

Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN080418\
 Data File : VN050370.D
 Acq On : 4 Aug 2018 16:36
 Operator : MD\SY
 Sample : J4356-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-12

Quant Time: Aug 13 05:59:19 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	722299	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1147081	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1030098	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	471913	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	491201	48.74	ug/l	0.00
Spiked Amount			Recovery	=	97.48%	
35) Dibromofluoromethane	7.59	113	436420	46.60	ug/l	0.00
Spiked Amount			Recovery	=	93.20%	
50) Toluene-d8	10.09	98	1613477	46.86	ug/l	0.00
Spiked Amount			Recovery	=	93.72%	
62) 4-Bromofluorobenzene	12.40	95	520927	45.95	ug/l	0.00
Spiked Amount			Recovery	=	91.90%	

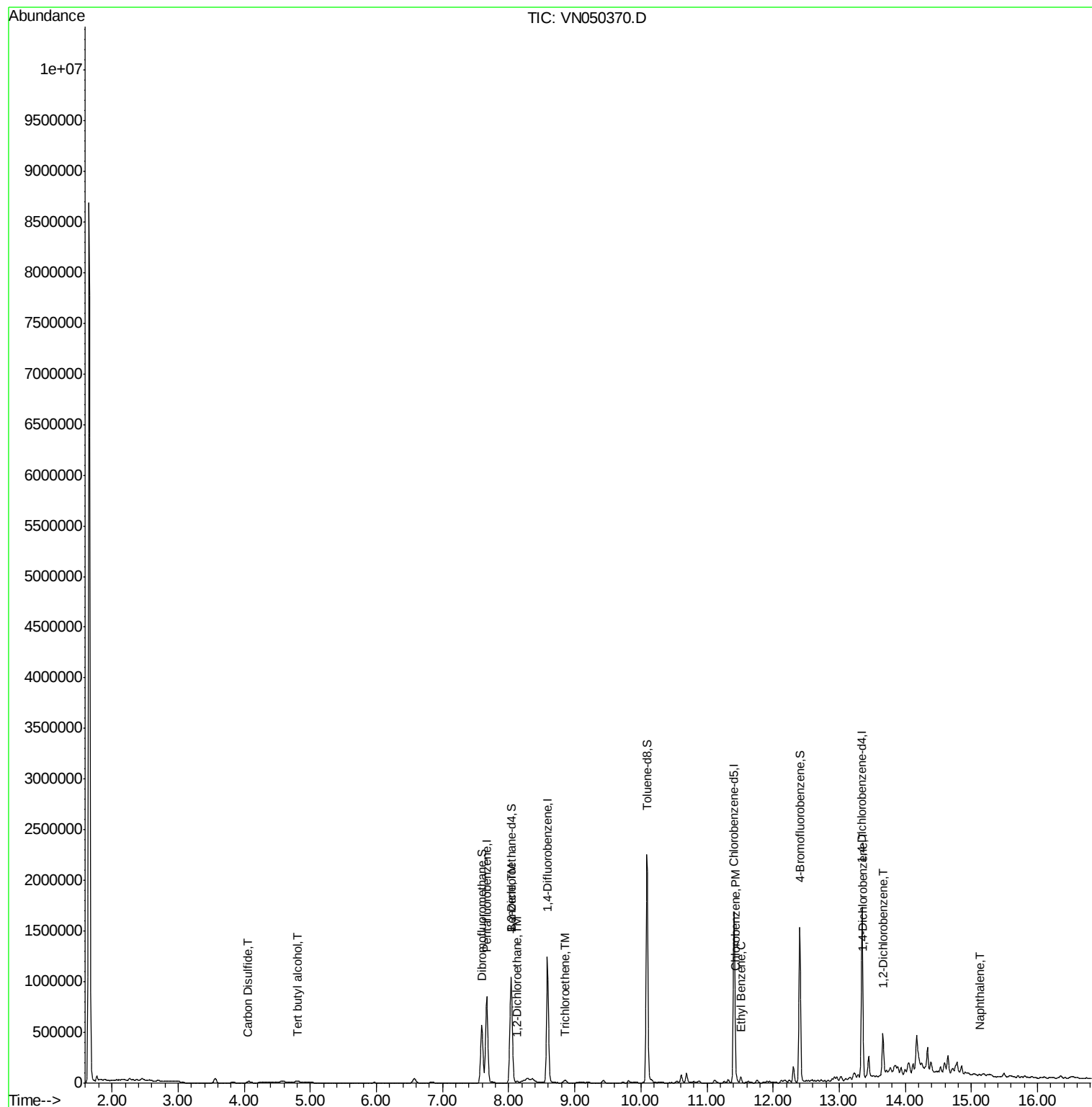
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.80	59	18210	24.56	ug/l #	88
17) Carbon Disulfide	4.05	76	15846	0.62	ug/l	99
40) Benzene	8.04	78	646599	16.44	ug/l	99
42) 1,2-Dichloroethane	8.13	62	9678	0.74	ug/l	86
44) Trichloroethene	8.84	130	7024	0.66	ug/l	84
65) Chlorobenzene	11.44	112	16926	0.65	ug/l	96
67) Ethyl Benzene	11.51	91	42419	1.01	ug/l	97
88) 1,4-Dichlorobenzene	13.37	146	6945	0.41	ug/l #	62
91) 1,2-Dichlorobenzene	13.65	146	52304	3.04	ug/l	95
95) Naphthalene	15.14	128	7380	4.73	ug/l #	92

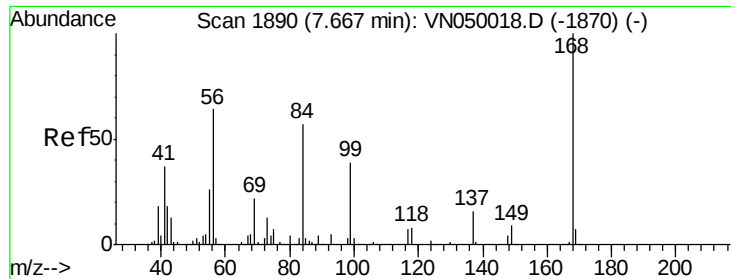
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN050370.D

Acq: 4 Aug 2018 16:36

Instrument :

MSVOA_N

ClientSampleId :

