

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080418\
 Data File : VN050365.D
 Acq On : 4 Aug 2018 14:32
 Operator : MD\SY
 Sample : J4328-05
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-23

Quant Time: Aug 10 09:02:24 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	712751	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1113909	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1006497	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	445328	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	477214	47.99	ug/l	0.00
Spiked Amount			Recovery	=	95.98%	
35) Dibromofluoromethane	7.59	113	419537	46.13	ug/l	0.00
Spiked Amount			Recovery	=	92.26%	
50) Toluene-d8	10.09	98	1548499	46.31	ug/l	0.00
Spiked Amount			Recovery	=	92.62%	
62) 4-Bromofluorobenzene	12.40	95	495654	45.02	ug/l	0.00
Spiked Amount			Recovery	=	90.04%	

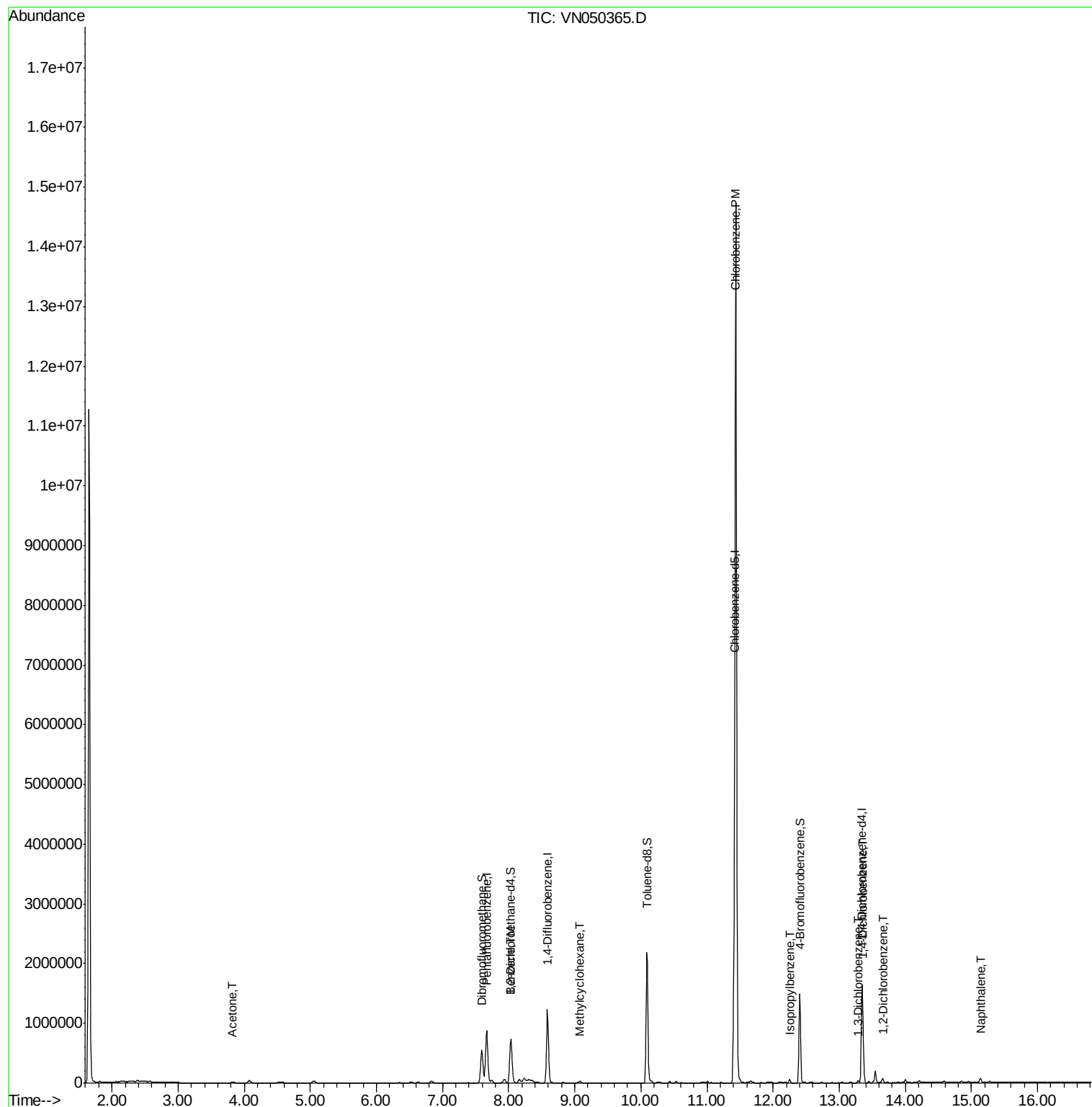
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.82	43	40580	13.21	ug/l	95
39) Methylcyclohexane	9.08	83	12862	1.00	ug/l	90
40) Benzene	8.04	78	271671	7.11	ug/l	99
65) Chlorobenzene	11.44	112	8362108	328.91	ug/l	100
73) Isopropylbenzene	12.25	105	36653	1.06	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	16394	1.01	ug/l	96
88) 1,4-Dichlorobenzene	13.36	146	168777	10.67	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	27840	1.72	ug/l	96
95) Naphthalene	15.14	128	64887	7.32	ug/l	97

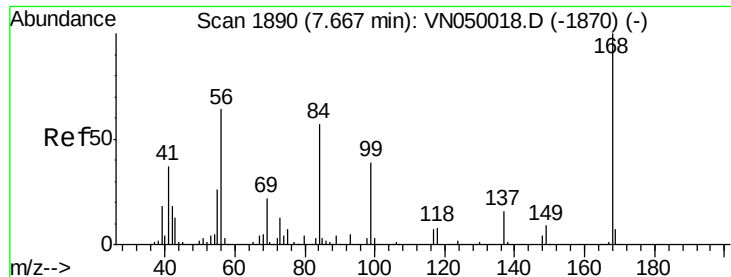
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Jul 26 18:10:10 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN050365.D

Acq: 4 Aug 2018 14:32

Instrument :

MSVOA_N

ClientSampled :

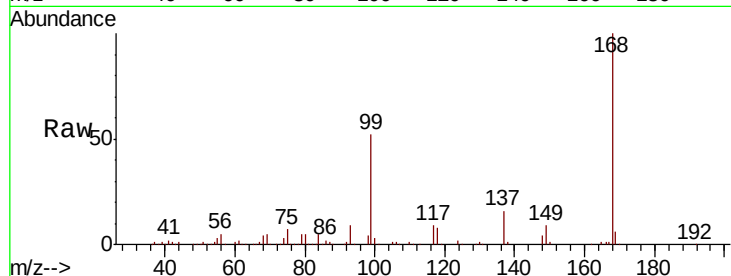
MW-23

Tot Ion:168 Resp: 712751

Ion Ratio Lower Upper

168 100

99 51.7 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): VN050018.D (-1870) (-)

