

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050609.D
 Acq On : 14 Aug 2018 18:04
 Operator : MD\SY
 Sample : J4469-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 956-IW-13(19)

Quant Time: Aug 15 12:40:58 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

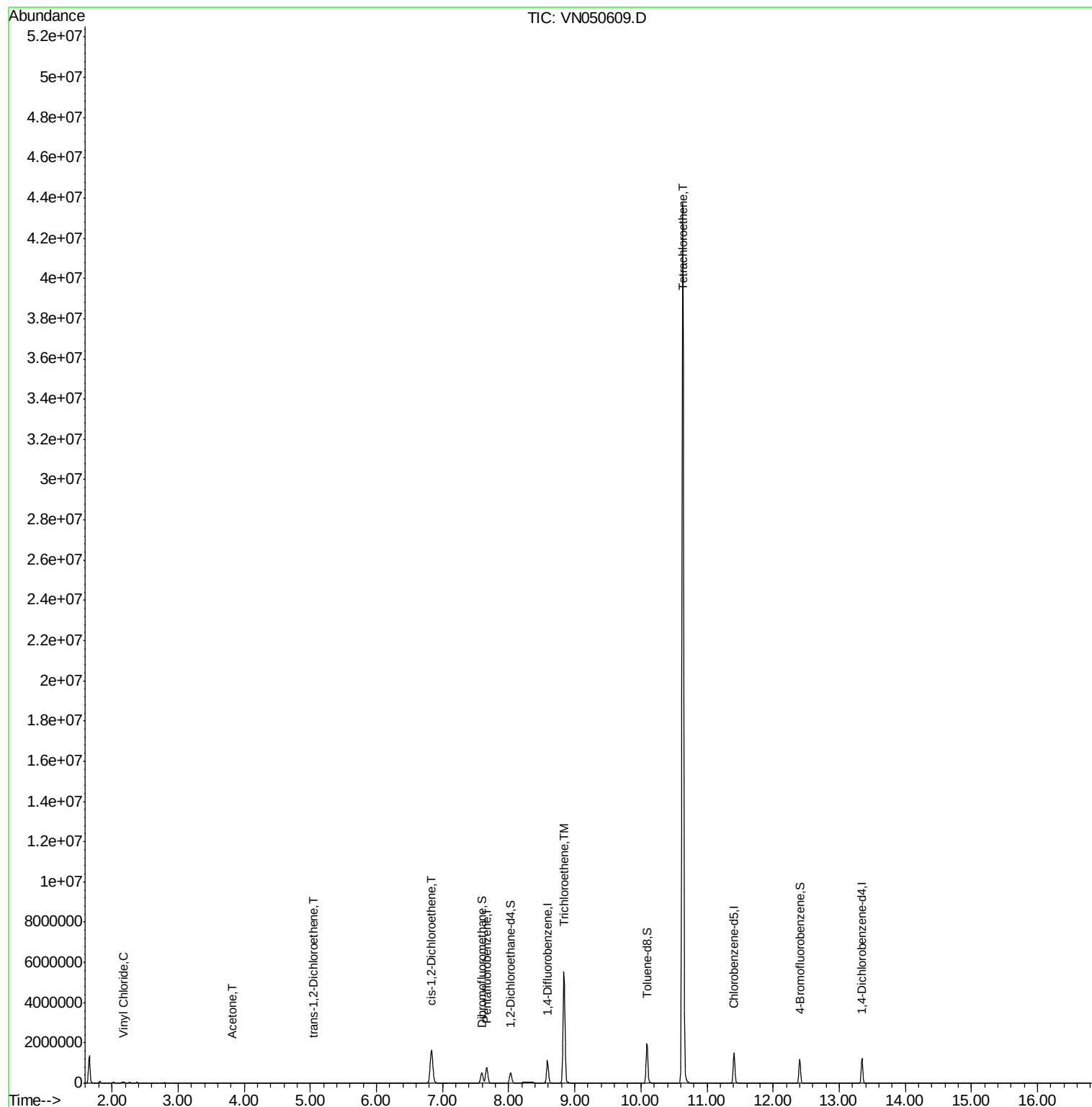
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	688391	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1038805	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	917106	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	352173	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	431307	49.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.42%	
35) Dibromofluoromethane	7.59	113	403724	48.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.36%	
50) Toluene-d8	10.09	98	1441603	46.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.38%	
62) 4-Bromofluorobenzene	12.40	95	411140	39.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	79.74%	
Target Compounds						
4) Vinyl Chloride	2.18	62	6001	0.58	ug/l	96
16) Acetone	3.82	43	16869	6.37	ug/l	96
21) trans-1,2-Dichloroethene	5.05	96	14756	1.82	ug/l	90
27) cis-1,2-Dichloroethene	6.83	96	1139205	126.34	ug/l	92
44) Trichloroethene	8.84	130	2131186	226.16	ug/l	100
64) Tetrachloroethene	10.63	164	10697130	1255.97	ug/l	98

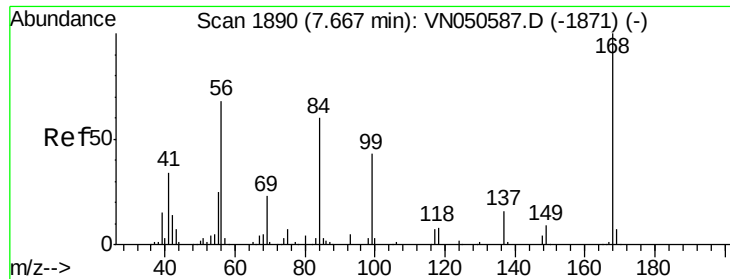
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN050609.D