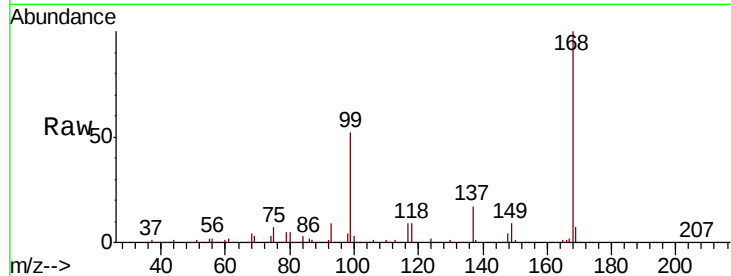
MW-12

Tot Ion:168 Resp: 722299

Ion Ratio Lower Upper

168 100

99 52.3 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

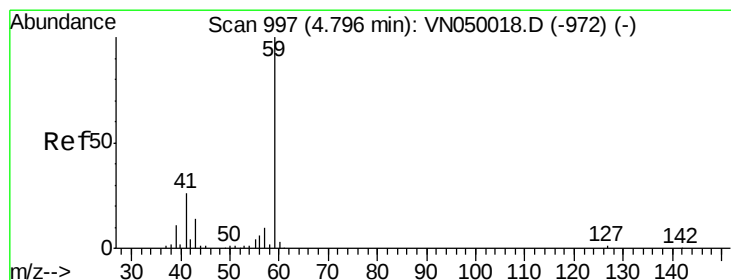
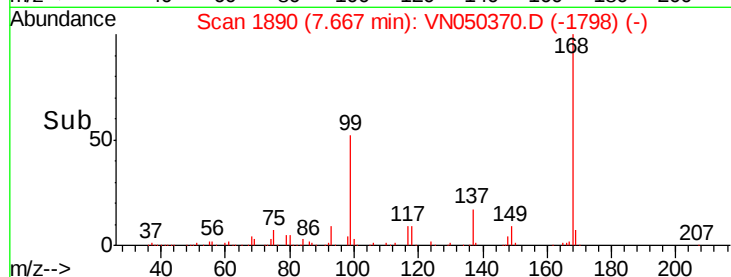
300000

200000

100000

0

Time-->



#11

Tert butyl alcohol

Concen: 24.56 ug/l

RT: 4.80 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN050370.D

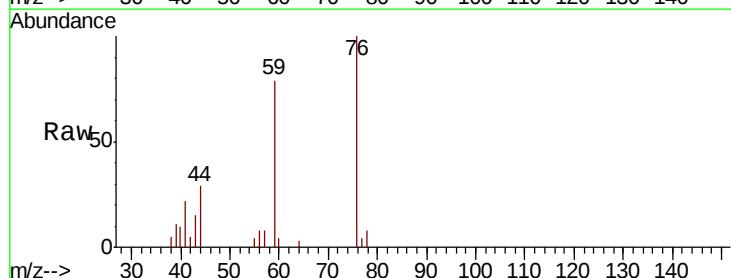
Acq: 4 Aug 2018 16:36

Tgt Ion: 59 Resp: 18210

Ion Ratio Lower Upper

59 100

57 6.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN

4.80

6000

5000

4000

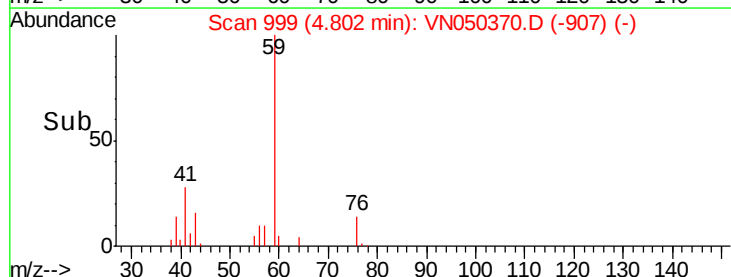
3000

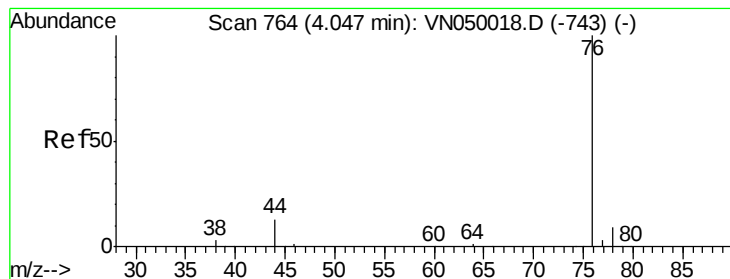
2000

1000

0

Time-->





#17

Carbon Disulfide

Concen: 0.62 ug/l

RT: 4.05 min Scan# 765

Delta R.T. 0.00 min

Lab File: VN050370.D

Acq: 4 Aug 2018 16:36

Instrument :

MSVOA_N

ClientSampleId :

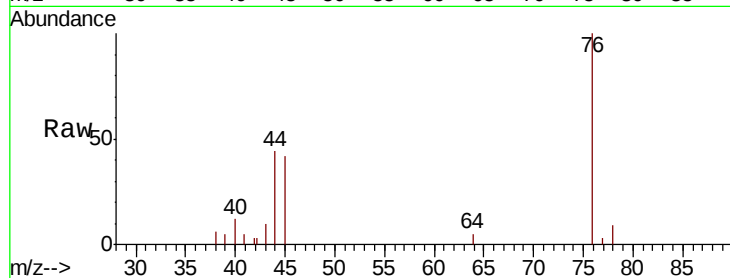
MW-12

Tot Ion: 76 Resp: 15846

Ion Ratio Lower Upper

76 100

78 9.3 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VN050018.D (-743) (-)

Ion 77.90 (77.60 to 78.60): VN050018.D (-743) (-)

4.05

6000

5000

4000

3000

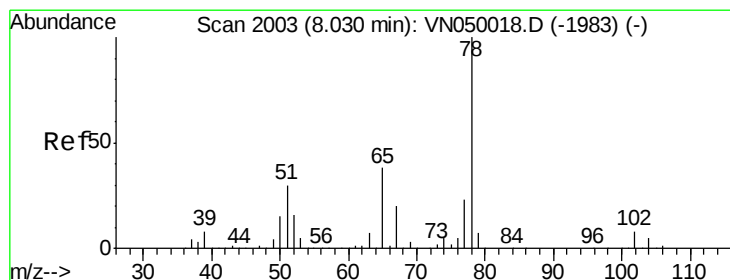
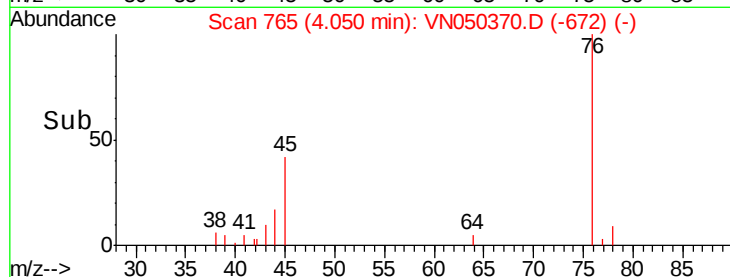
2000