Ion 98.90 (98.60 to 99.60): VN050018.D (-1870) (-)

7.67

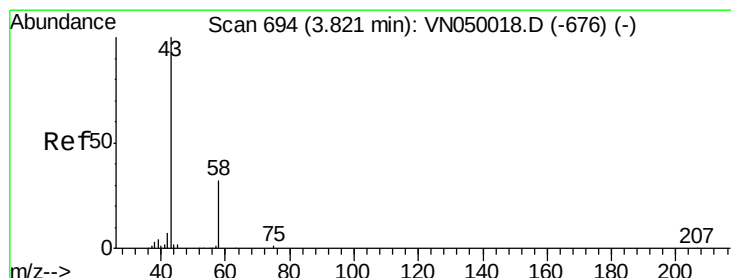
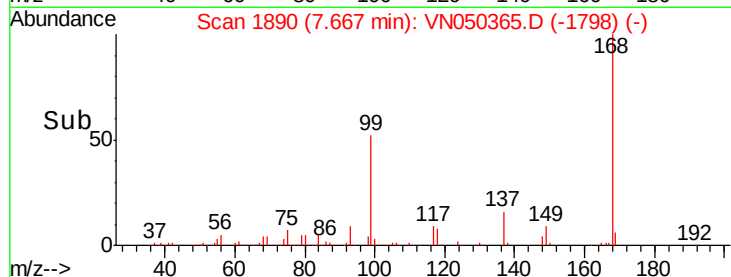
300000

200000

100000

0

Time-->



#16

Acetone

Concen: 13.21 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN050365.D

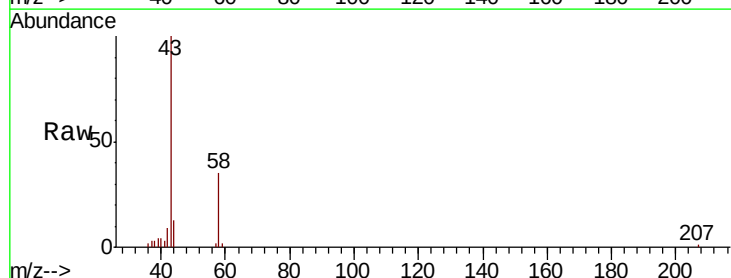
Acq: 4 Aug 2018 14:32

Tgt Ion: 43 Resp: 40580

Ion Ratio Lower Upper

43 100

58 35.0 25.8 38.8



Abundance Ion 43.00 (42.70 to 43.70): VN050018.D (-676) (-)

Ion 58.00 (57.70 to 58.70): VN050018.D (-676) (-)

3.82

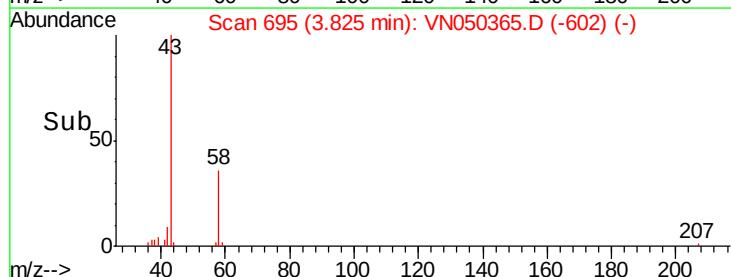
15000

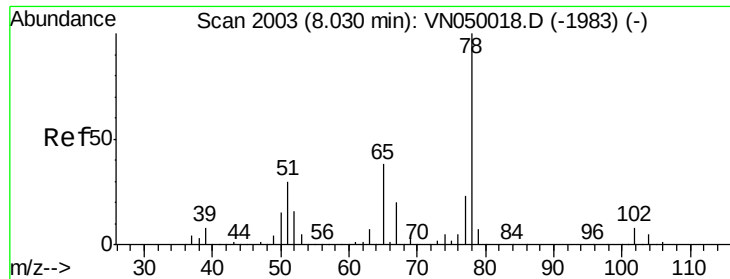
10000

5000

0

Time-->

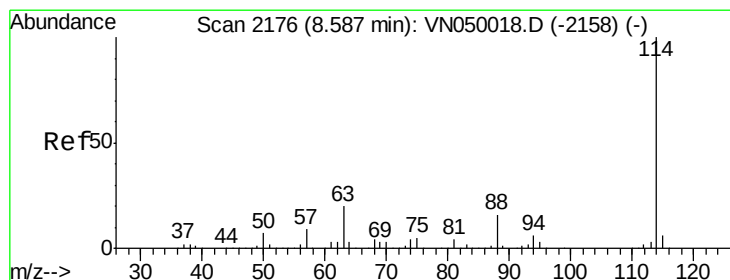
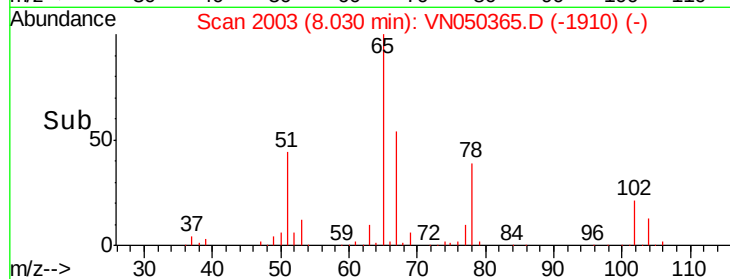
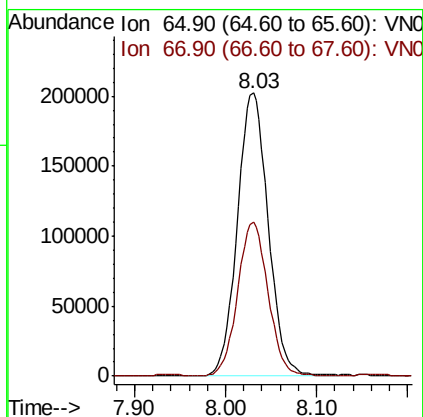
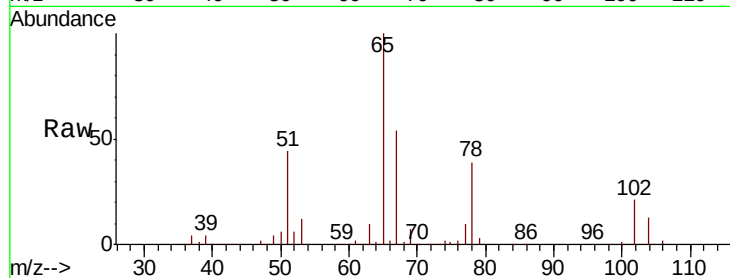