Acq: 14 Aug 2018 18:04

Instrument :

MSVOA_N

ClientSampleId :

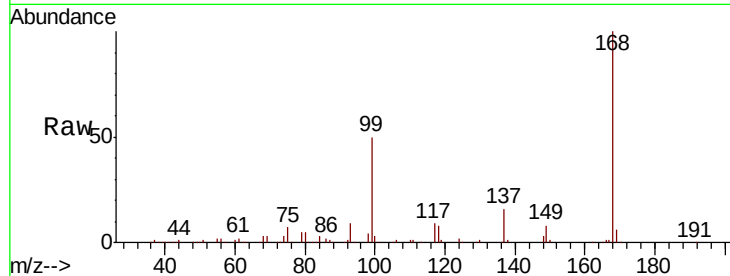
956-IW-13(19)

Tot Ion:168 Resp: 688391

Ion Ratio Lower Upper

168 100

99 50.4 40.8 61.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

300000

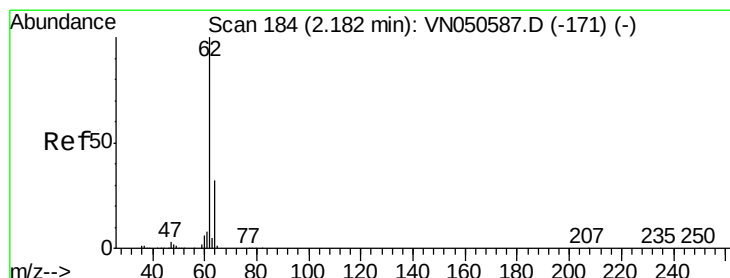
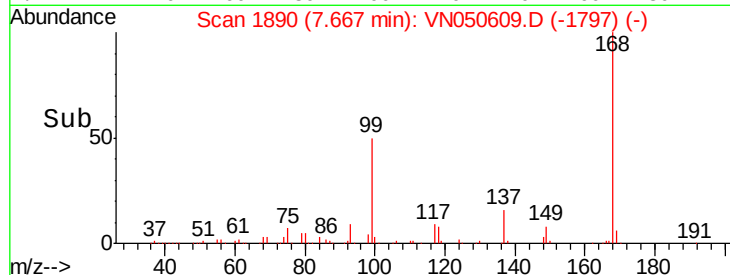
200000

100000

0

7.60 7.70 7.80

Time-->



#4

Vinyl Chloride

Concen: 0.58 ug/l

RT: 2.18 min Scan# 184

Delta R.T. -0.00 min

Lab File: VN050609.D

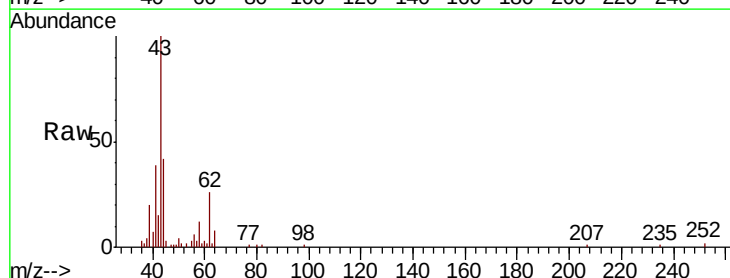
Acq: 14 Aug 2018 18:04

Tgt Ion: 62 Resp: 6001

Ion Ratio Lower Upper

62 100

64 29.3 25.2 37.8



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

2.18

4000

3000

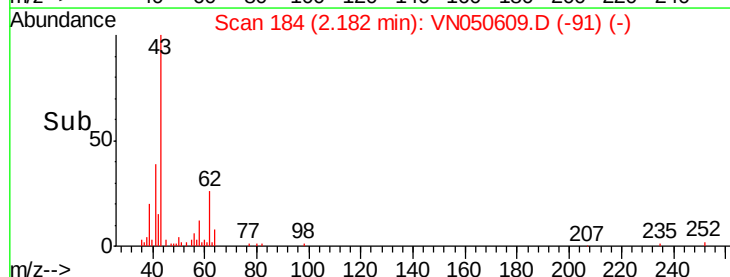
2000

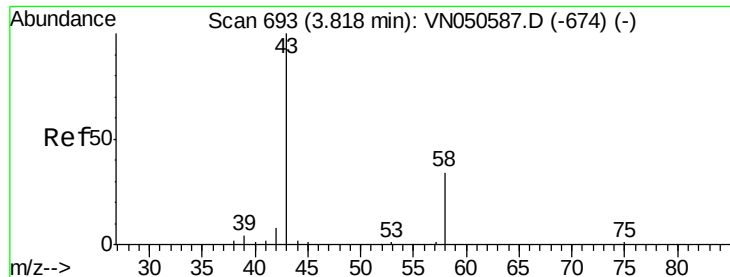
1000

0

2.15 2.20

Time-->





#16

Acetone

Concen: 6.37 ug/l

RT: 3.82 min Scan# 694

Delta R.T. 0.00 min

Lab File: VN050609.D

Acq: 14 Aug 2018 18:04

Instrument :

