

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN073118\
 Data File : VN050221.D
 Acq On : 31 Jul 2018 17:46
 Operator : MD\SY
 Sample : J4221-09
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TRIPBLANK

Quant Time: Aug 01 03:57:18 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	665421	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1086792	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	905755	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	333777	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	463912	49.97	ug/l	0.00
Spiked Amount			Recovery	=	99.94%	
35) Dibromofluoromethane	7.59	113	413619	46.61	ug/l	0.00
Spiked Amount			Recovery	=	93.22%	
50) Toluene-d8	10.09	98	1472436	45.14	ug/l	0.00
Spiked Amount			Recovery	=	90.28%	
62) 4-Bromofluorobenzene	12.40	95	408298	38.01	ug/l	0.00
Spiked Amount			Recovery	=	76.02%	

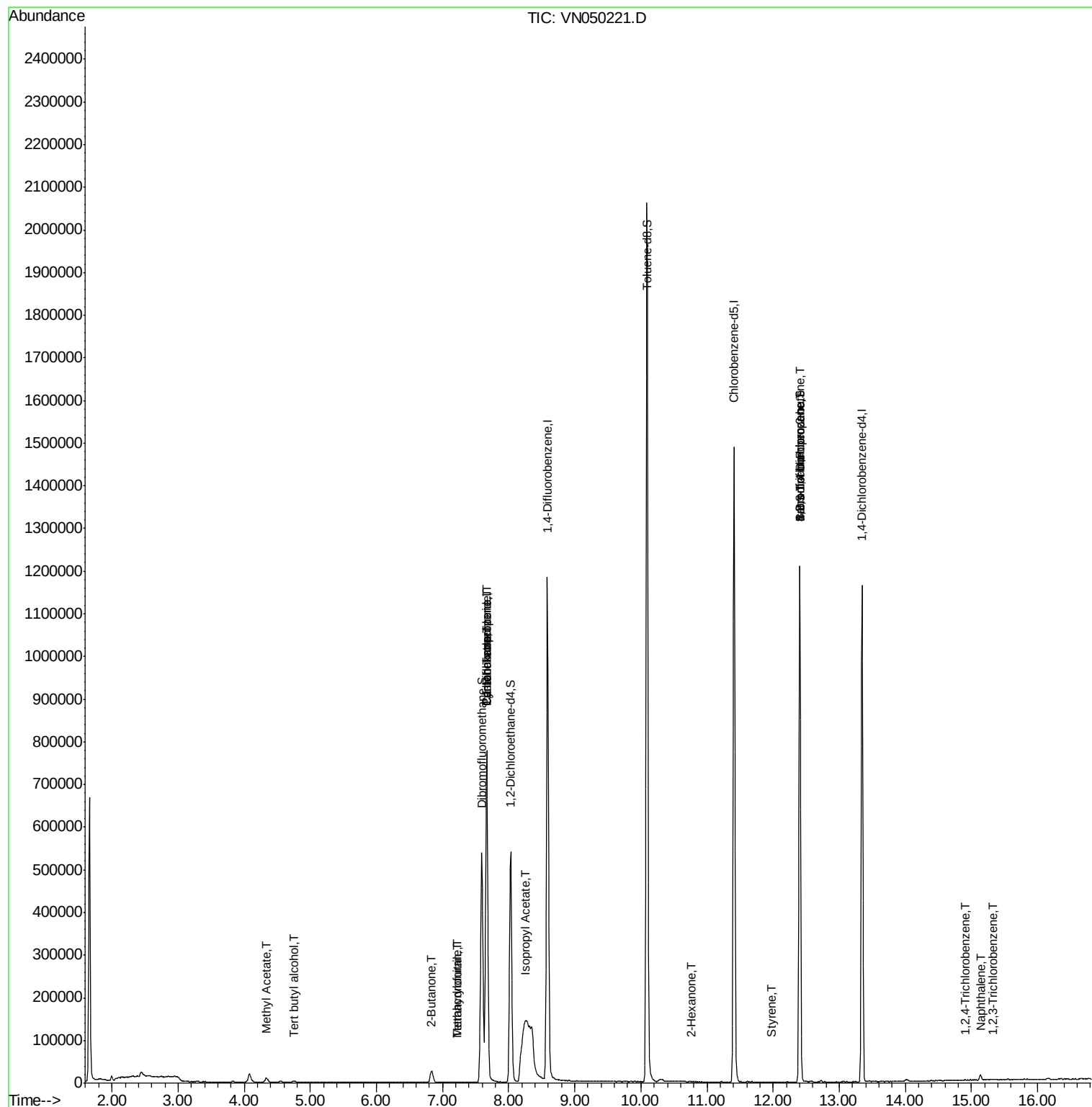
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.56	94	705	Below Cal		97
11) Tert butyl alcohol	4.75	59	2613	3.83 ug/l	#	72
16) Acetone	3.83	43	2512	Below Cal	#	73
18) Methyl Acetate	4.34	43	19932	0.74 ug/l		93
20) Methylene Chloride	4.55	84	1254	Below Cal	#	73
25) 2-Butanone	6.84	43	1812	0.51 ug/l	#	48
29) Tetrahydrofuran	7.22	42	650	0.28 ug/l	#	32
31) Cyclohexane	7.66	56	11411	0.83 ug/l	#	1
36) 1,1-Dichloropropene	7.67	75	46807	3.82 ug/l	#	48
38) Carbon Tetrachloride	7.67	117	59292	4.56 ug/l	#	17
41) Methacrylonitrile	7.22	41	320	2.82 ug/l	#	10
43) Isopropyl Acetate	8.26	43	208596	12.10 ug/l	#	62
59) 2-Hexanone	10.75	43	154	5.20 ug/l	#	24
70) Styrene	11.97	104	68	0.93 ug/l	#	25
71) Bromoform	12.40	173	3930	0.61 ug/l	#	1
75) 1,1,2,2-Tetrachloroethane	12.41	83	234	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.40	75	198788	32.05 ug/l	#	100
81) trans-1,4-Dichloro-2-buten	12.40	75	198788	101.65 ug/l	#	13
92) 1,2-Dibromo-3-Chloropropan	14.05	75	93	Below Cal	#	1
93) 1,2,4-Trichlorobenzene	14.91	180	67	3.10 ug/l	#	13
95) Naphthalene	15.13	128	11385	5.10 ug/l		99
96) 1,2,3-Trichlorobenzene	15.32	180	31	2.21 ug/l	#	12