#33
 1,2-Dichloroethane-d4
 Concen: 47.99 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050365.D
 Acq: 4 Aug 2018 14:32

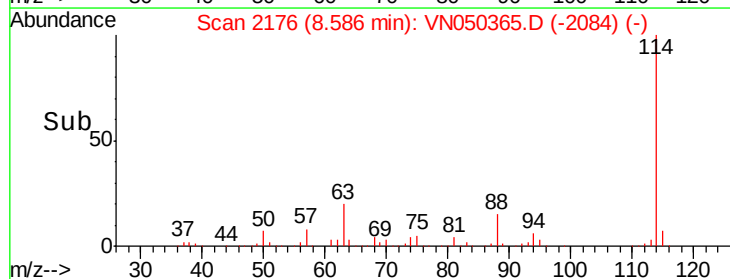
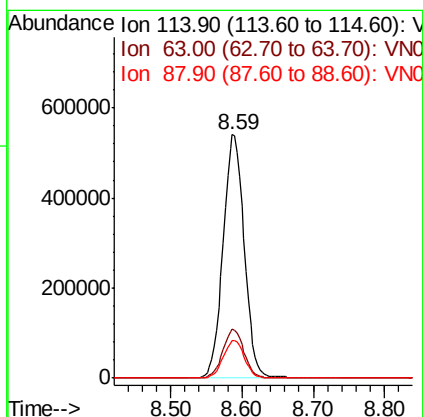
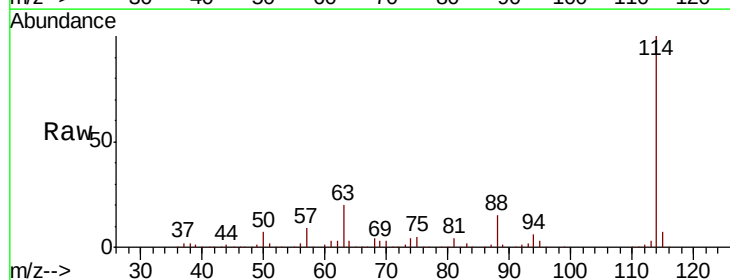
Instrument :
 MSVOA_N
 ClientSampled :
 MW-23

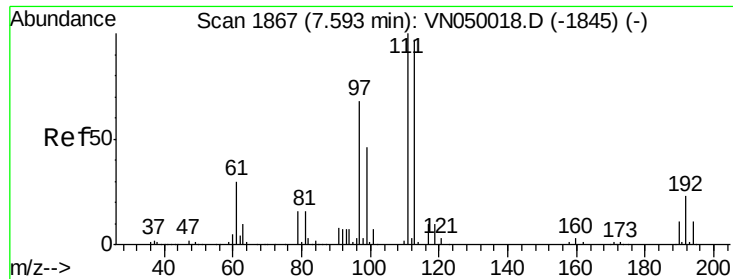
Tot Ion: 65 Resp: 477214
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN050365.D
 Acq: 4 Aug 2018 14:32

Tgt Ion: 114 Resp: 1113909
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 40.0
 88 15.4 0.0 31.2

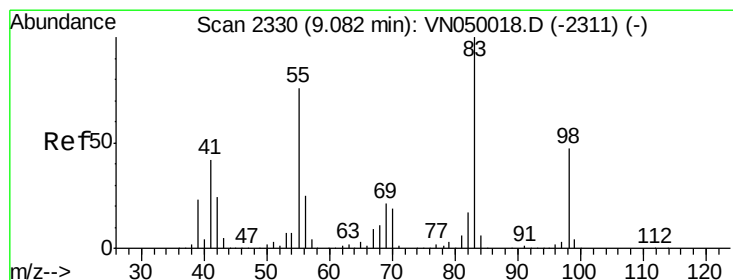
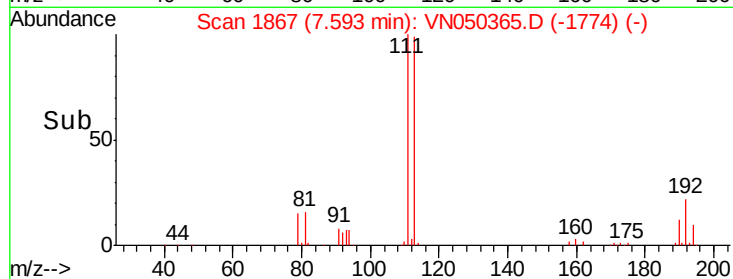
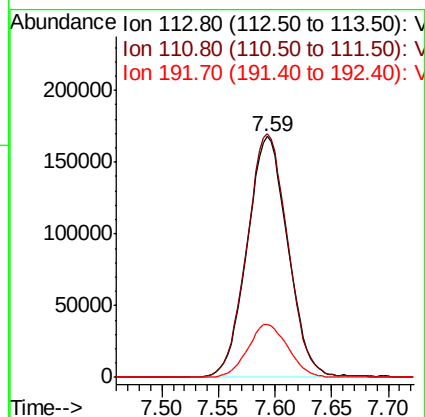
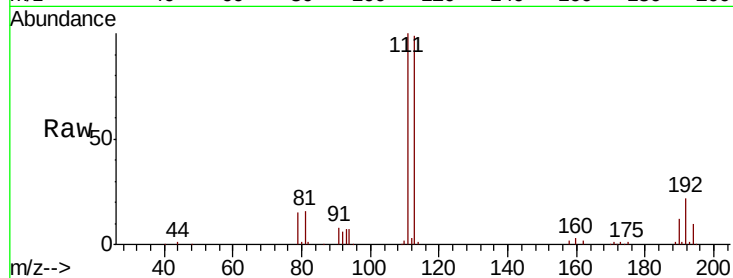




#35
 Dibromofluoromethane
 Concen: 46.13 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050365.D
 Acq: 4 Aug 2018 14:32