MSVOA_N

ClientSampled :

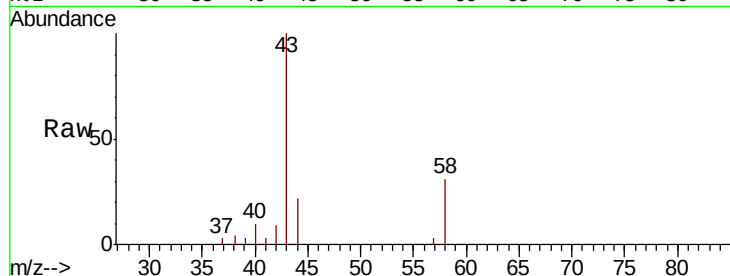
956-IW-13(19)

Tot Ion: 43 Resp: 16869

Ion Ratio Lower Upper

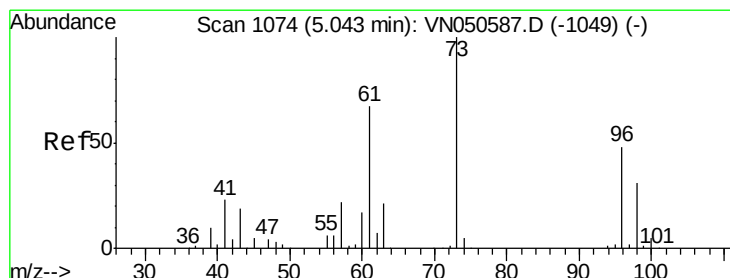
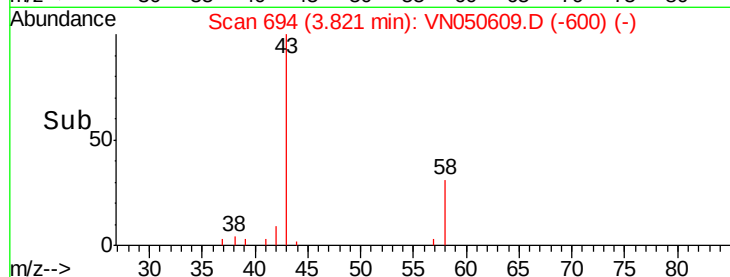
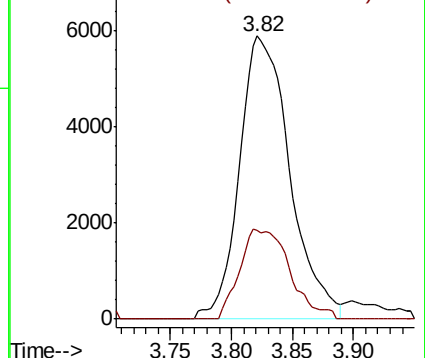
43 100

58 31.5 27.1 40.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#21

trans-1,2-Dichloroethene

Concen: 1.82 ug/l

RT: 5.05 min Scan# 1075

Delta R.T. 0.00 min

Lab File: VN050609.D

Acq: 14 Aug 2018 18:04

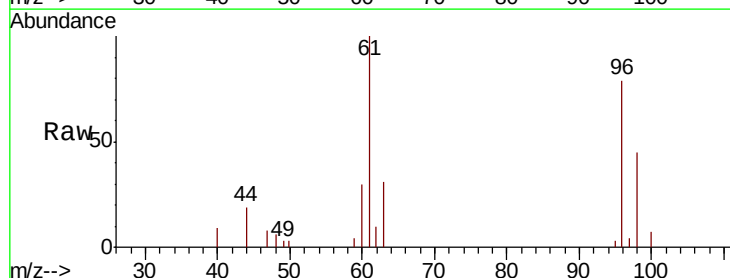
Tgt Ion: 96 Resp: 14756

Ion Ratio Lower Upper

96 100

61 127.0 111.2 166.8

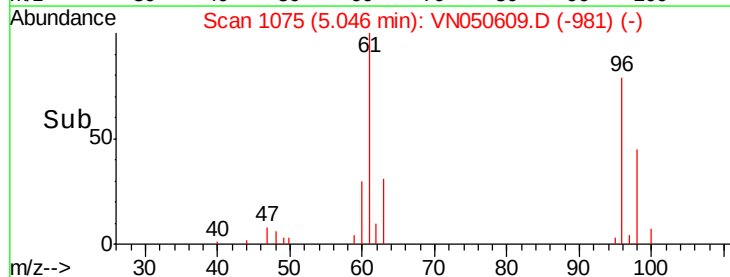
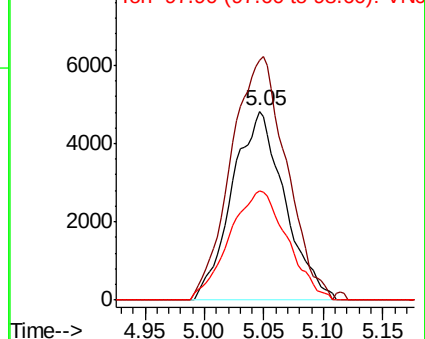
98 57.5 51.6 77.4