1000

0

Time-->

3.95 4.00 4.05 4.10 4.15



#33

1,2-Dichloroethane-d4

Concen: 48.74 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN050370.D

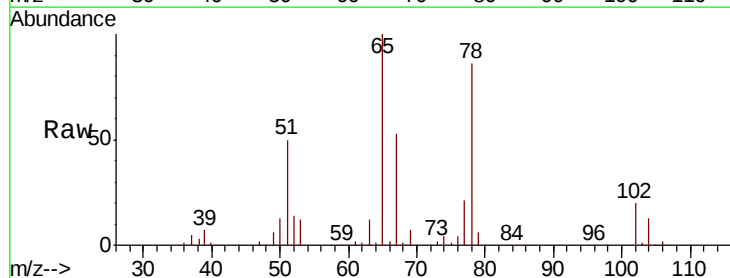
Acq: 4 Aug 2018 16:36

Tgt Ion: 65 Resp: 491201

Ion Ratio Lower Upper

65 100

67 53.6 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VN050018.D (-1983) (-)

Ion 66.90 (66.60 to 67.60): VN050018.D (-1983) (-)

8.03

250000

200000

150000

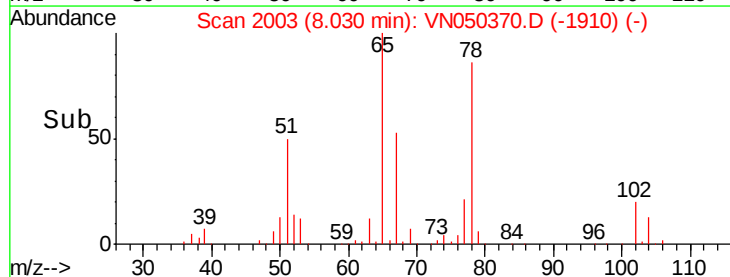
100000

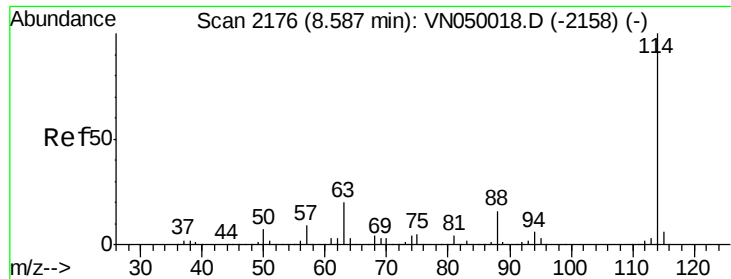
50000

0

Time-->

7.90 8.00 8.10

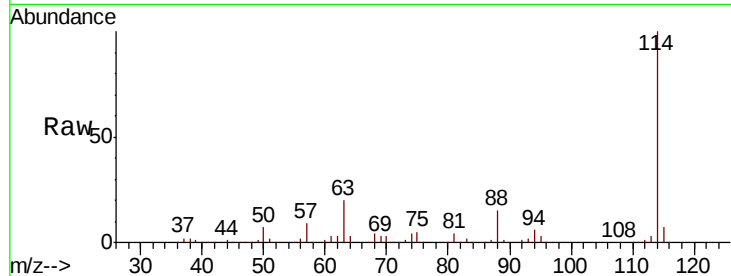




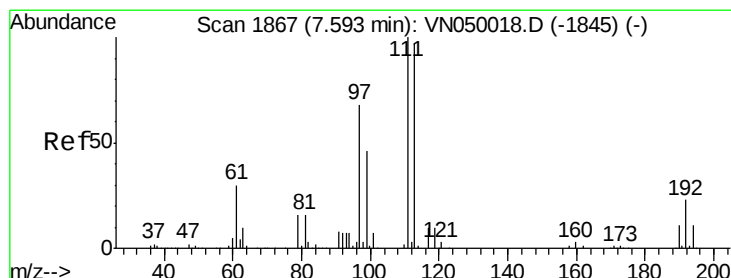
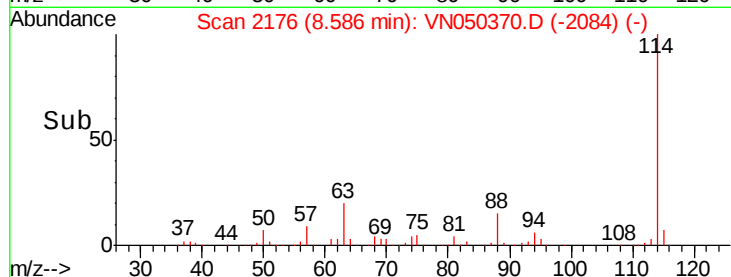
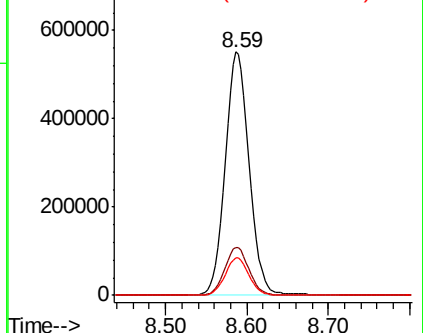
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN050370.D
 Acq: 4 Aug 2018 16:36

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-12

Tot Ion:114 Resp: 1147081
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 40.0
 88 15.3 0.0 31.2

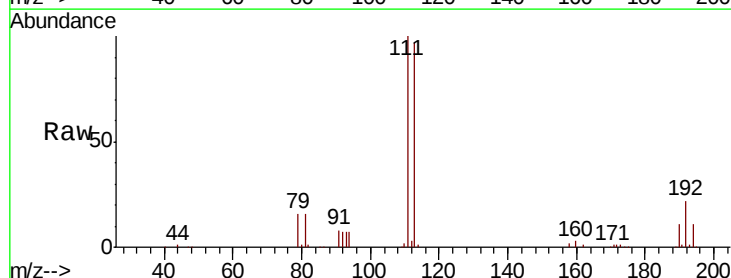


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

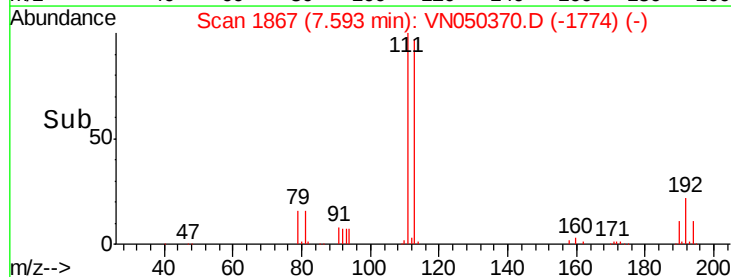
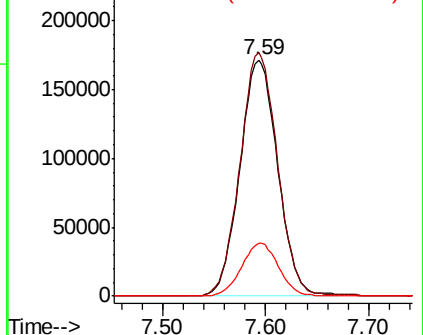