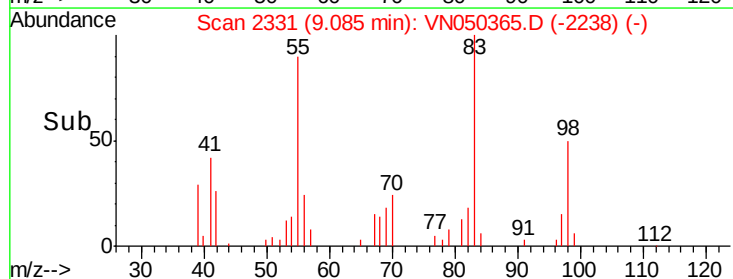
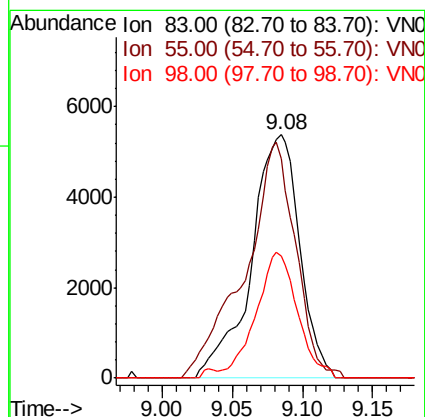
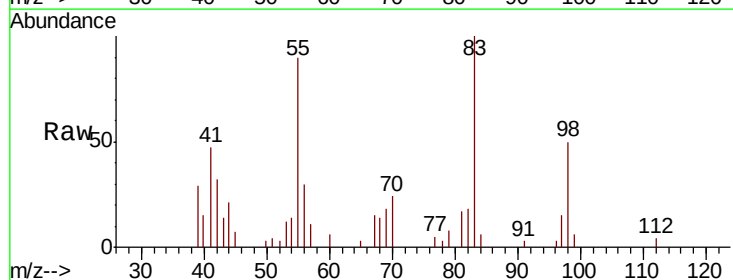
Instrument :
 MSVOA_N
 ClientSampled :
 MW-23

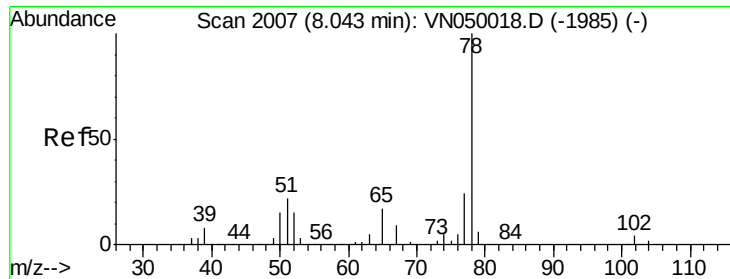
Tot Ion:113 Resp: 419537
 Ion Ratio Lower Upper
 113 100
 111 102.2 80.7 121.1
 192 21.8 17.8 26.6



#39
 Methylcyclohexane
 Concen: 1.00 ug/l
 RT: 9.08 min Scan# 2331
 Delta R.T. 0.00 min
 Lab File: VN050365.D
 Acq: 4 Aug 2018 14:32

Tgt Ion: 83 Resp: 12862
 Ion Ratio Lower Upper
 83 100
 55 87.5 61.8 92.8
 98 50.1 36.5 54.7





#40

Benzene

Concen: 7.11 ug/l

RT: 8.04 min Scan# 2007

Delta R.T. 0.00 min

Lab File: VN050365.D

Acq: 4 Aug 2018 14:32

Instrument :

MSVOA_N

ClientSampled :

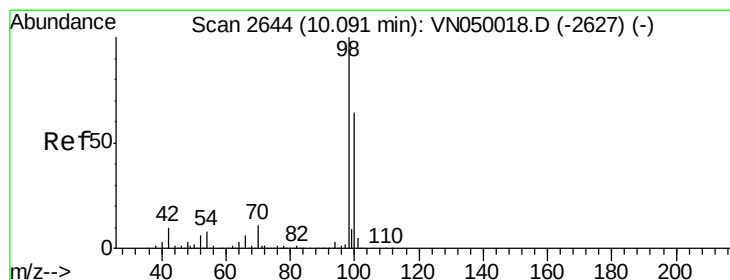
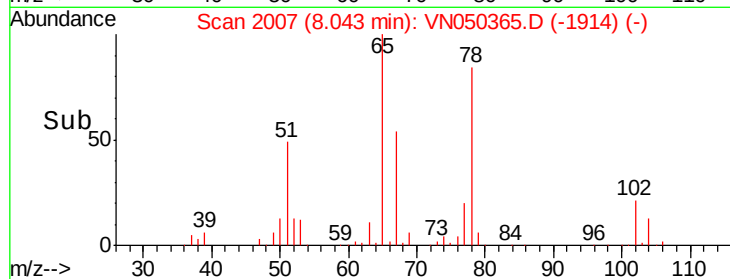
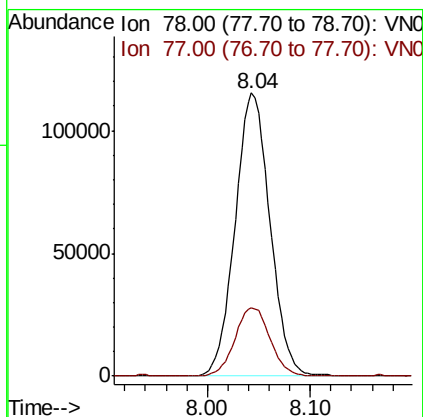
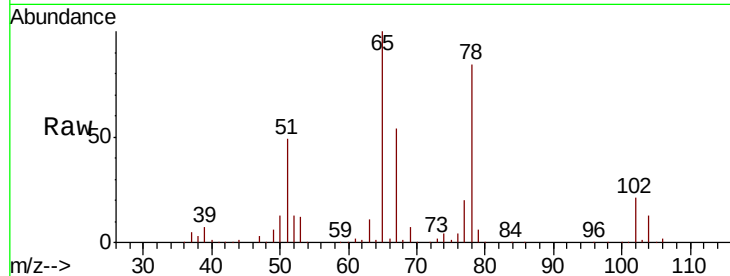
MW-23