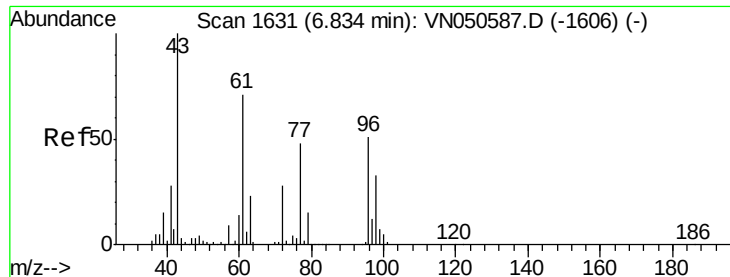


Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 126.34 ug/l

RT: 6.83 min Scan# 1631

Delta R.T. -0.00 min

Lab File: VN050609.D

Acq: 14 Aug 2018 18:04

Instrument :

MSVOA_N

ClientSampleId :

956-IW-13(19)

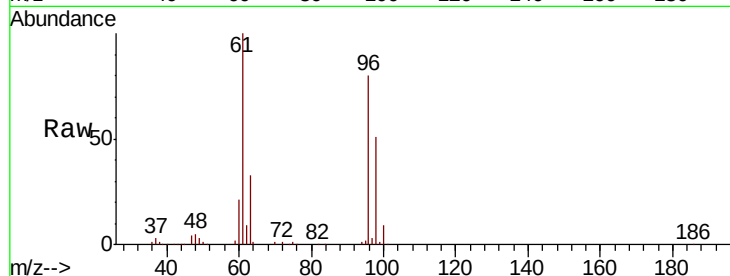
Tot Ion: 96 Resp: 1139205

Ion Ratio Lower Upper

96 100

61 125.1 0.0 278.2

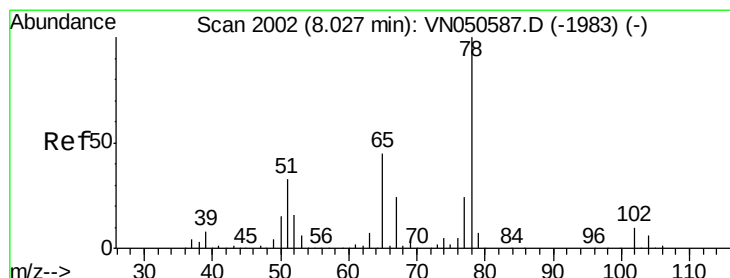
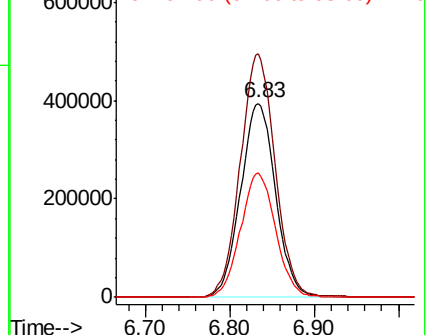
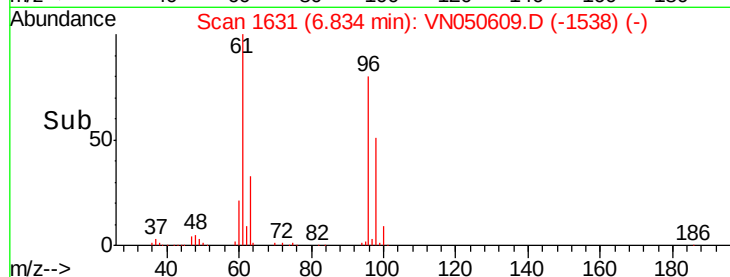
98 64.4 0.0 128.8



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#33

1,2-Dichloroethane-d4

Concen: 49.71 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN050609.D

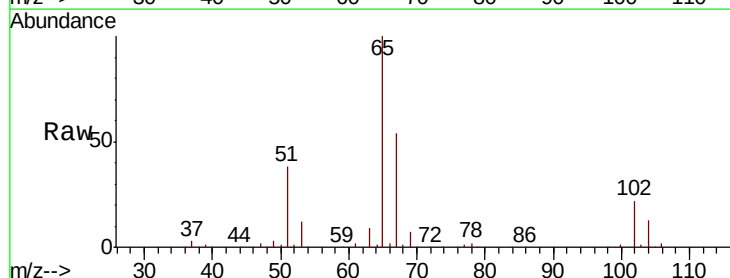
Acq: 14 Aug 2018 18:04

Tgt Ion: 65 Resp: 431307

Ion Ratio Lower Upper

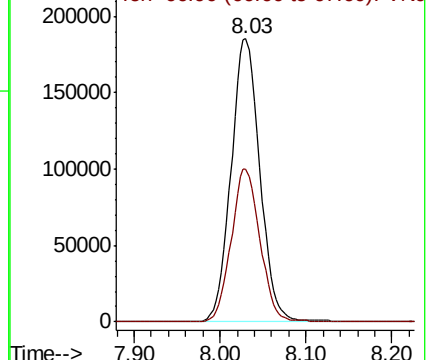
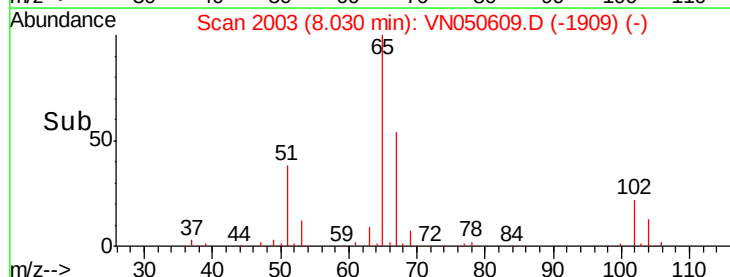
65 100