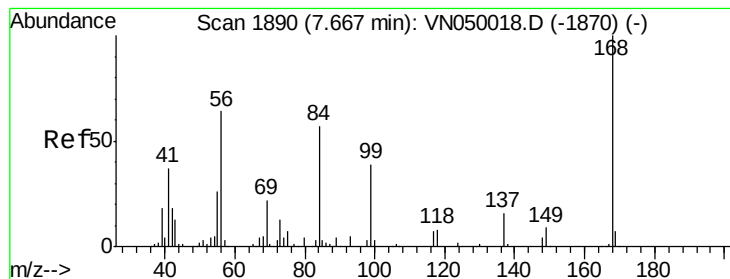
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN073118\
Data File : VN050221.D
Acq On : 31 Jul 2018 17:46
Operator : MD\SY
Sample : J4221-09
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TRIPBLANK

Quant Time: Aug 01 03:57:18 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
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: VN050221.D

Acq: 31 Jul 2018 17:46

Instrument :

MSVOA_N

ClientSampleId :

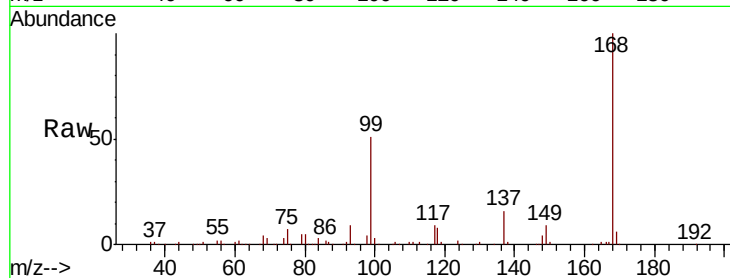
TRIPBLANK

Tot Ion:168 Resp: 665421

Ion Ratio Lower Upper

168 100

99 51.0 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

250000

200000

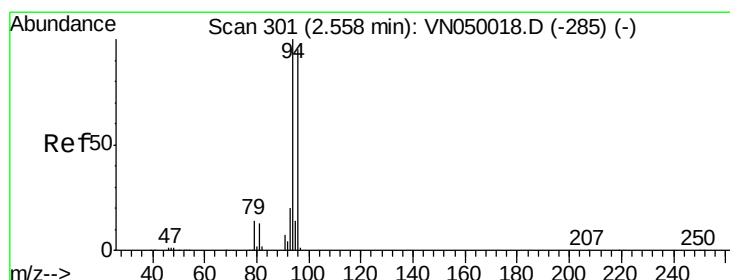
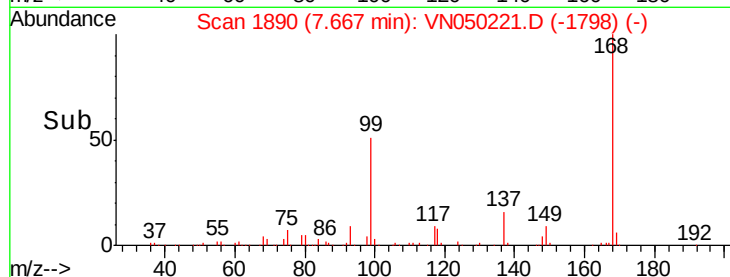
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80 7.90



