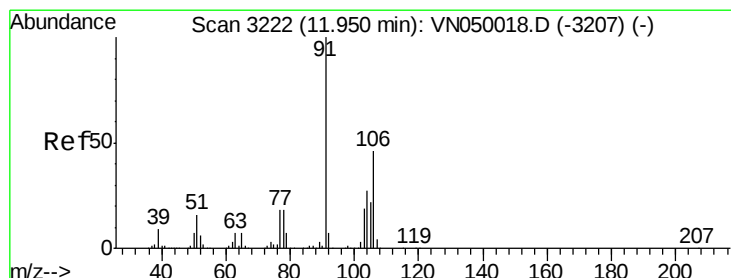
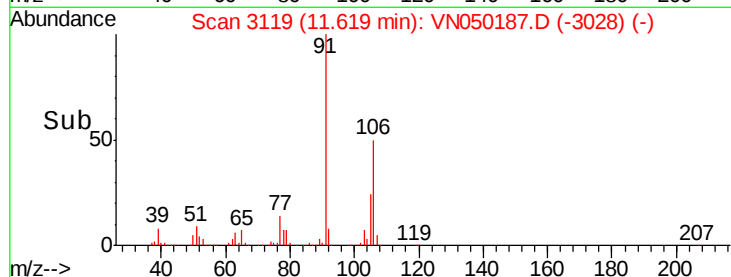
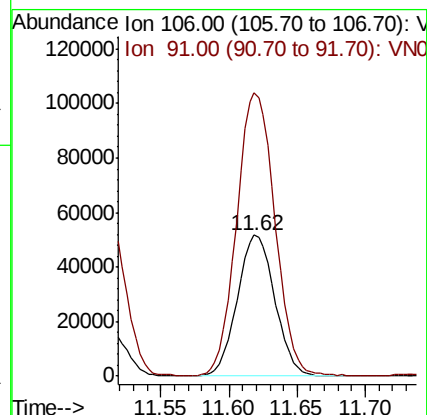
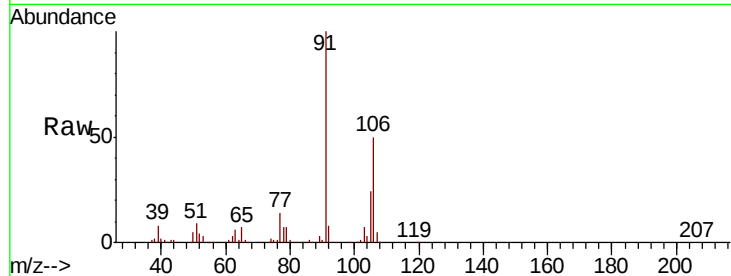




#68
m/p-Xylenes
Concen: 7.30 ug/l
RT: 11.62 min Scan# 3119
Delta R.T. -0.01 min
Lab File: VN050187.D
Acq: 30 Jul 2018 15:09