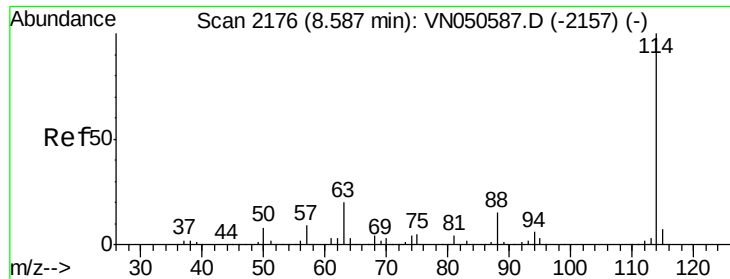
67 53.8 0.0 109.8



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

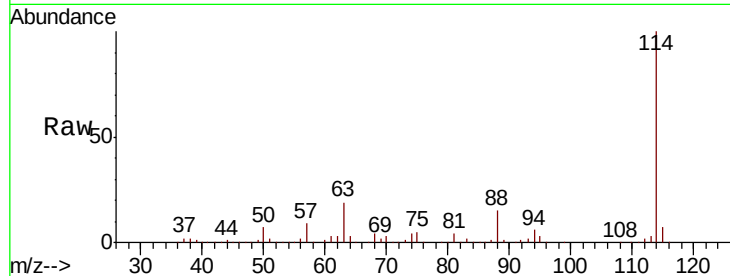




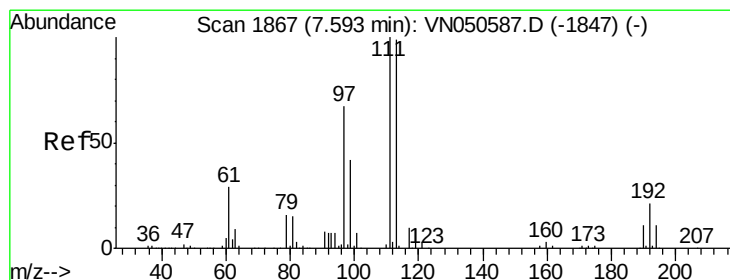
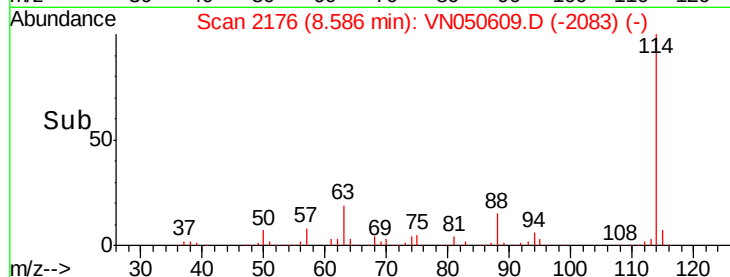
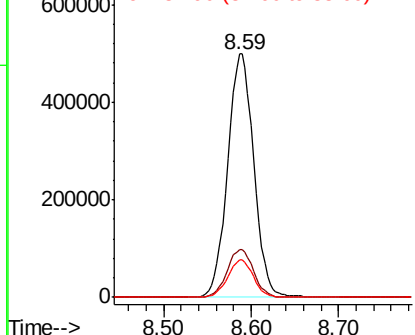
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN050609.D
 Acq: 14 Aug 2018 18:04

Instrument :
 MSVOA_N
 ClientSampleId :
 956-IW-13(19)

Tot Ion:114 Resp: 1038805
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 40.0
 88 15.5 0.0 30.8

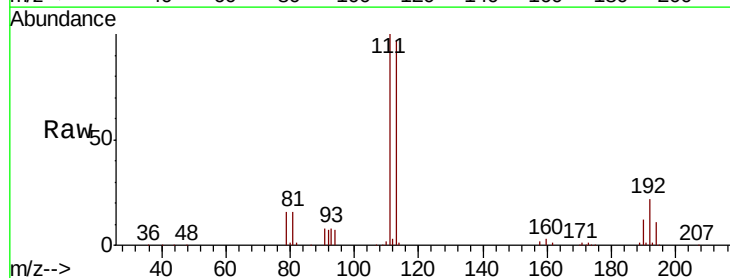


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

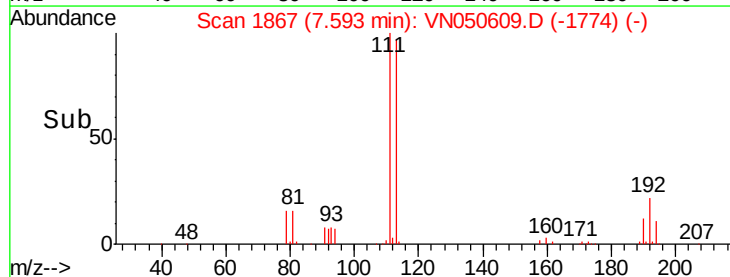
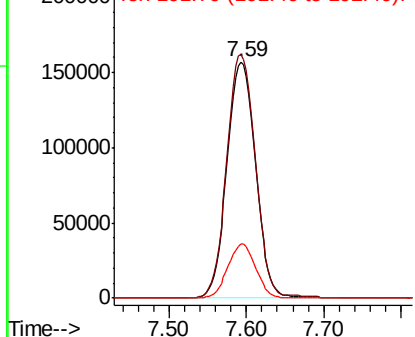