#5

Bromomethane

Concen: Below Cal

RT: 2.56 min Scan# 301

Delta R.T. 0.01 min

Lab File: VN050221.D

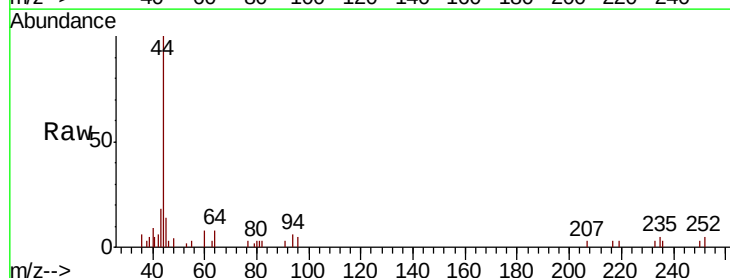
Acq: 31 Jul 2018 17:46

Tgt Ion: 94 Resp: 705

Ion Ratio Lower Upper

94 100

96 96.3 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VN050018.D (-285) (-)

Ion 95.90 (95.60 to 96.60): VN050018.D (-285) (-)

2.56

500

400

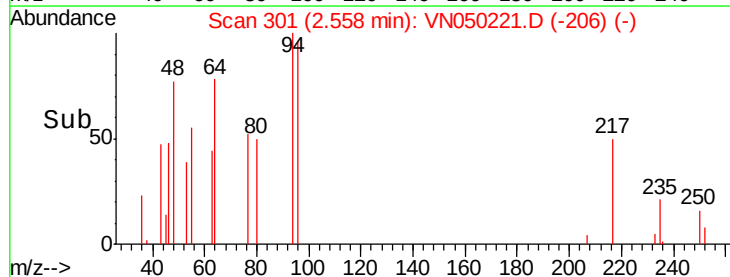
300

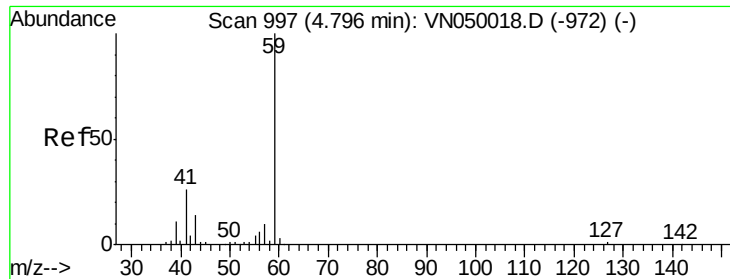
200

100

0

Time--> 2.52 2.54 2.56 2.58 2.60

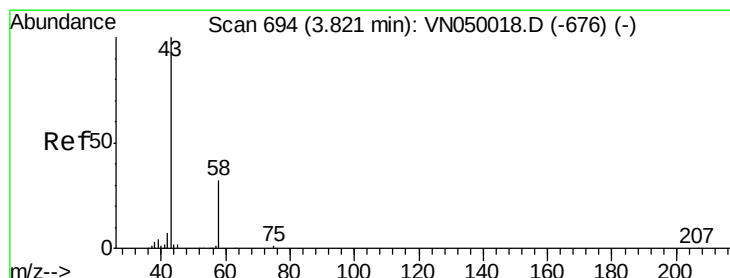
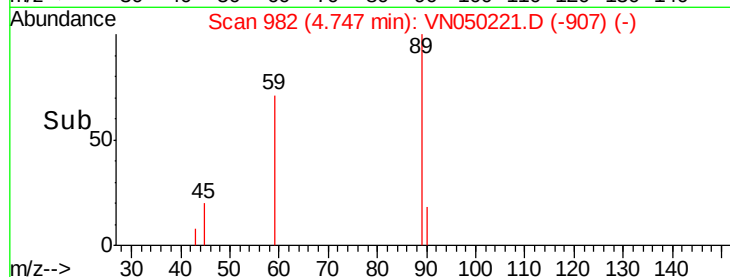
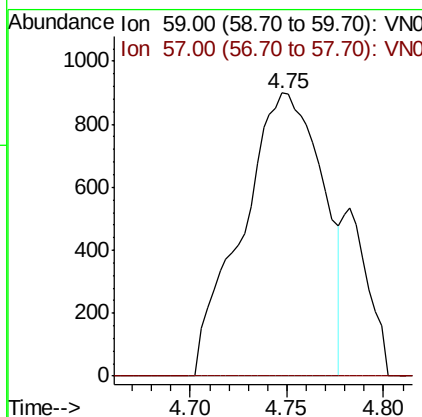
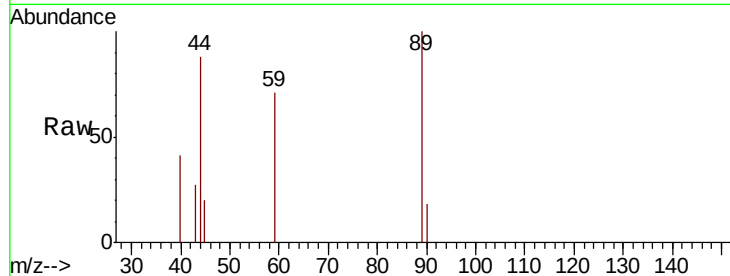




#11
Tert butyl alcohol
Concen: 3.83 ug/l
RT: 4.75 min Scan# 982
Delta R.T. -0.06 min
Lab File: VN050221.D
Acq: 31 Jul 2018 17:46