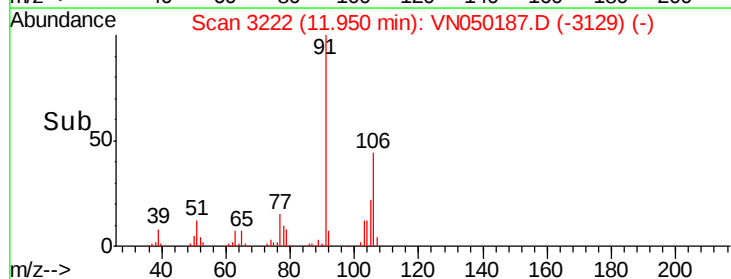
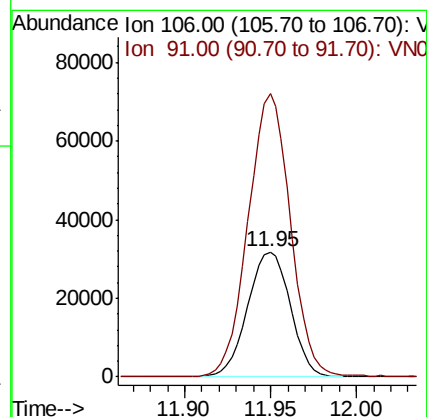
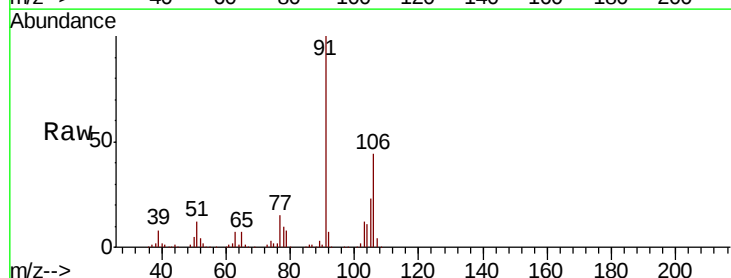
Instrument :
MSVOA_N
ClientSampled :
MW-6BDL

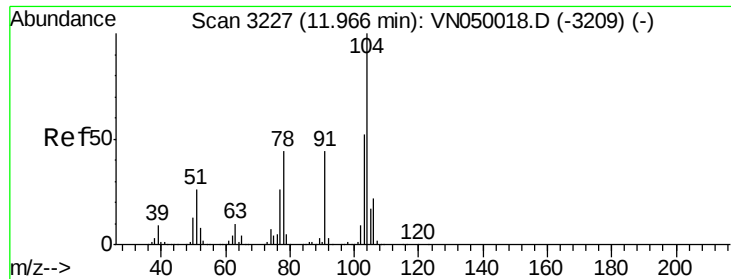
Tot Ion:106 Resp: 98526
Ion Ratio Lower Upper
106 100
91 205.0 162.2 243.2



#69
o-Xylene
Concen: 4.27 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050187.D
Acq: 30 Jul 2018 15:09

Tgt Ion:106 Resp: 54936
Ion Ratio Lower Upper
106 100
91 224.3 107.7 323.1

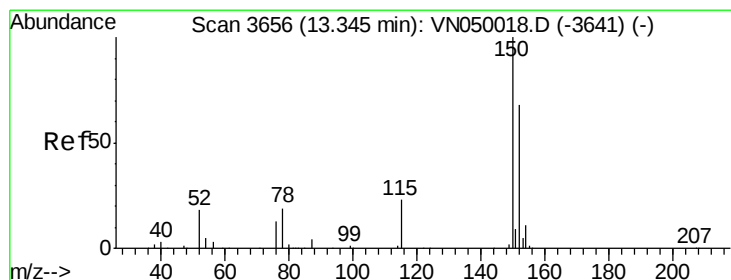
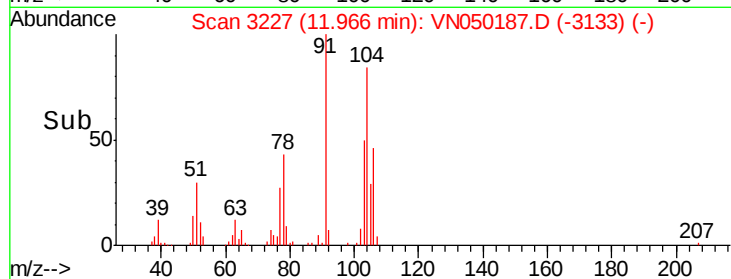
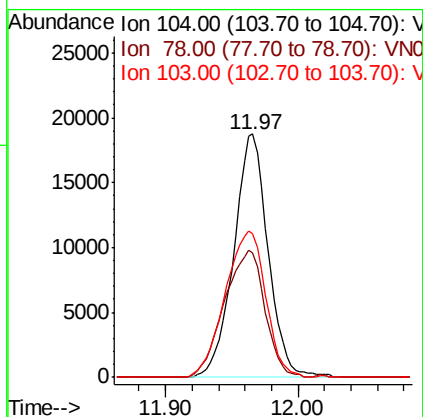
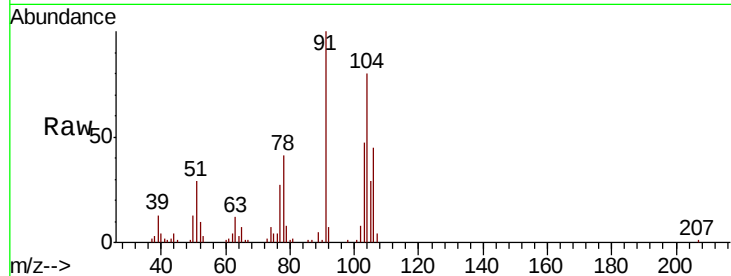