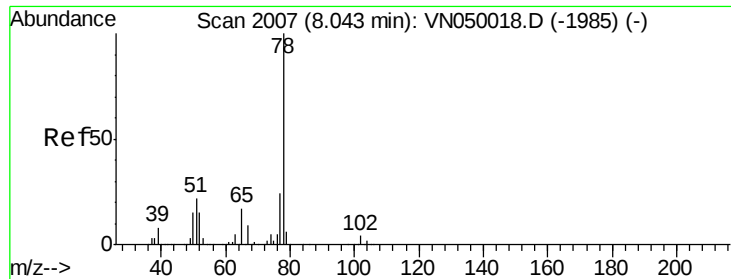
#35
 Dibromofluoromethane
 Concen: 46.60 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050370.D
 Acq: 4 Aug 2018 16:36

Tgt Ion:113 Resp: 436420
 Ion Ratio Lower Upper
 113 100
 111 103.0 80.7 121.1
 192 22.0 17.8 26.6



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





#40

Benzene

Concen: 16.44 ug/l

RT: 8.04 min Scan# 2007

Delta R.T. 0.00 min

Lab File: VN050370.D

Acq: 4 Aug 2018 16:36

Instrument :

MSVOA_N

ClientSampleId :

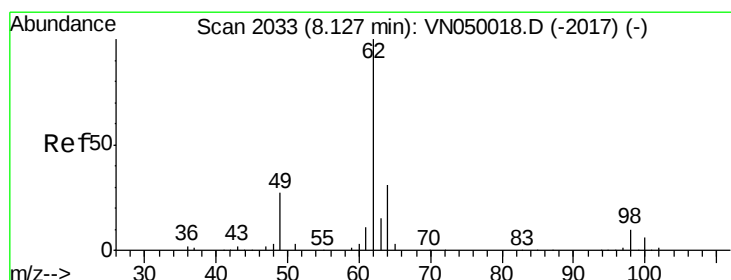
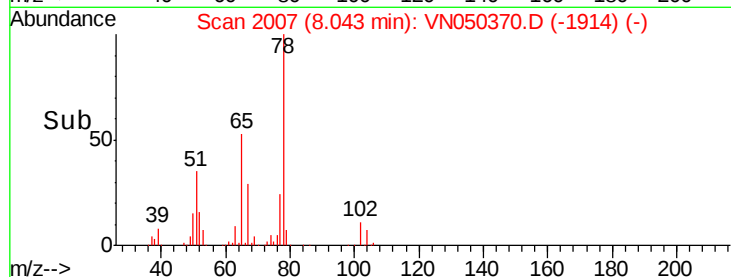
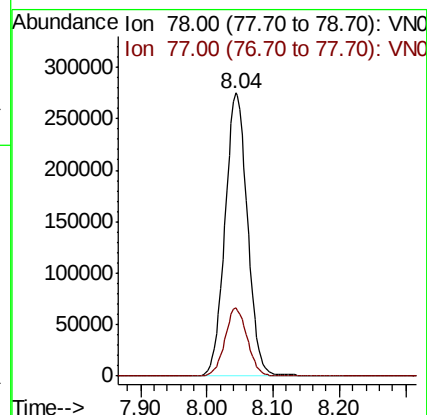
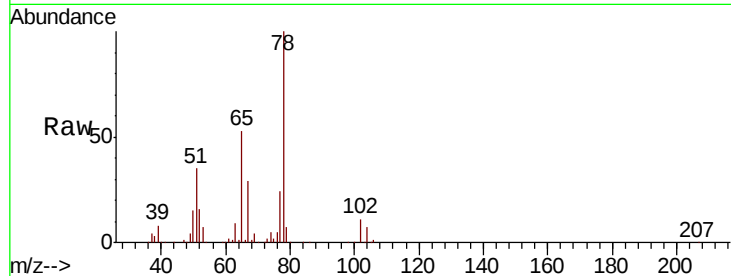
MW-12

Tot Ion: 78 Resp: 646599

Ion Ratio Lower Upper

78 100

77 24.0 18.7 28.1



#42

1,2-Dichloroethane

Concen: 0.74 ug/l

RT: 8.13 min Scan# 2034

Delta R.T. 0.00 min

Lab File: VN050370.D

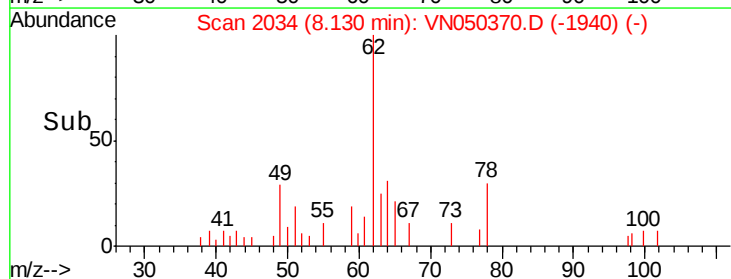
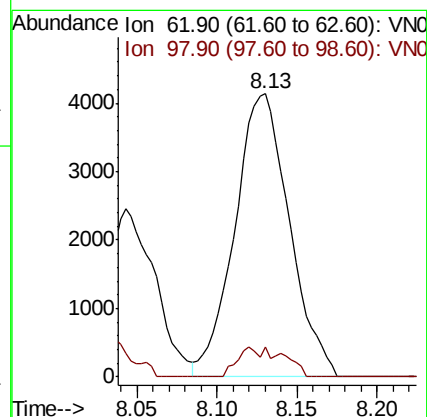
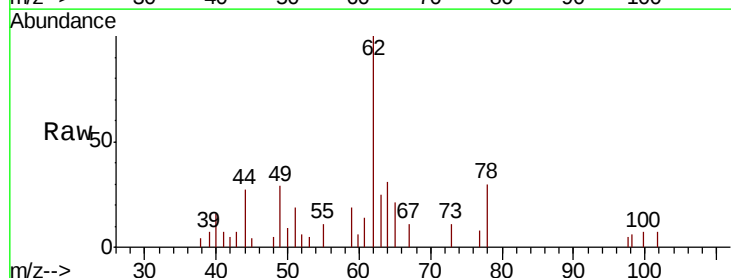
Acq: 4 Aug 2018 16:36