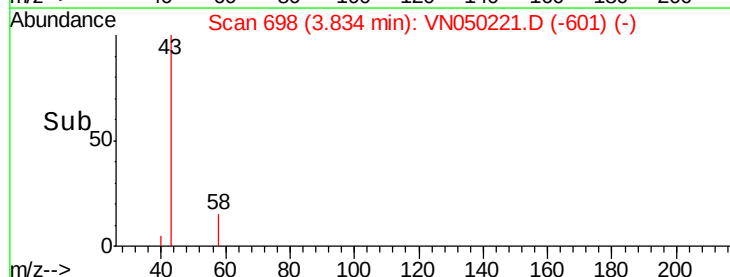
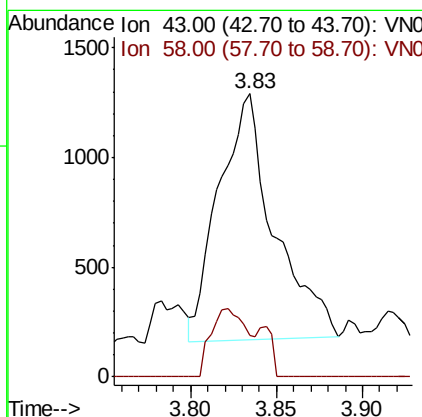
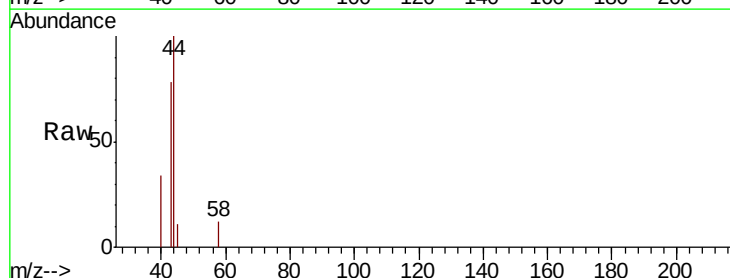
Instrument :
MSVOA_N
ClientSampleId :
TRIPBLANK

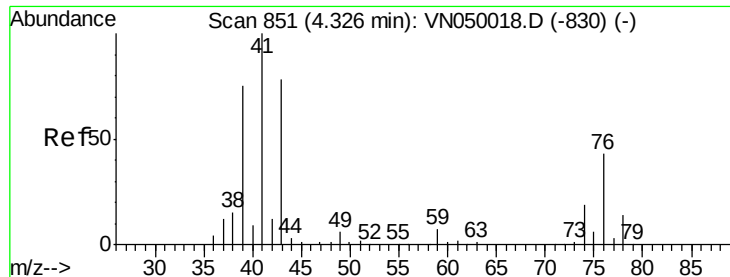
Tot Ion: 59 Resp: 2613
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



#16
Acetone
Concen: Below Cal
RT: 3.83 min Scan# 698
Delta R.T. 0.01 min
Lab File: VN050221.D
Acq: 31 Jul 2018 17:46

Tgt Ion: 43 Resp: 2512
Ion Ratio Lower Upper
43 100
58 17.2 25.8 38.8#





#18

Methyl Acetate

Concen: 0.74 ug/l

RT: 4.34 min Scan# 854

Delta R.T. 0.00 min

Lab File: VN050221.D

Acq: 31 Jul 2018 17:46

Instrument :

MSVOA_N

ClientSampleId :