#70
Stvrene
Concen: 2.37 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050187.D
Acq: 30 Jul 2018 15:09

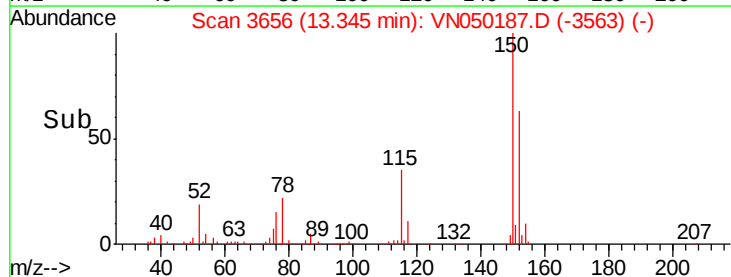
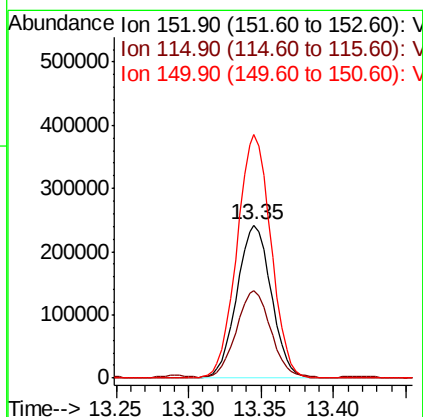
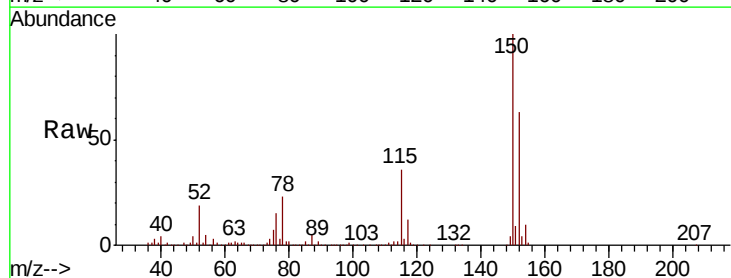
Instrument :
MSVOA_N
ClientSampleId :
MW-6BDL

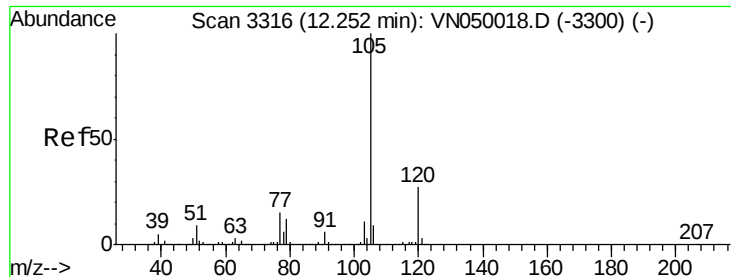
Tot Ion:104 Resp: 33708
Ion Ratio Lower Upper
104 100
78 61.8 39.3 58.9#
103 70.7 45.0 67.6#