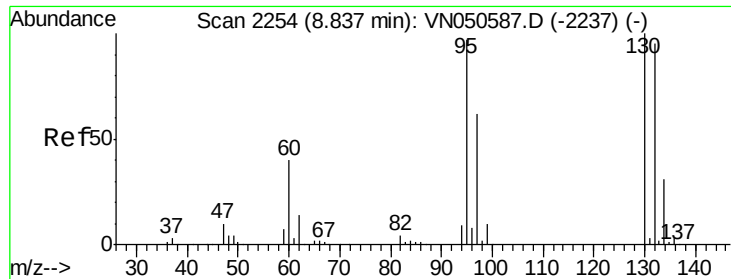
#35
 Dibromofluoromethane
 Concen: 48.68 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN050609.D
 Acq: 14 Aug 2018 18:04

Tgt Ion:113 Resp: 403724
 Ion Ratio Lower Upper
 113 100
 111 103.4 81.0 121.6
 192 22.4 17.6 26.4



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





#44

Trichloroethene

Concen: 226.16 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. -0.00 min

Lab File: VN050609.D

Acq: 14 Aug 2018 18:04

Instrument :

MSVOA_N

ClientSampleId :

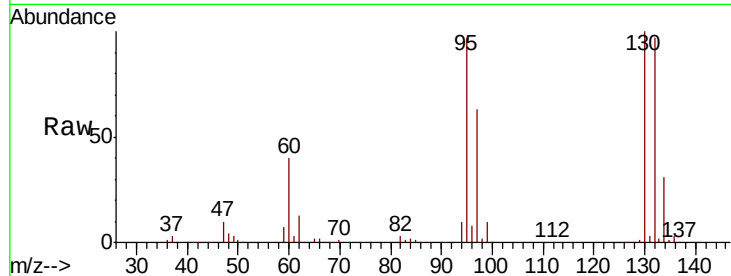
956-IW-13(19)

Tot Ion:130 Resp: 2131186

Ion Ratio Lower Upper

130 100

95 97.2 0.0 193.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN

8.84

1200000

1000000

800000

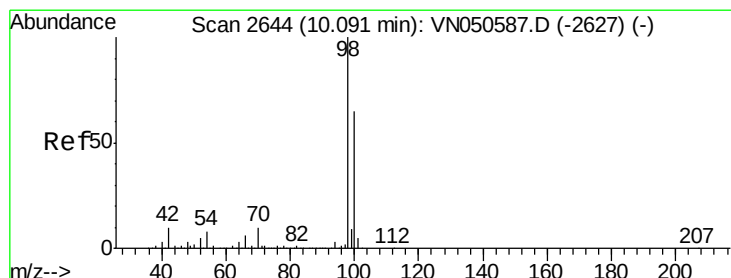
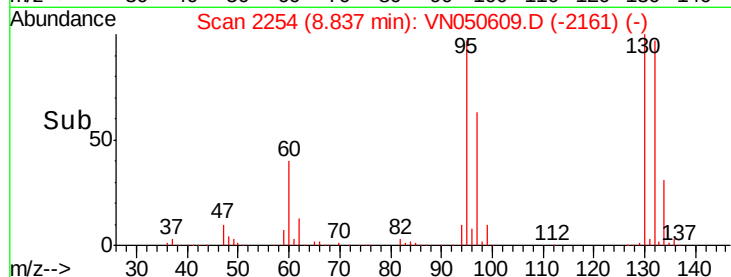
600000

400000

200000

0

Time-->



#50

Toluene-d8

Concen: 46.19 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VN050609.D

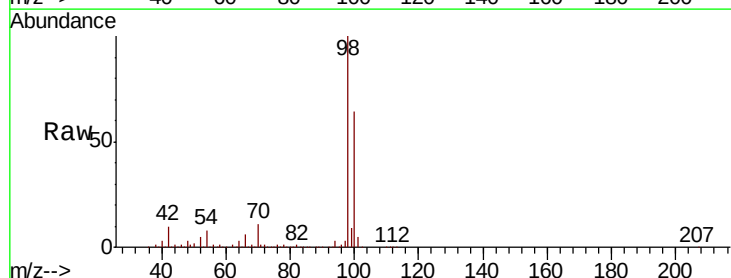
Acq: 14 Aug 2018 18:04

Tgt Ion: 98 Resp: 1441603

Ion Ratio Lower Upper

98 100

100 63.3 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN

10.09

800000

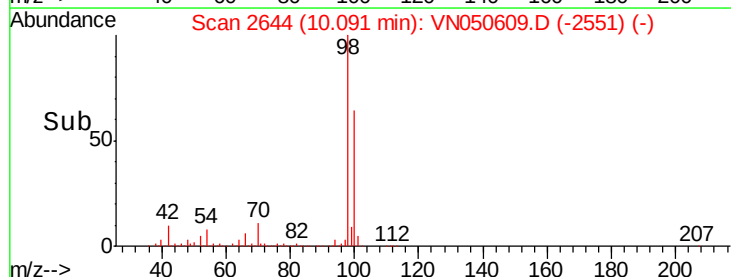
600000

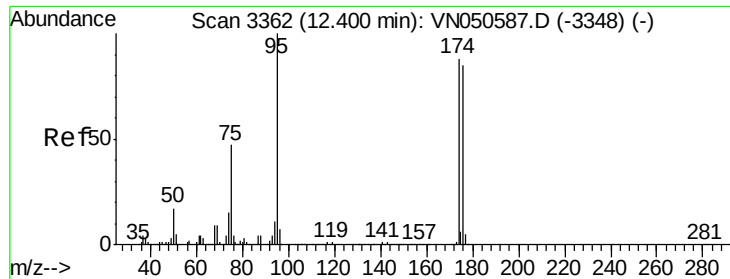
400000

200000

0

Time-->





#62

4-Bromofluorobenzene

Concen: 39.87 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050609.D

Acq: 14 Aug 2018 18:04

Instrument :