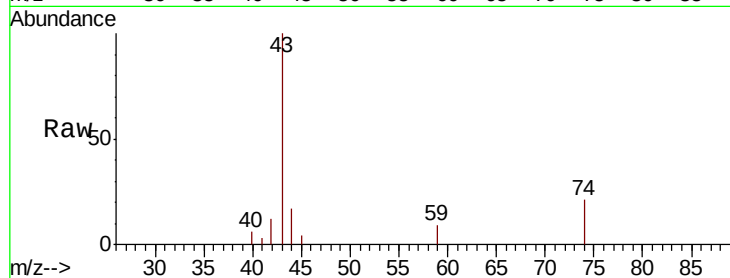
TRIPBLANK

Tot Ion: 43 Resp: 19932

Ion Ratio Lower Upper

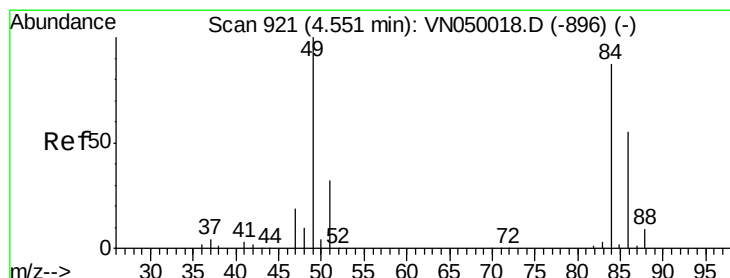
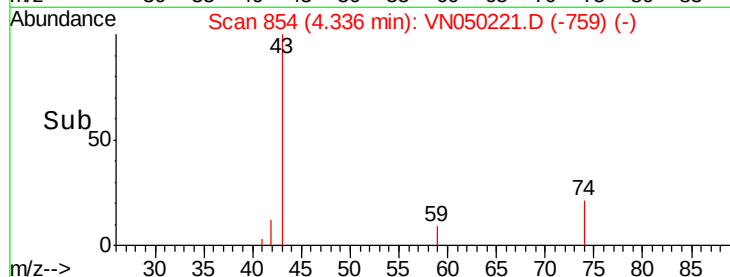
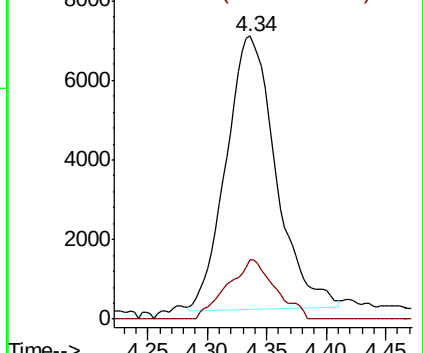
43 100

74 20.8 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0



#20

Methylene Chloride

Concen: Below Cal

RT: 4.55 min Scan# 922

Delta R.T. 0.00 min

Lab File: VN050221.D

Acq: 31 Jul 2018 17:46

Tgt Ion: 84 Resp: 1254

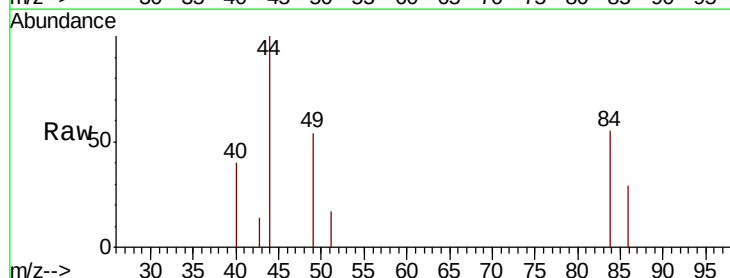
Ion Ratio Lower Upper

84 100

49 75.0 94.8 142.2#

51 30.8 28.3 42.5

86 52.9 51.0 76.6

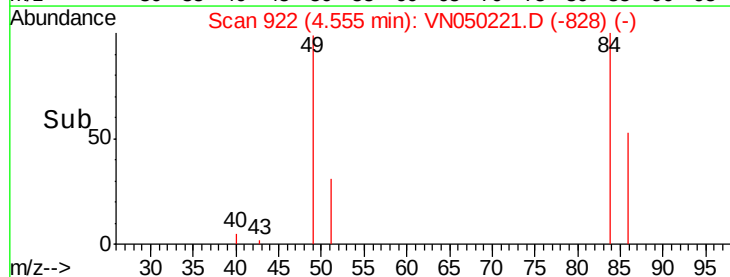
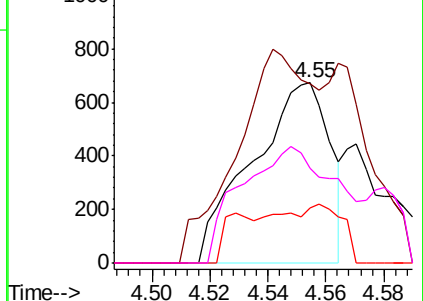


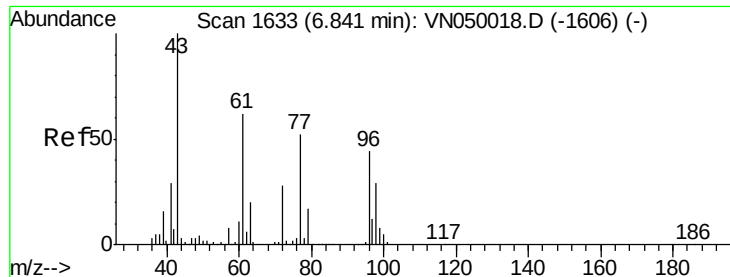
Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0