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. 0.00 min
Lab File: VN050187.D
Acq: 30 Jul 2018 15:09

Tgt Ion:152 Resp: 399022
Ion Ratio Lower Upper
152 100
115 57.6 27.8 83.3
150 157.0 0.0 348.6





#73

Isopropylbenzene

Concen: 0.49 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. -0.00 min

Lab File: VN050187.D

Acq: 30 Jul 2018 15:09

Instrument :

MSVOA_N

ClientSampleId :

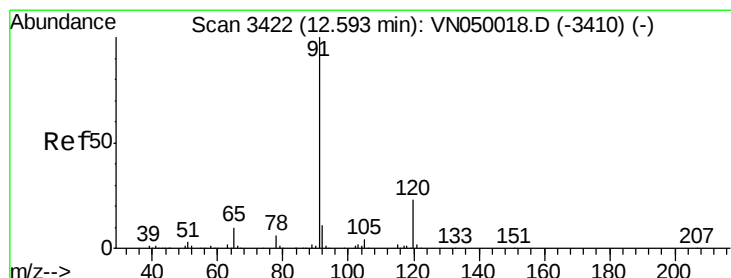
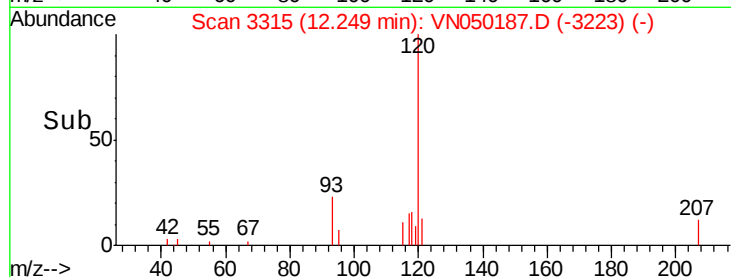
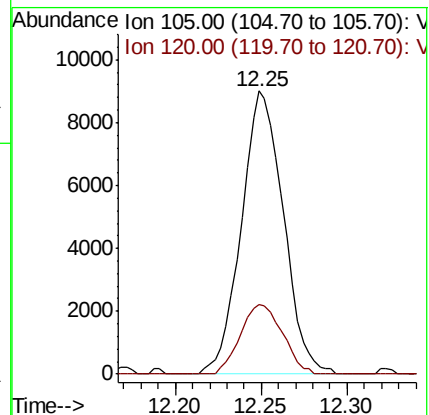
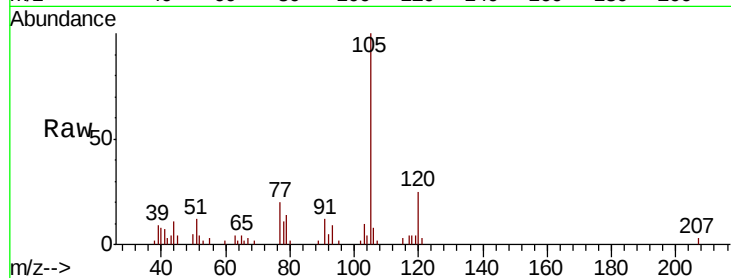
MW-6BDL