MSVOA_N

ClientSampleId :

956-IW-13(19)

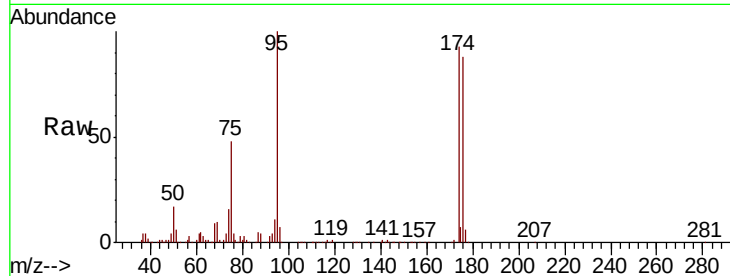
Tot Ion: 95 Resp: 411140

Ion Ratio Lower Upper

95 100

174 91.8 0.0 177.8

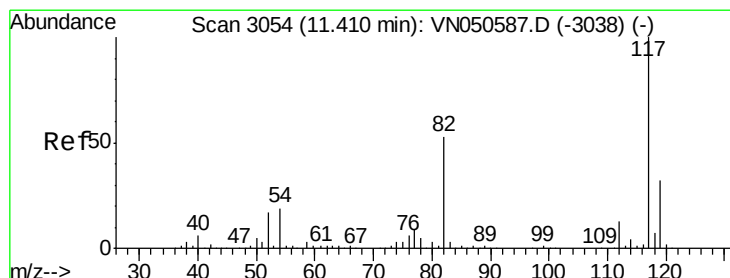
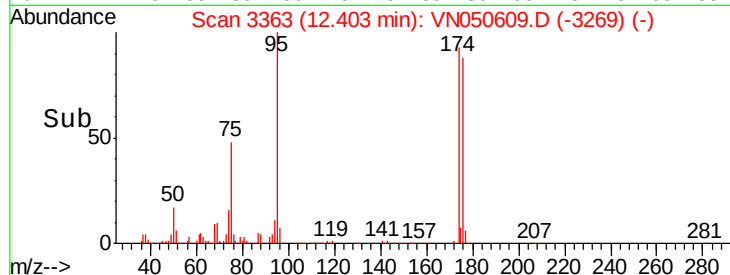
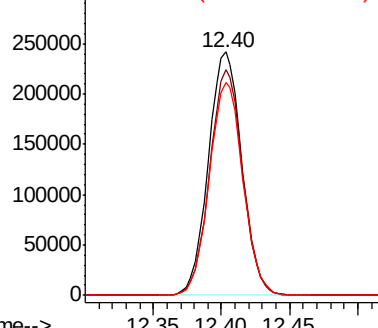
176 87.8 0.0 175.0



Abundance Ion 94.90 (94.60 to 95.60): VN050587.D (-3348) (-)

Ion 173.80 (173.50 to 174.50): VN050587.D (-3348) (-)

Ion 175.80 (175.50 to 176.50): VN050587.D (-3348) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. -0.00 min

Lab File: VN050609.D

Acq: 14 Aug 2018 18:04

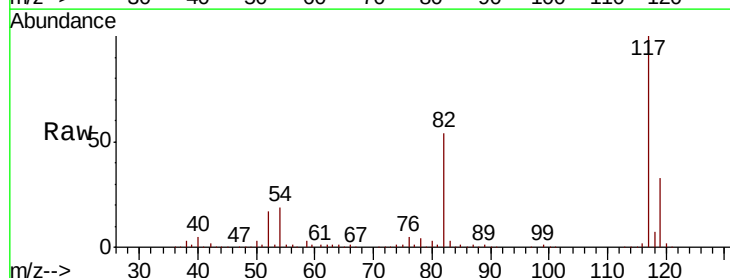
Tgt Ion: 117 Resp: 917106

Ion Ratio Lower Upper

117 100

82 53.6 42.4 63.6

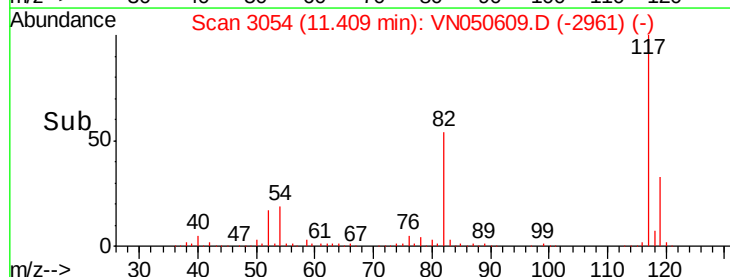
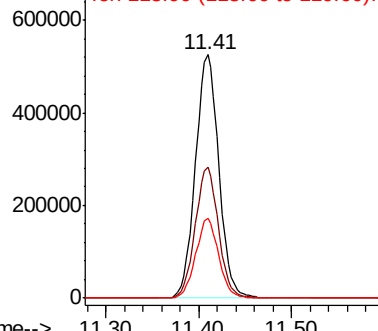
119 32.7 25.8 38.8