Tot Ion: 78 Resp: 271671

Ion Ratio Lower Upper

78 100

77 24.0 18.7 28.1



#50

Toluene-d8

Concen: 46.31 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VN050365.D

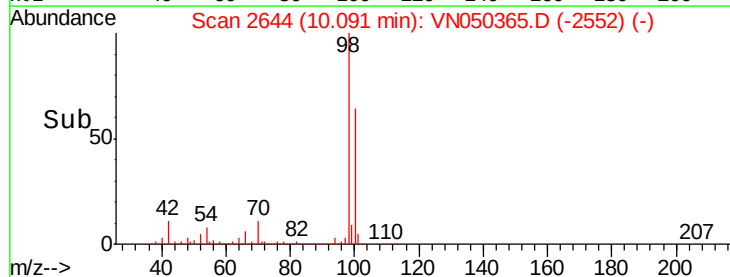
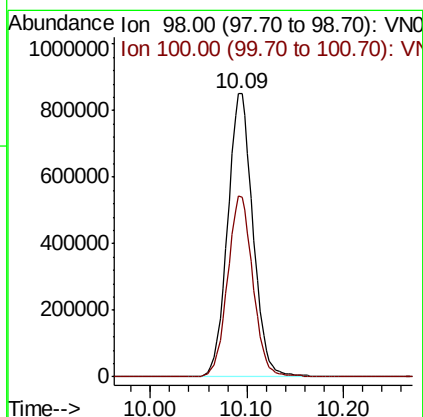
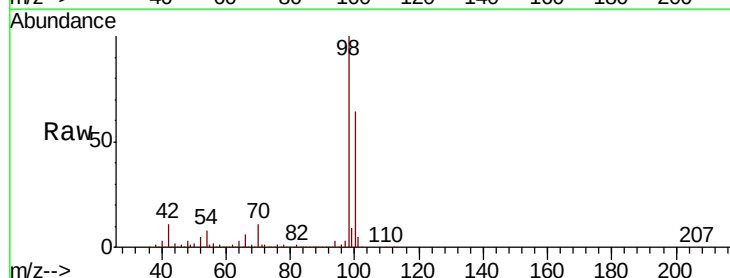
Acq: 4 Aug 2018 14:32

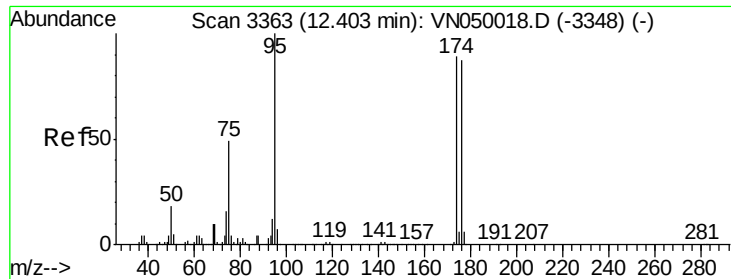
Tgt Ion: 98 Resp: 1548499

Ion Ratio Lower Upper

98 100

100 63.8 50.7 76.1

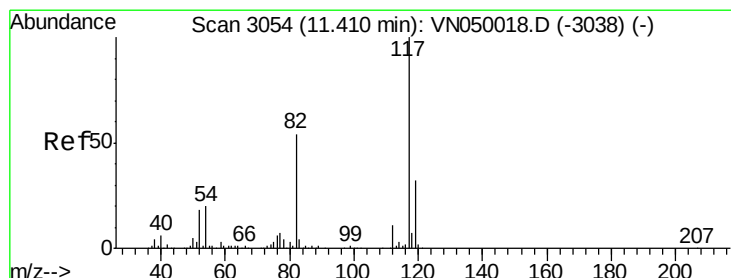
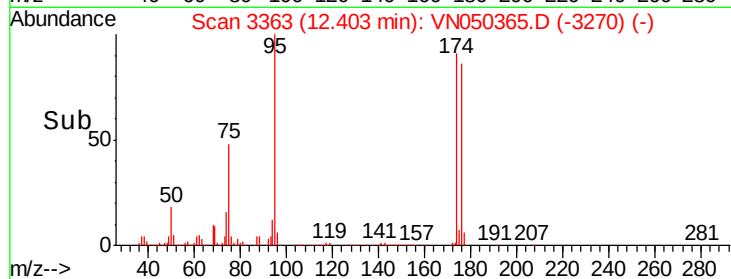
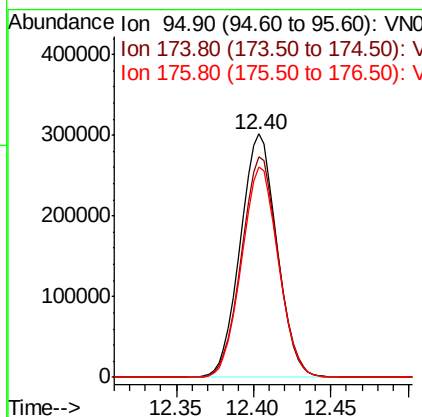
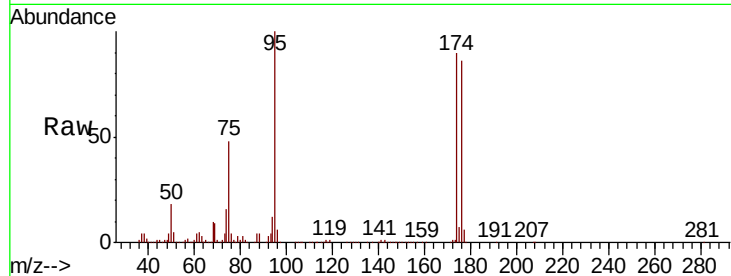




#62
4-Bromofluorobenzene
Concen: 45.02 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN050365.D
Acq: 4 Aug 2018 14:32

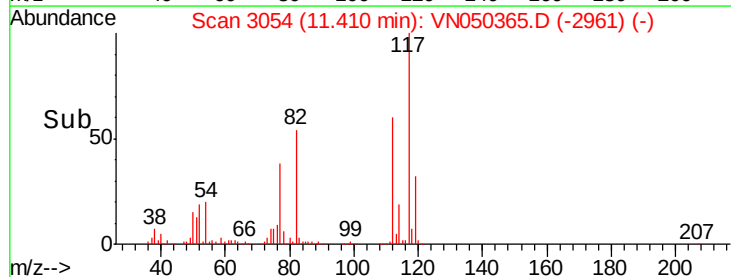
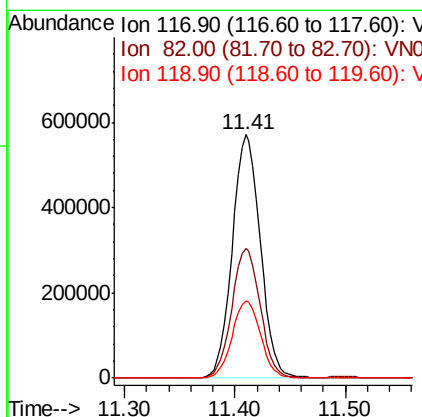
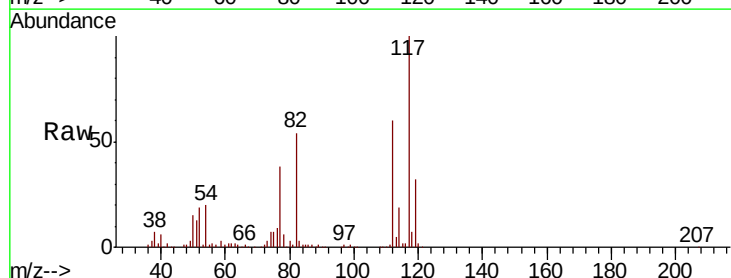
Instrument :
MSVOA_N
ClientSampleId :
MW-23