Tot Ion:105 Resp: 15258

Ion Ratio Lower Upper

105 100

120 24.6 13.3 39.8



#78

n-propylbenzene

Concen: 0.29 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050187.D

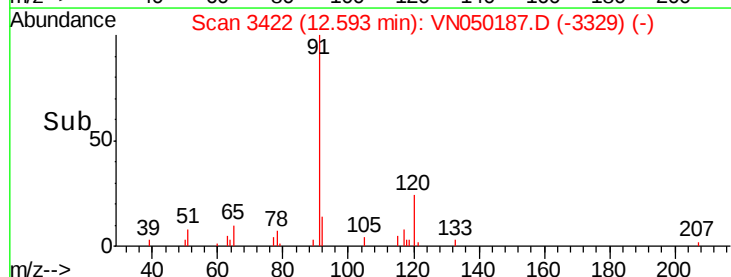
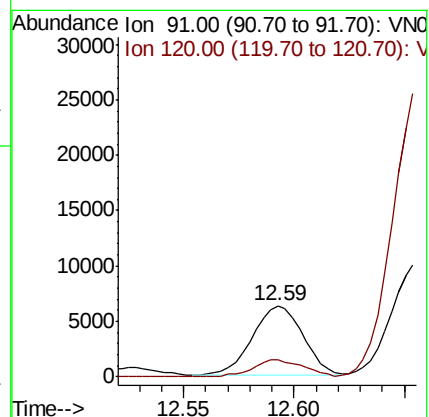
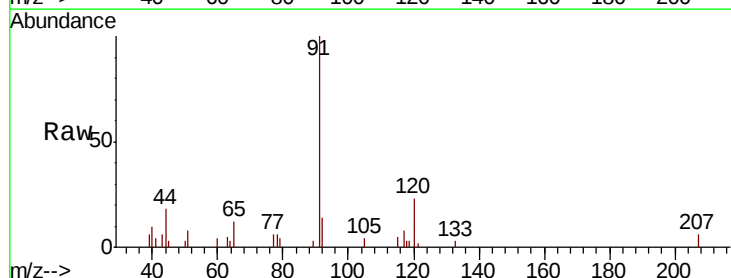
Acq: 30 Jul 2018 15:09

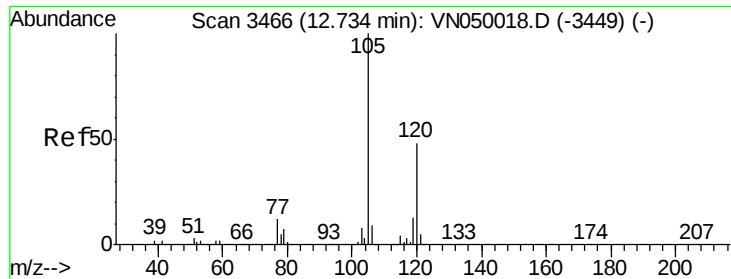
Tgt Ion: 91 Resp: 9902

Ion Ratio Lower Upper

91 100

120 24.5 11.6 34.7





#80

1,3,5-Trimethylbenzene

Concen: 3.40 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050187.D

Acq: 30 Jul 2018 15:09

Instrument :

MSVOA_N

ClientSampled :