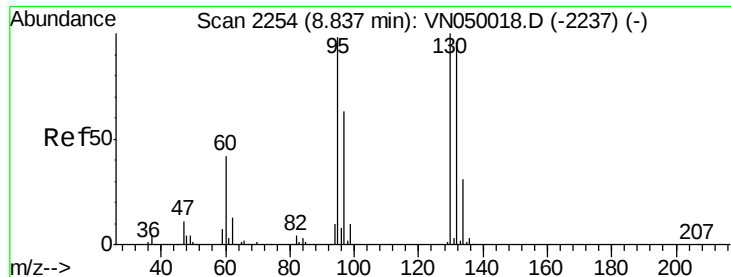
Tgt Ion: 62 Resp: 9678

Ion Ratio Lower Upper

62 100

98 4.2 0.0 18.8





#44

Trichloroethene

Concen: 0.66 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. 0.00 min

Lab File: VN050370.D

Acq: 4 Aug 2018 16:36

Instrument :

MSVOA_N

ClientSampleId :

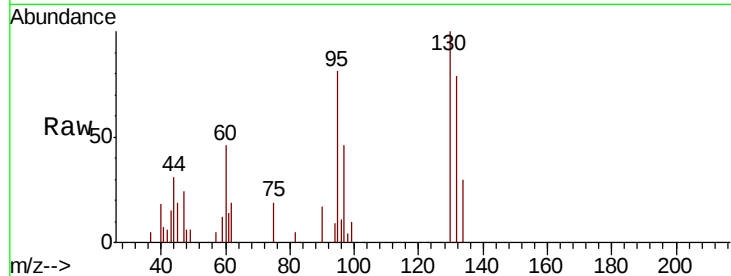
MW-12

Tot Ion:130 Resp: 7024

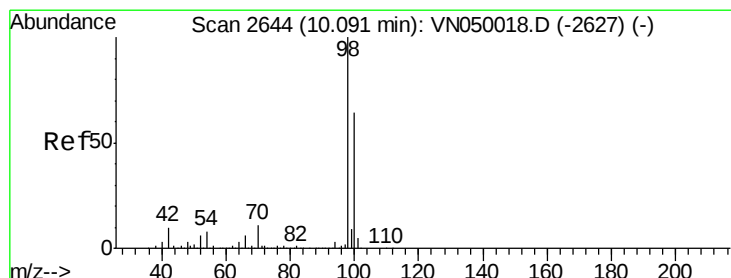
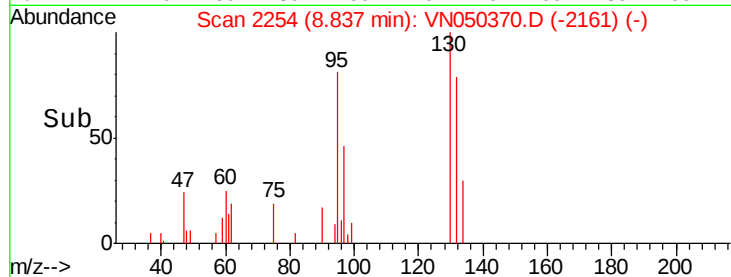
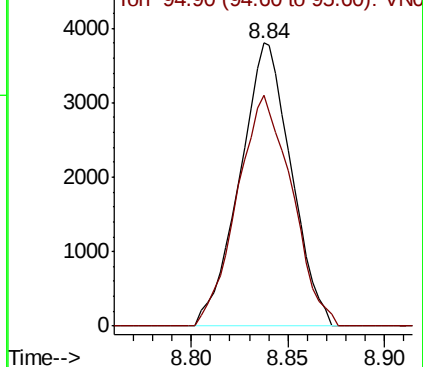
Ion Ratio Lower Upper

130 100

95 81.5 0.0 194.6



Abundance Ion 129.80 (129.50 to 130.50): VN050018.D (-2237) (-)



#50

Toluene-d8

Concen: 46.86 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VN050370.D

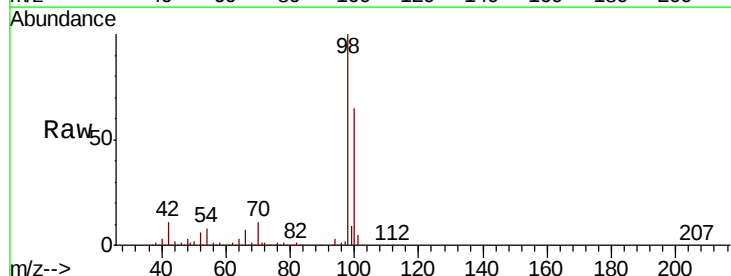
Acq: 4 Aug 2018 16:36

Tgt Ion: 98 Resp: 1613477

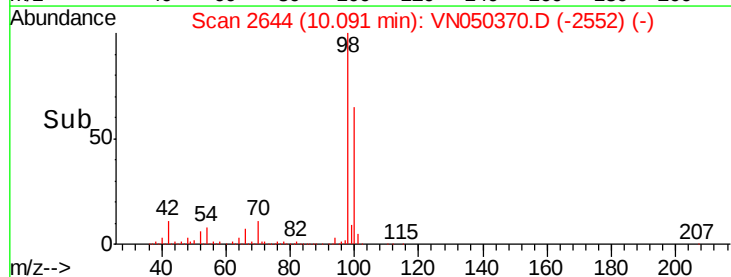
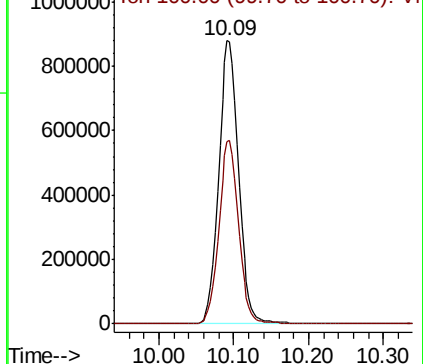
Ion Ratio Lower Upper

98 100

100 64.2 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN050018.D (-2627) (-)