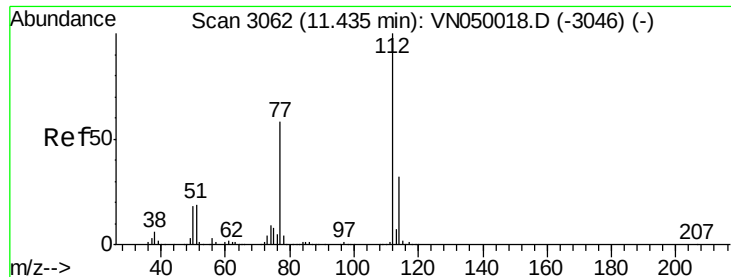
Tot Ion: 95 Resp: 495654
Ion Ratio Lower Upper
95 100
174 91.5 0.0 178.2
176 87.4 0.0 173.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050365.D
Acq: 4 Aug 2018 14:32

Tgt Ion: 117 Resp: 1006497
Ion Ratio Lower Upper
117 100
82 53.5 43.7 65.5
119 31.8 26.1 39.1

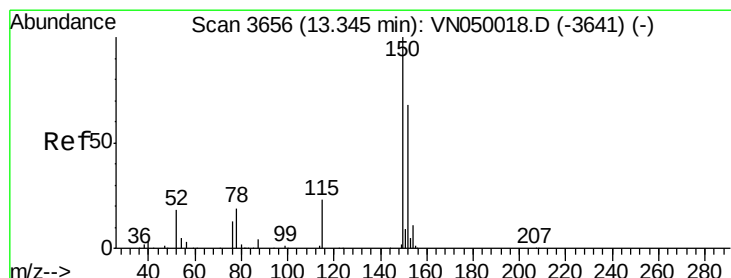
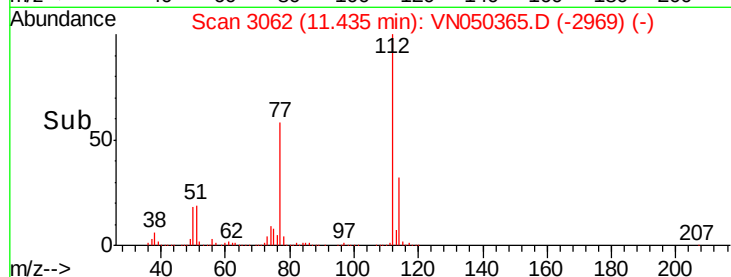
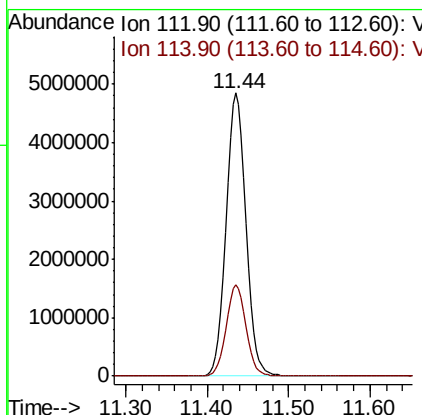
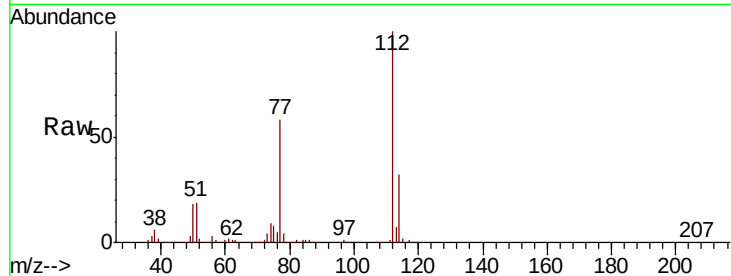




#65
Chlorobenzene
Concen: 328.91 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN050365.D
Acq: 4 Aug 2018 14:32

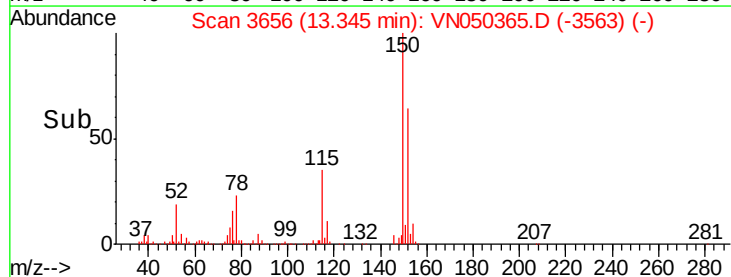
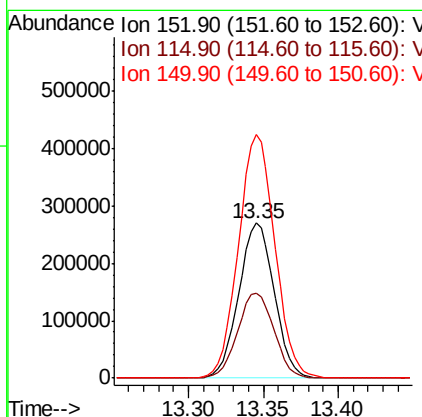
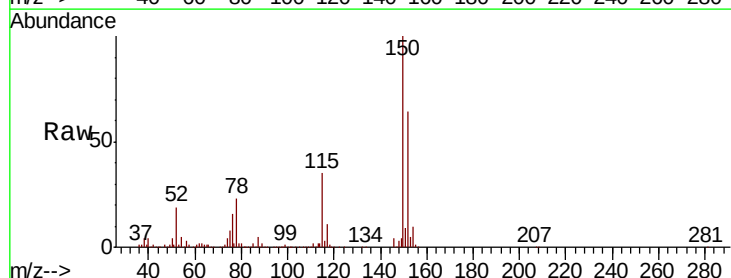
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ClientSampled :
MW-23