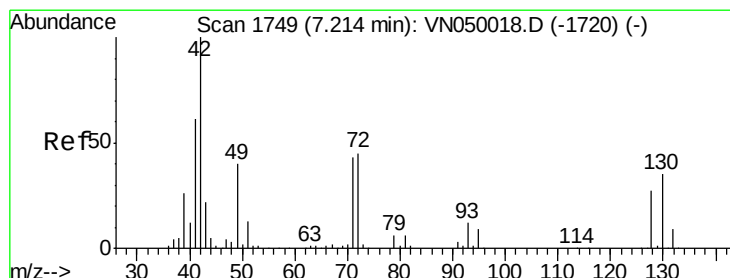
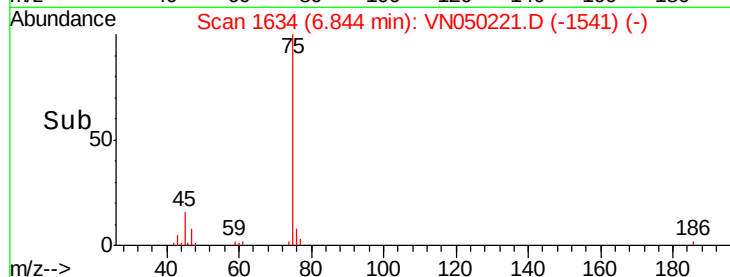
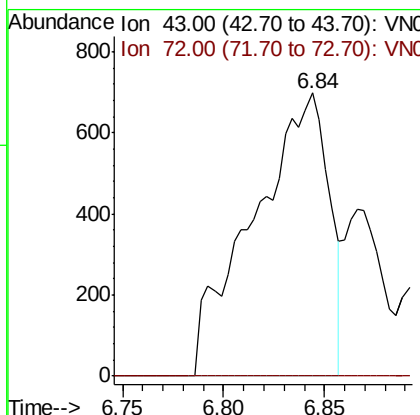
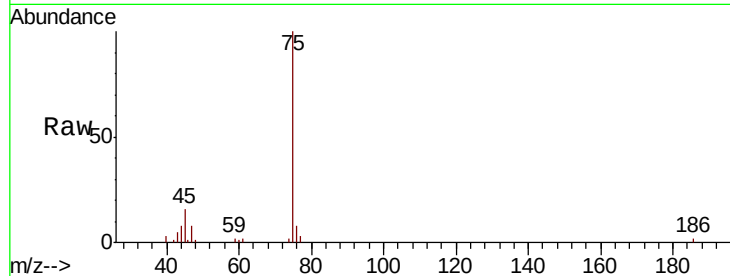




#25
2-Butanone
Concen: 0.51 ug/l
RT: 6.84 min Scan# 1634
Delta R.T. 0.00 min
Lab File: VN050221.D
Acq: 31 Jul 2018 17:46

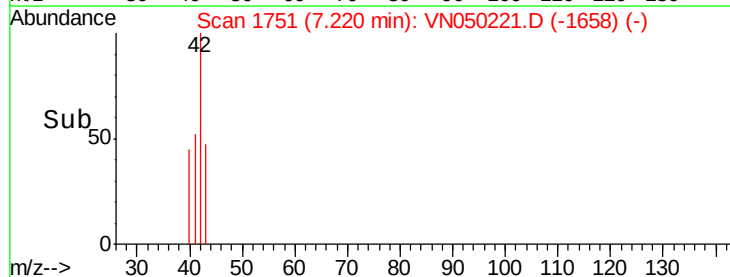
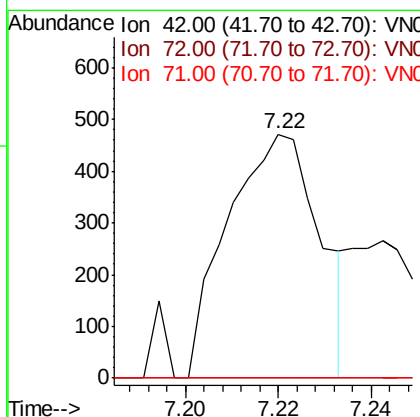
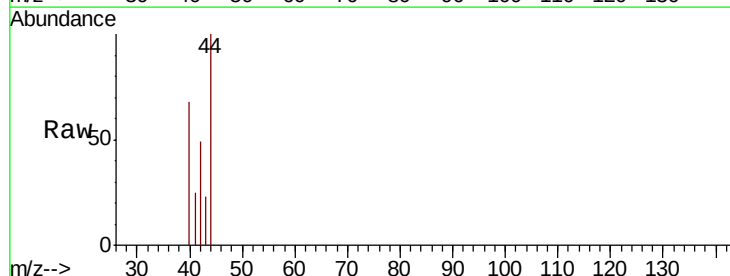
Instrument :
MSVOA_N
ClientSampleId :
TRIPBLANK

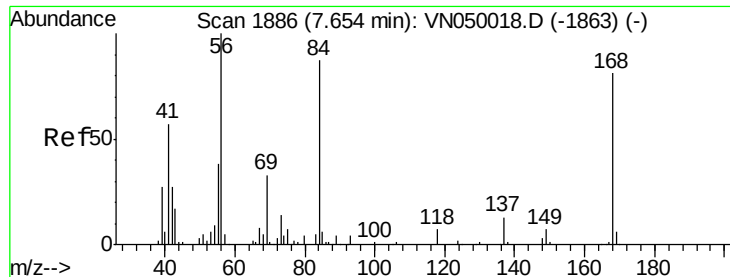
Tot Ion: 43 Resp: 1812
Ion Ratio Lower Upper
43 100
72 0.0 21.5 32.3#



#29
Tetrahydrofuran
Concen: 0.28 ug/l
RT: 7.22 min Scan# 1751
Delta R.T. 0.00 min
Lab File: VN050221.D
Acq: 31 Jul 2018 17:46

Tgt Ion: 42 Resp: 650
Ion Ratio Lower Upper
42 100
72 0.0 35.9 53.9#
71 0.0 33.7 50.5#