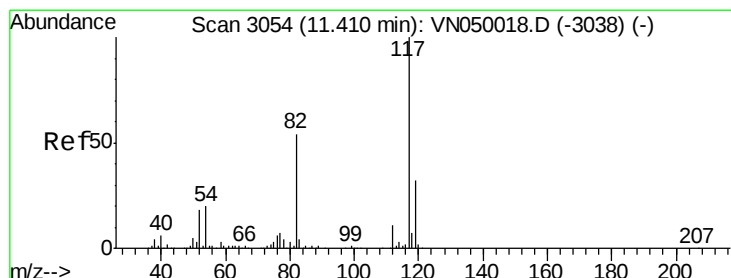
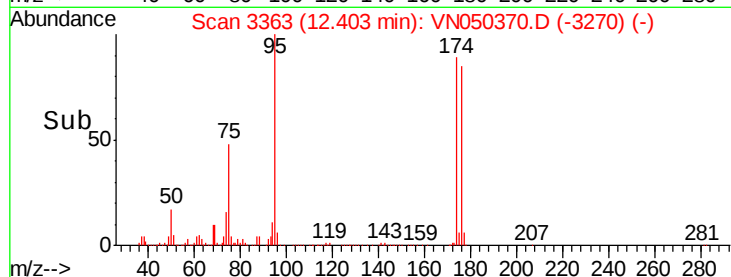
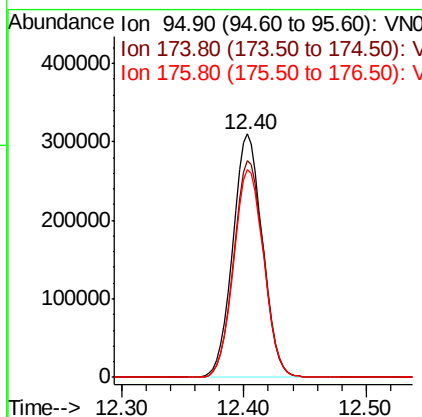
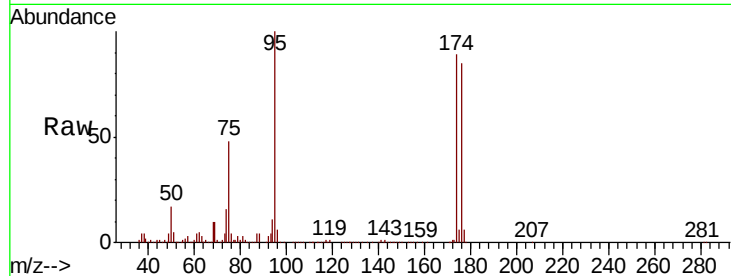




#62
4-Bromofluorobenzene
Concen: 45.95 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN050370.D
Acq: 4 Aug 2018 16:36

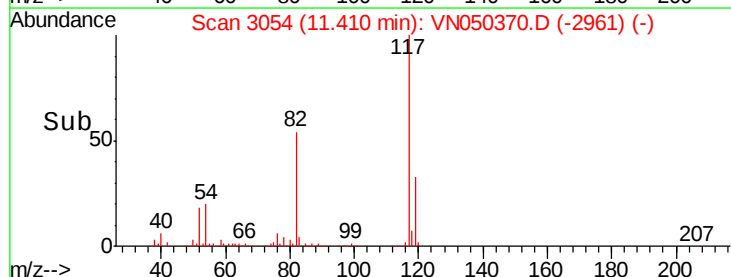
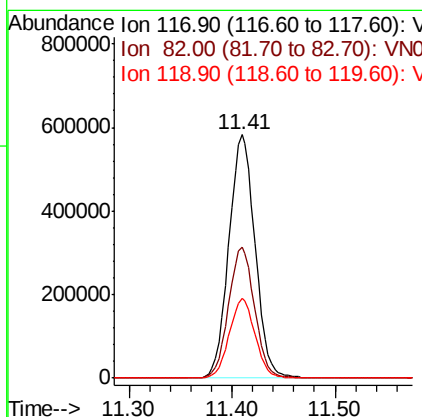
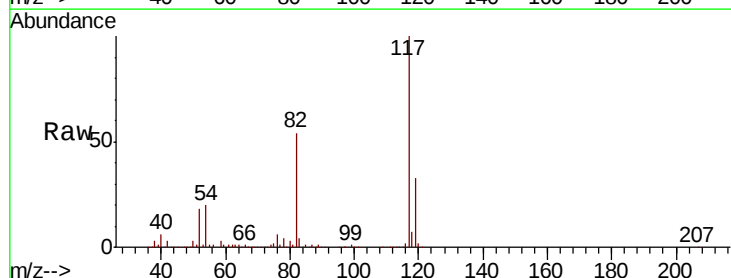
Instrument :
MSVOA_N
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MW-12

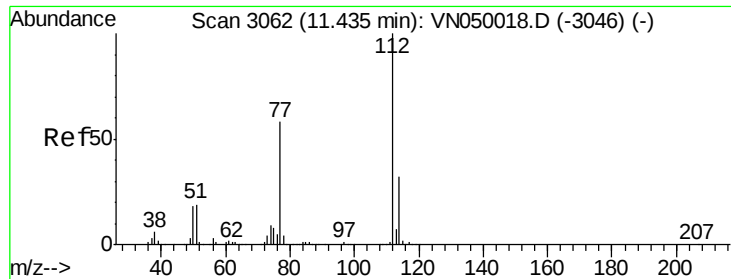
Tot Ion: 95 Resp: 520927
Ion Ratio Lower Upper
95 100
174 90.3 0.0 178.2
176 87.0 0.0 173.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050370.D
Acq: 4 Aug 2018 16:36

Tgt Ion: 117 Resp: 1030098
Ion Ratio Lower Upper
117 100
82 53.9 43.7 65.5
119 32.6 26.1 39.1





#65

Chlorobenzene

Concen: 0.65 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN050370.D

Acq: 4 Aug 2018 16:36

Instrument :

MSVOA_N

ClientSampled :

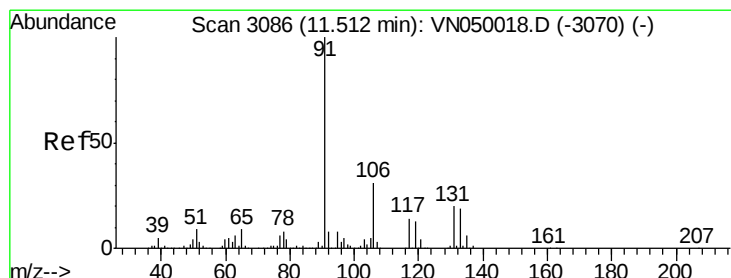
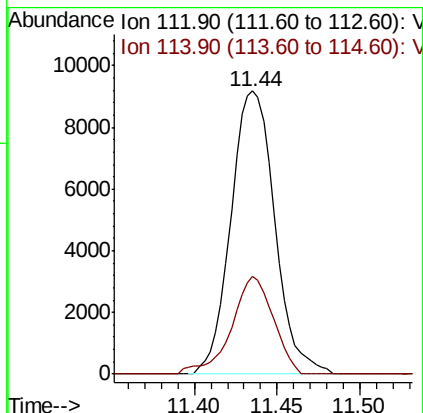
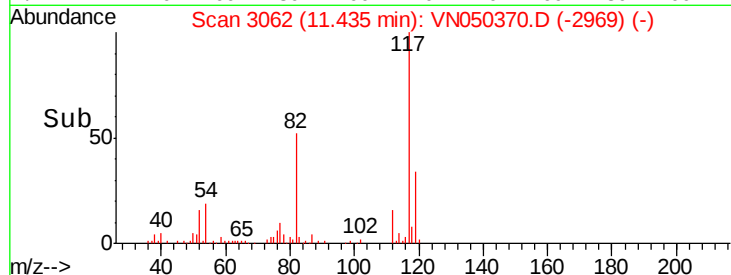
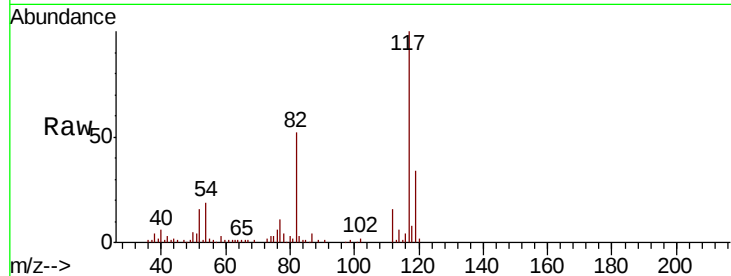
MW-12