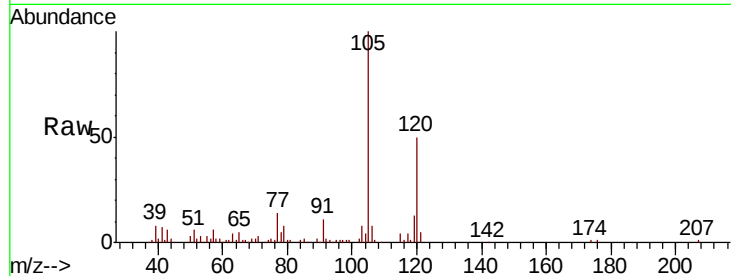
MW-6BDL

Tot Ion:105 Resp: 82677

Ion Ratio Lower Upper

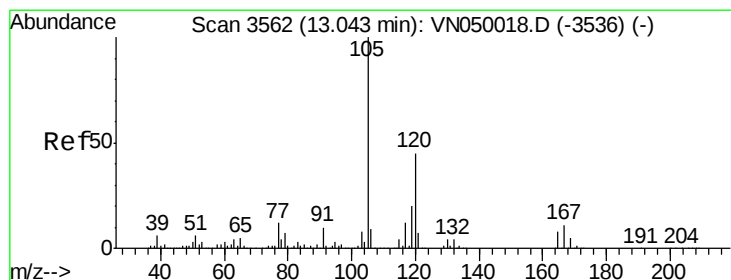
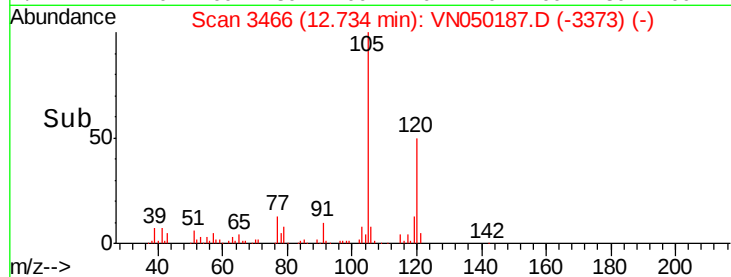
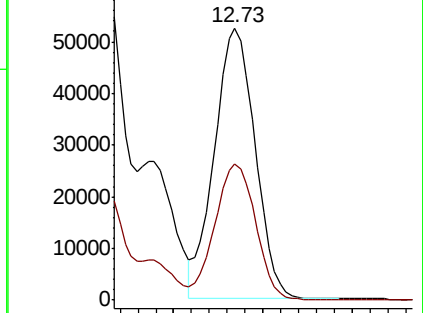
105 100

120 50.7 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#84

1,2,4-Trimethylbenzene

Concen: 5.71 ug/l

RT: 13.04 min Scan# 3562

Delta R.T. 0.00 min

Lab File: VN050187.D

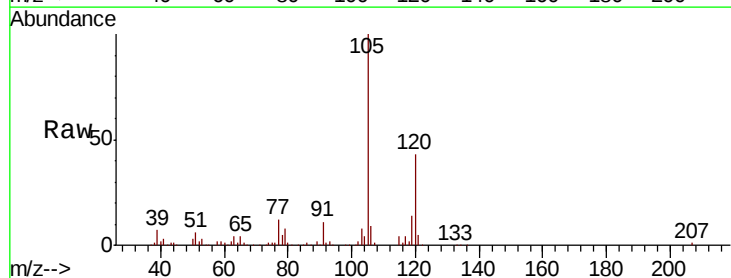
Acq: 30 Jul 2018 15:09

Tgt Ion:105 Resp: 140127

Ion Ratio Lower Upper

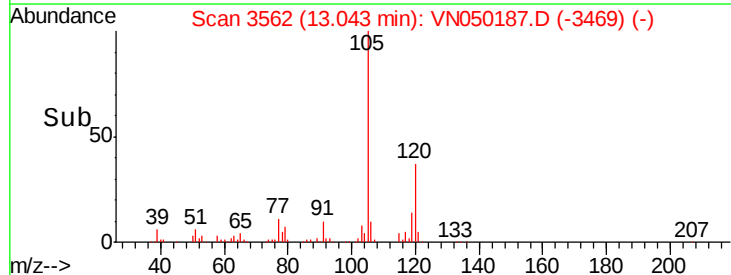
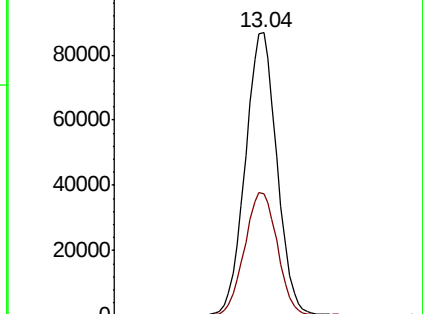
105 100

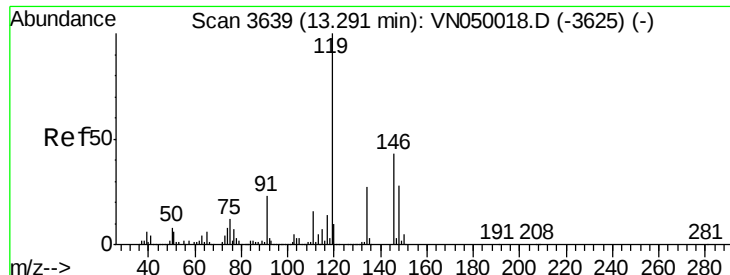
120 45.2 22.9 68.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