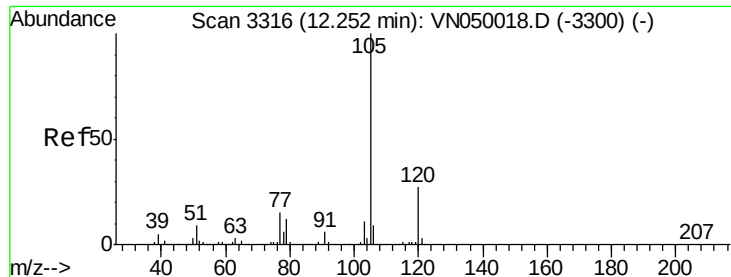
Tot Ion:112 Resp: 8362108
Ion Ratio Lower Upper
112 100
114 32.2 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. 0.00 min
Lab File: VN050365.D
Acq: 4 Aug 2018 14:32

Tgt Ion:152 Resp: 445328
Ion Ratio Lower Upper
152 100
115 56.0 27.8 83.3
150 161.4 0.0 348.6





#73

Isopropylbenzene

Concen: 1.06 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. -0.00 min

Lab File: VN050365.D

Acq: 4 Aug 2018 14:32

Instrument :

MSVOA_N

ClientSampled :

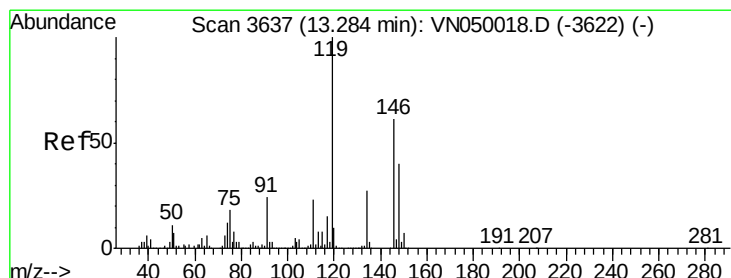
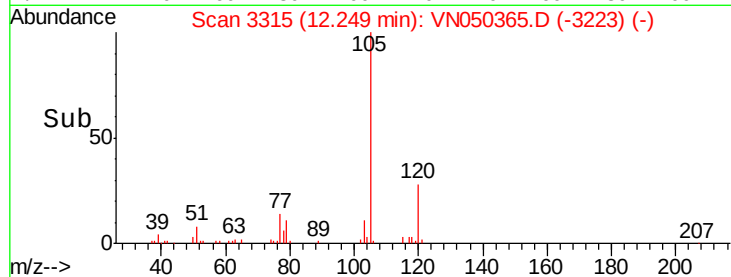
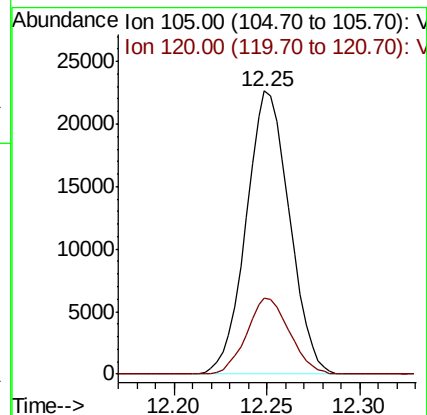
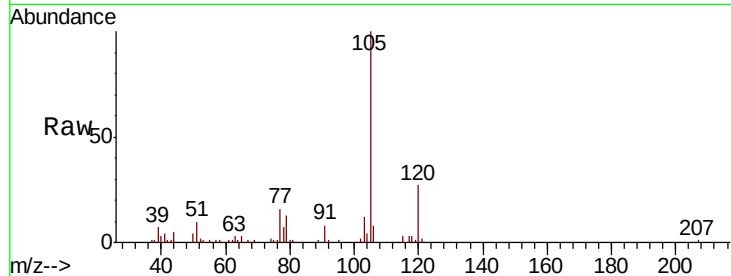
MW-23

Tot Ion:105 Resp: 36653

Ion Ratio Lower Upper

105 100

120 26.5 13.3 39.8



#87

1,3-Dichlorobenzene

Concen: 1.01 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. -0.00 min

Lab File: VN050365.D

Acq: 4 Aug 2018 14:32

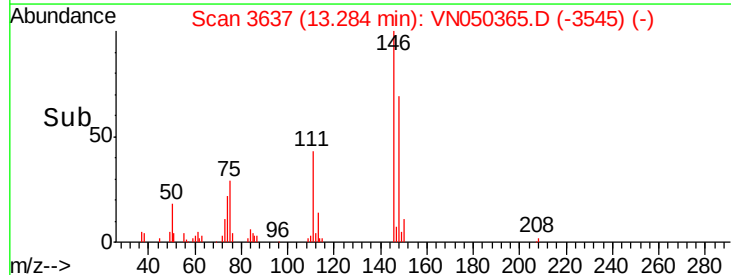
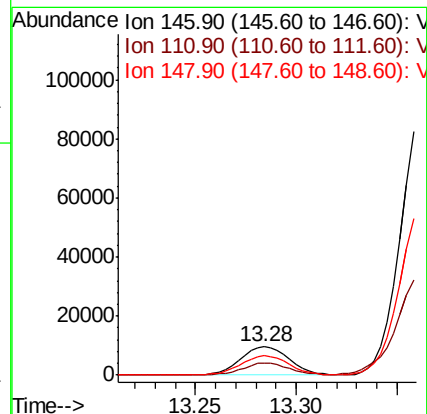
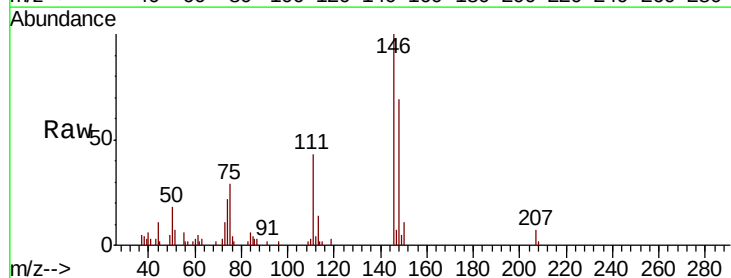
Tgt Ion:146 Resp: 16394