Tot Ion:112 Resp: 16926

Ion Ratio Lower Upper

112 100

114 34.5 25.6 38.4



#67

Ethyl Benzene

Concen: 1.01 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN050370.D

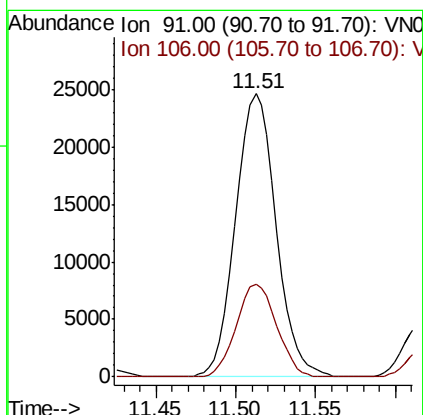
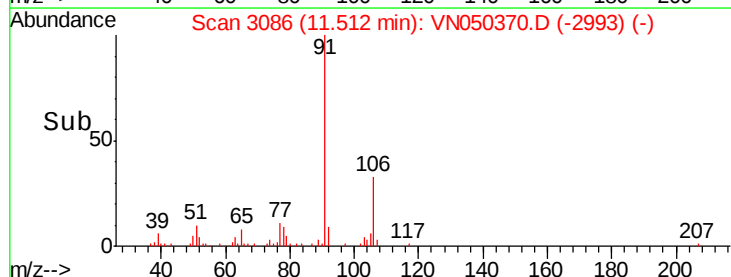
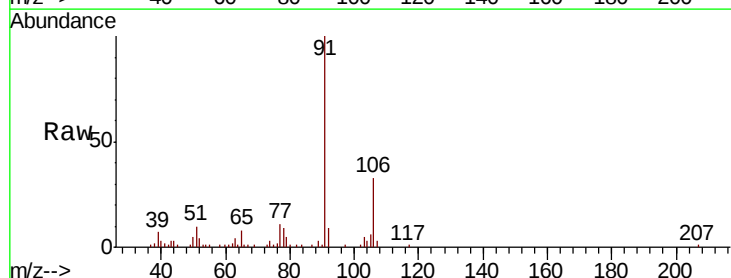
Acq: 4 Aug 2018 16:36

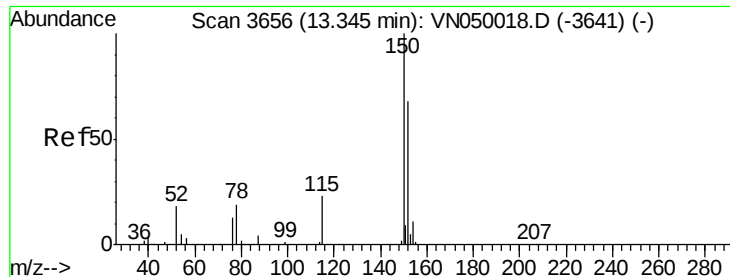
Tgt Ion: 91 Resp: 42419

Ion Ratio Lower Upper

91 100

106 32.6 25.0 37.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN050370.D

Acq: 4 Aug 2018 16:36

Instrument :

MSVOA_N

ClientSampleId :

MW-12

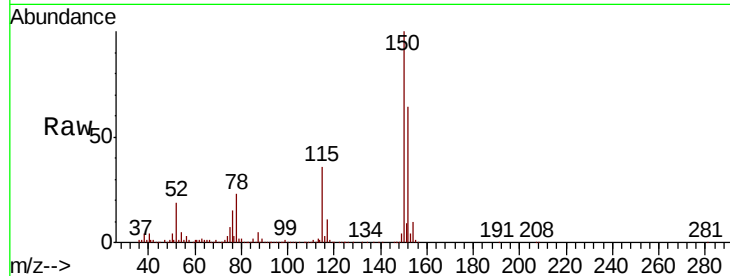
Tot Ion:152 Resp: 471913

Ion Ratio Lower Upper

152 100

115 56.3 27.8 83.3

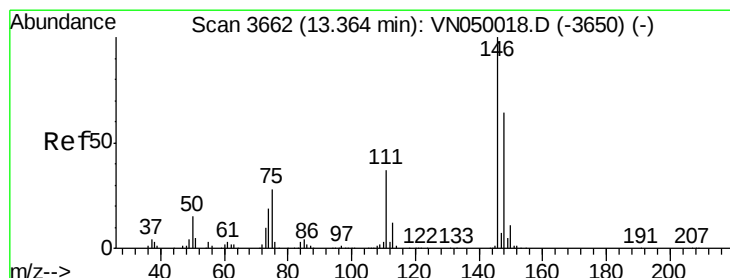
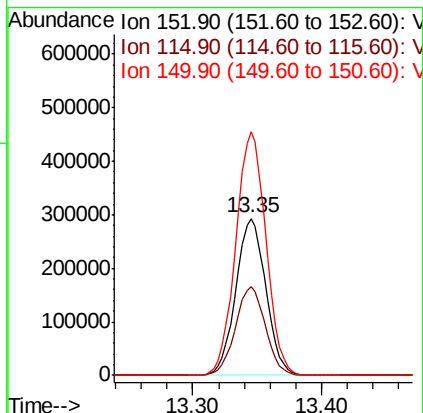
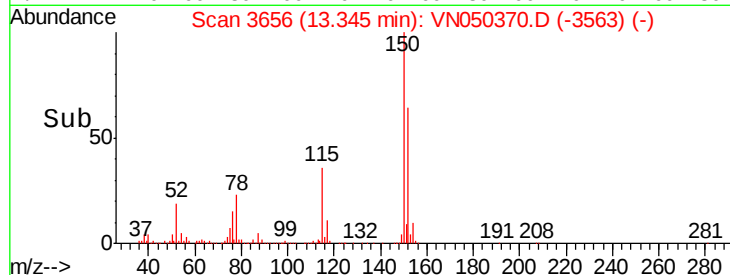
150 156.5 0.0 348.6