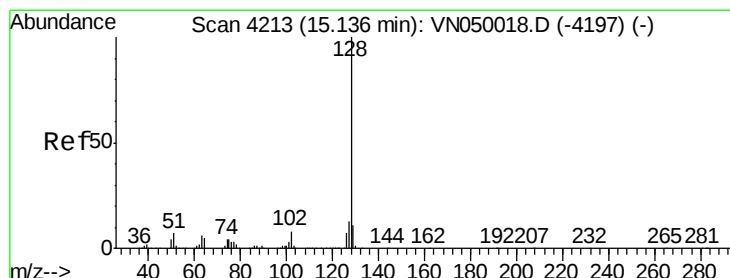
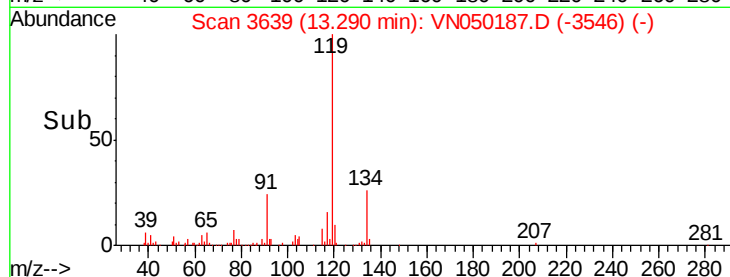
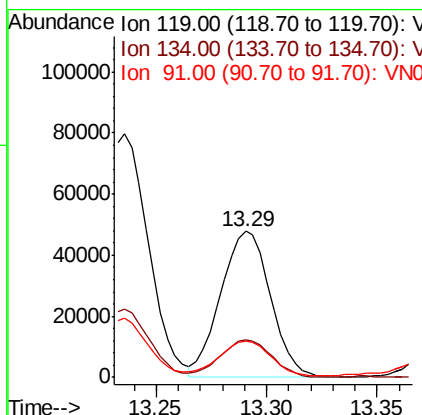
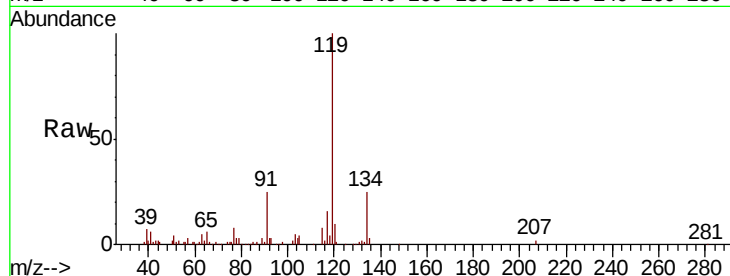




#86
 p-Isopropyltoluene
 Concen: 3.09 ug/l
 RT: 13.29 min Scan# 3639
 Delta R.T. 0.00 min
 Lab File: VN050187.D
 Acq: 30 Jul 2018 15:09

Instrument :
 MSVOA_N
 ClientSampled :
 MW-6BDL

Tot Ion:119 Resp: 73975
 Ion Ratio Lower Upper
 119 100
 134 26.8 13.3 39.8
 91 24.6 11.4 34.2



#95
 Naphthalene
 Concen: 103.65 ug/l
 RT: 15.14 min Scan# 4213
 Delta R.T. 0.00 min
 Lab File: VN050187.D
 Acq: 30 Jul 2018 15:09

Tgt Ion:128 Resp: 1983479
 Ion Ratio Lower Upper
 128 100
 127 12.9 10.4 15.6
 129 11.1 8.8 13.2