#31

Cyclohexane

Concen: 0.83 ug/l

RT: 7.66 min Scan# 1889

Delta R.T. 0.01 min

Lab File: VN050221.D

Acq: 31 Jul 2018 17:46

Instrument :

MSVOA_N

ClientSampleId :

TRIPBLANK

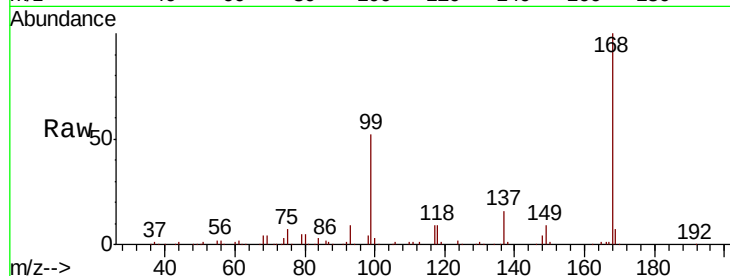
Tot Ion: 56 Resp: 11411

Ion Ratio Lower Upper

56 100

69 180.9 26.2 39.4#

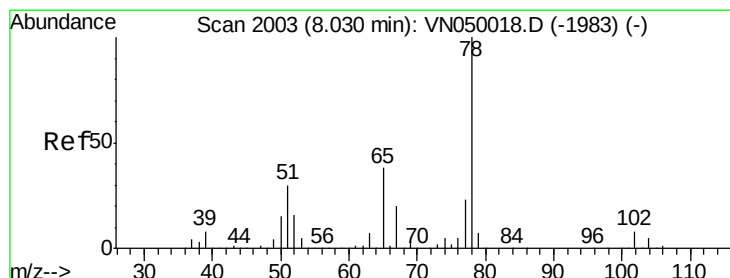
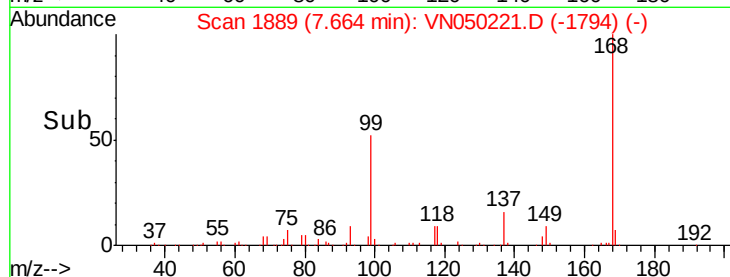
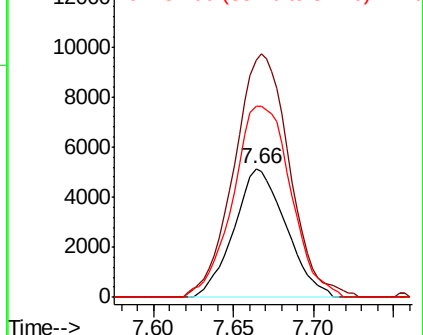
84 145.0 67.4 101.0#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#33

1,2-Dichloroethane-d4

Concen: 49.97 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN050221.D

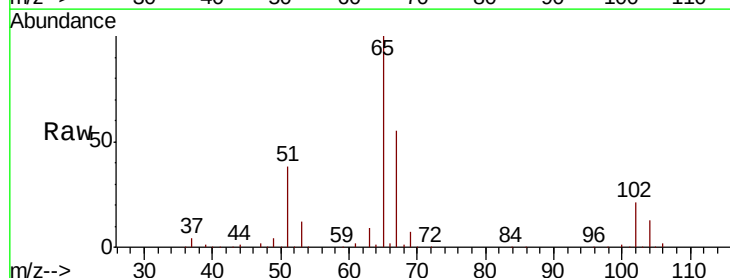
Acq: 31 Jul 2018 17:46

Tgt Ion: 65 Resp: 463912

Ion Ratio Lower Upper

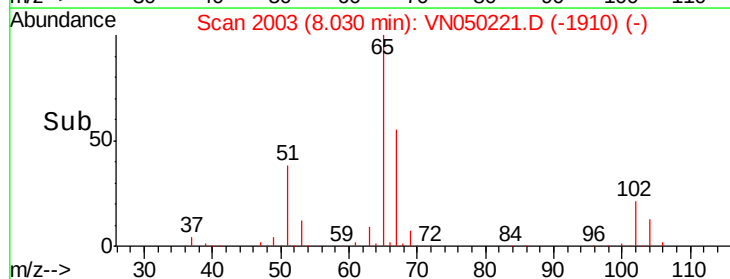
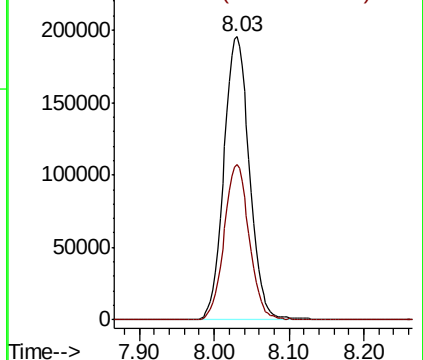
65 100