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



#88

1,4-Dichlorobenzene

Concen: 0.41 ug/l

RT: 13.37 min Scan# 3663

Delta R.T. 0.00 min

Lab File: VN050370.D

Acq: 4 Aug 2018 16:36

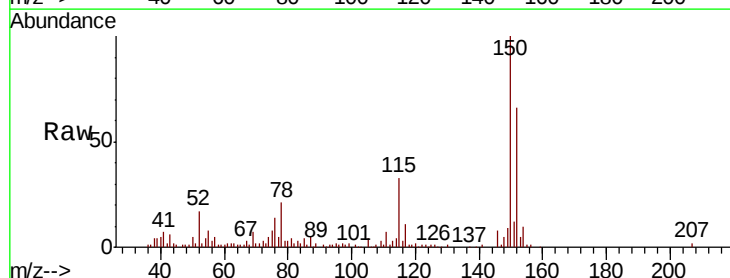
Tgt Ion:146 Resp: 6945

Ion Ratio Lower Upper

146 100

111 0.0 18.3 54.9#

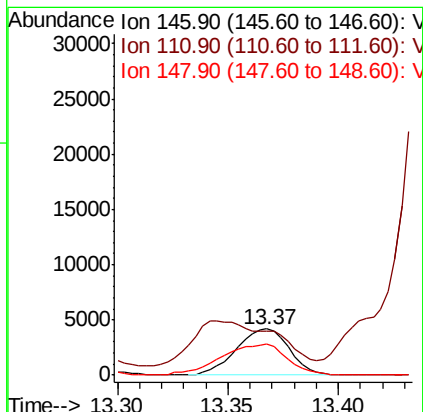
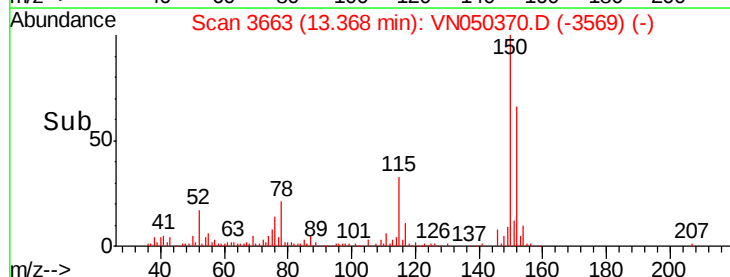
148 83.3 31.9 95.9

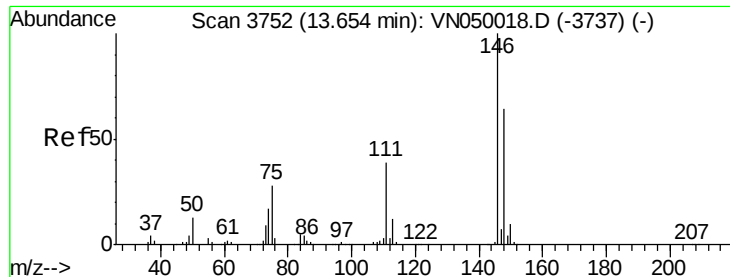


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#91

1,2-Dichlorobenzene

Concen: 3.04 ug/l

RT: 13.65 min Scan# 3752

Delta R.T. 0.00 min

Lab File: VN050370.D

Acq: 4 Aug 2018 16:36

Instrument :

MSVOA_N

ClientSampleId :

MW-12

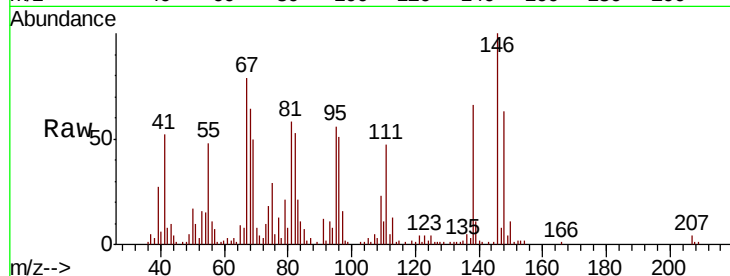
Tot Ion:146 Resp: 52304

Ion Ratio Lower Upper

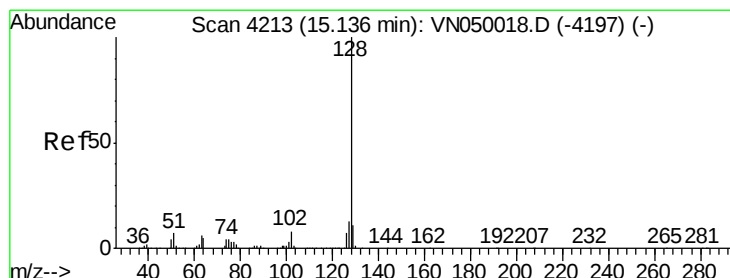
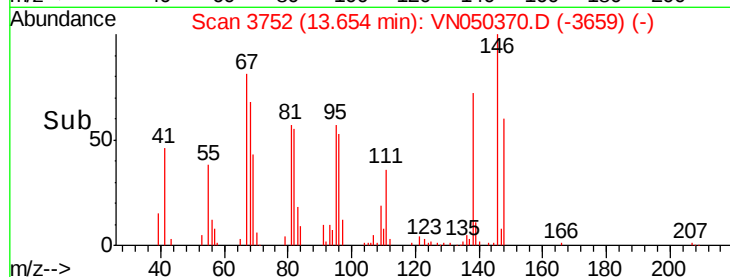
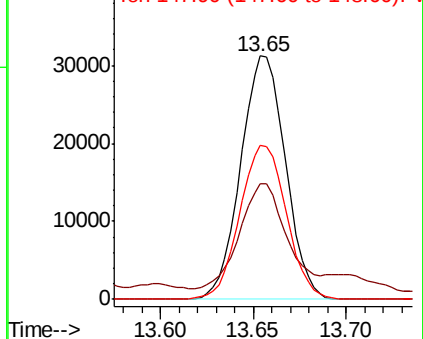
146 100

111 45.0 19.6 58.7

148 65.7 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: 4.73 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN050370.D

Acq: 4 Aug 2018 16:36

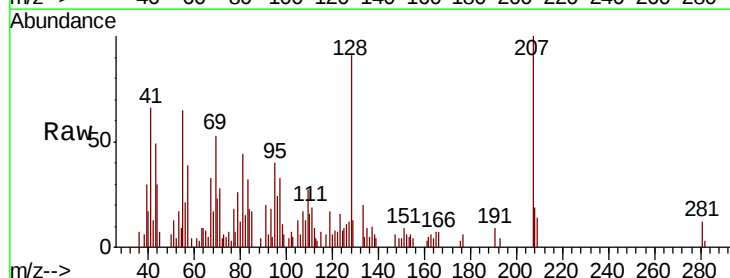
Tgt Ion:128 Resp: 7380

Ion Ratio Lower Upper

128 100

127 12.7 10.4 15.6

129 4.4 8.8 13.2#



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