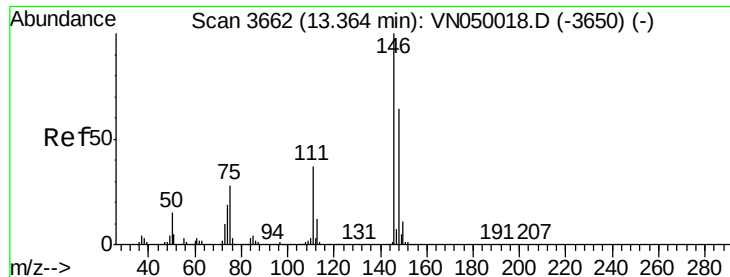
Ion Ratio Lower Upper

146 100

111 41.0 18.8 56.4

148 66.8 31.9 95.9





#88

1,4-Dichlorobenzene

Concen: 10.67 ug/l

RT: 13.36 min Scan# 3662

Delta R.T. 0.00 min

Lab File: VN050365.D

Acq: 4 Aug 2018 14:32

Instrument :

MSVOA_N

ClientSampled :

MW-23

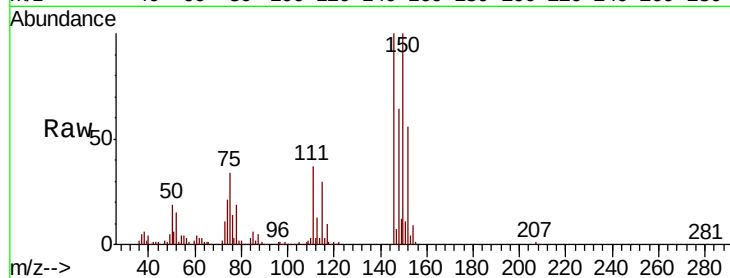
Tot Ion:146 Resp: 168777

Ion Ratio Lower Upper

146 100

111 39.1 18.3 54.9

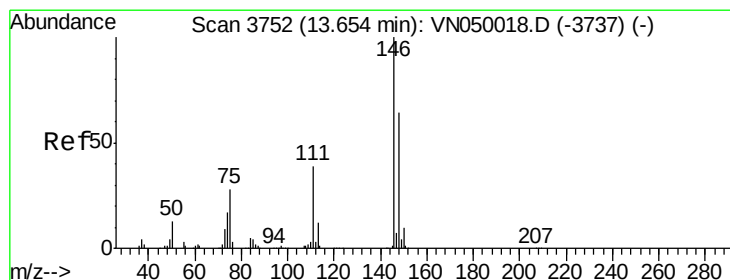
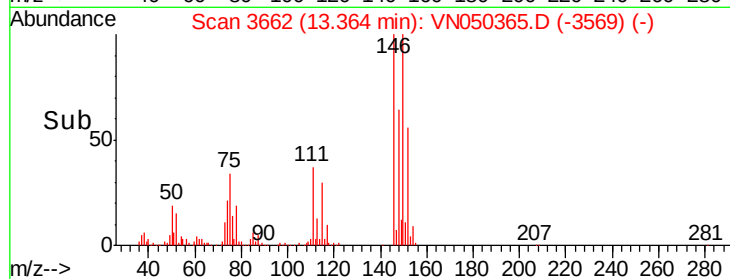
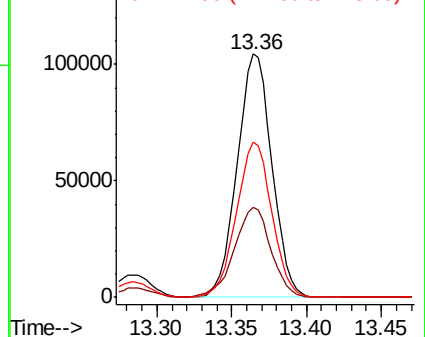
148 64.9 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#91

1,2-Dichlorobenzene

Concen: 1.72 ug/l

RT: 13.66 min Scan# 3753

Delta R.T. 0.00 min

Lab File: VN050365.D

Acq: 4 Aug 2018 14:32

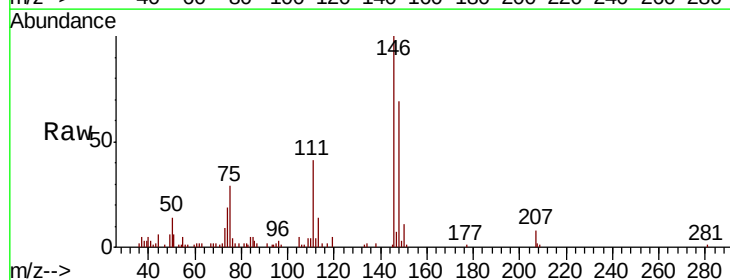
Tgt Ion:146 Resp: 27840

Ion Ratio Lower Upper

146 100

111 42.4 19.6 58.7

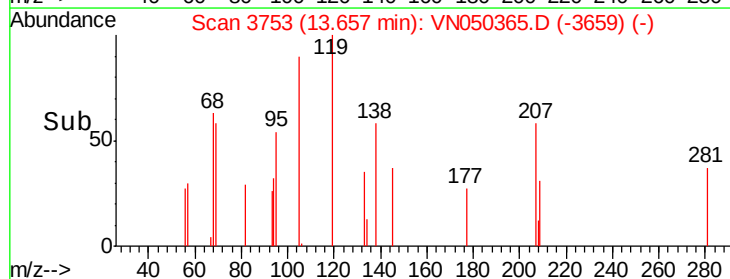
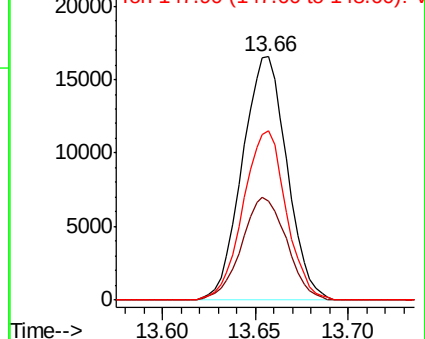
148 66.9 32.1 96.3

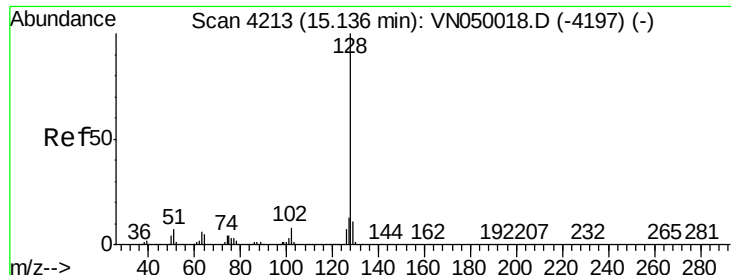


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#95
Naphthalene
Concen: 7.32 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN050365.D
Acq: 4 Aug 2018 14:32

Instrument :
MSVOA_N
ClientSampleId :
MW-23

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.2	10.4	15.6
129	11.9	8.8	13.2