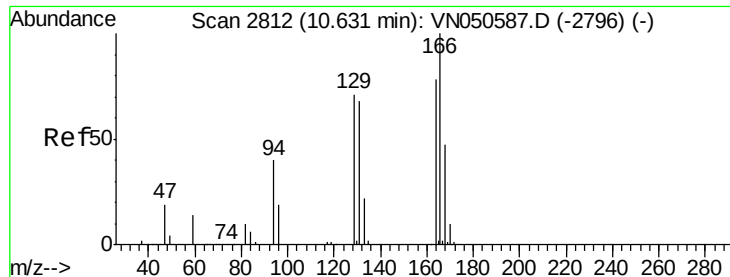


Abundance Ion 116.90 (116.60 to 117.60): VN050587.D (-3038) (-)

Ion 82.00 (81.70 to 82.70): VN050587.D (-3038) (-)

Ion 118.90 (118.60 to 119.60): VN050587.D (-3038) (-)





#64

Tetrachloroethene

Concen: 1255.97 ug/l

RT: 10.63 min Scan# 2813

Delta R.T. 0.00 min

Lab File: VN050609.D

Acq: 14 Aug 2018 18:04

Instrument :

MSVOA_N

ClientSampleId :

956-IW-13(19)

Tot Ion:164 Resp:10697130

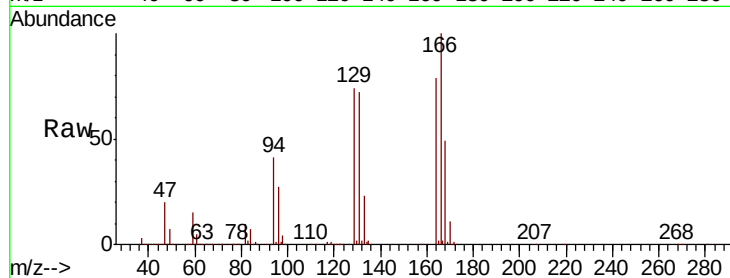
Ion Ratio Lower Upper

164 100

166 127.0 102.1 153.1

129 93.9 72.7 109.1

131 91.1 69.9 104.9



Abundance

Ion 163.80 (163.50 to 164.50): V

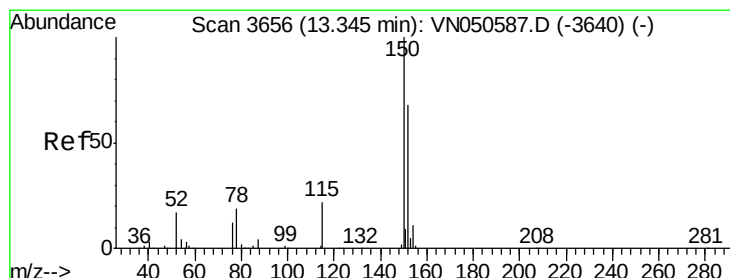
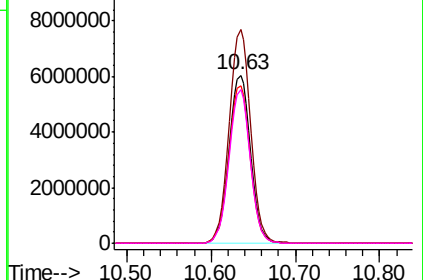
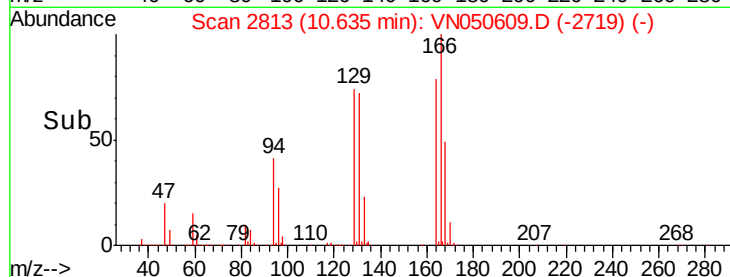
1.2e+07

Ion 165.80 (165.50 to 166.50): V

1e+07

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. -0.00 min

Lab File: VN050609.D

Acq: 14 Aug 2018 18:04

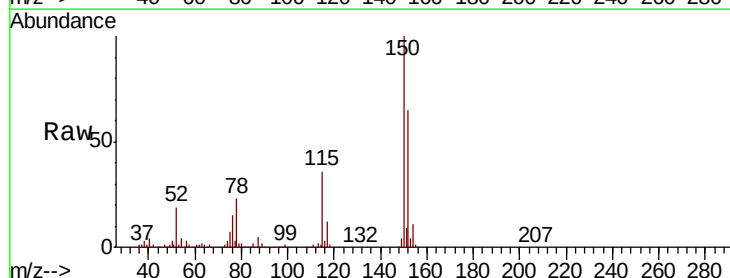
Tgt Ion:152 Resp: 352173

Ion Ratio Lower Upper

152 100

115 56.1 28.1 84.2

150 155.6 0.0 347.8



Abundance

Ion 151.90 (151.60 to 152.60): V

400000

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