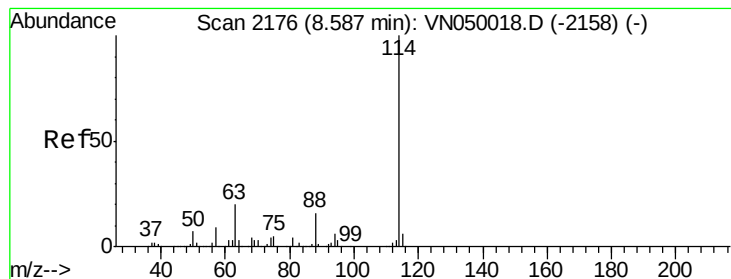
67 53.8 0.0 108.4



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: VN050221.D

Acq: 31 Jul 2018 17:46

Instrument :

MSVOA_N

ClientSampleId :

TRIPBLANK

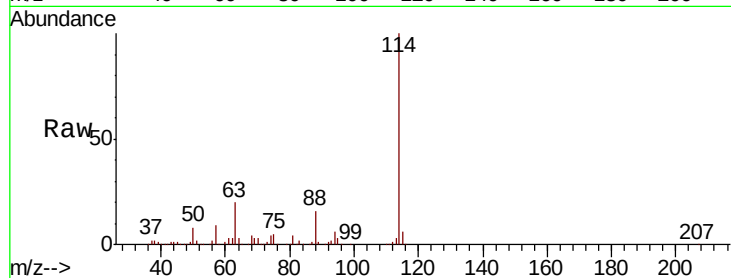
Tot Ion:114 Resp: 1086792

Ion Ratio Lower Upper

114 100

63 19.8 0.0 40.0

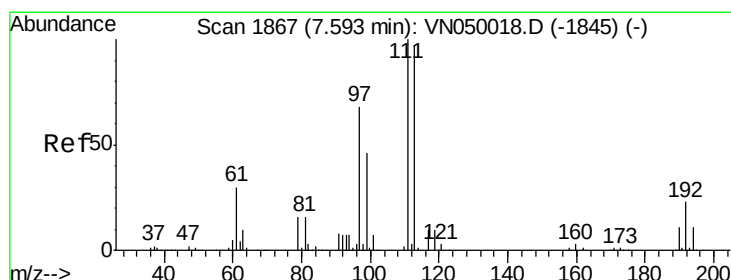
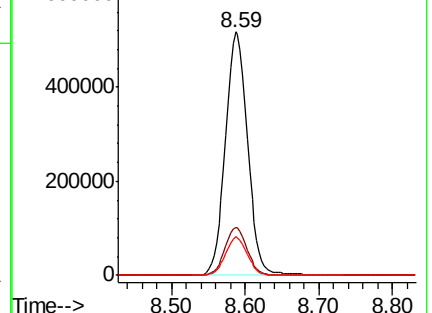
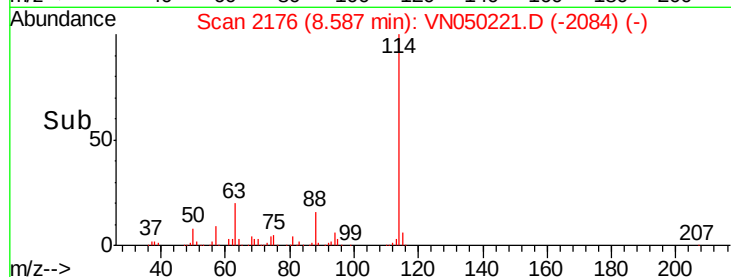
88 15.8 0.0 31.2



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: 46.61 ug/l

RT: 7.59 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VN050221.D

Acq: 31 Jul 2018 17:46

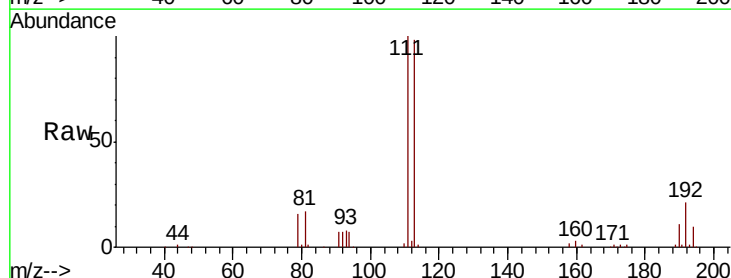
Tgt Ion:113 Resp: 413619

Ion Ratio Lower Upper

113 100

111 102.7 80.7 121.1

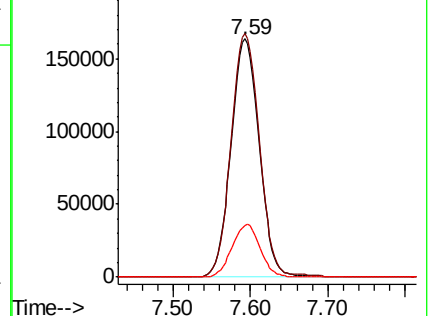
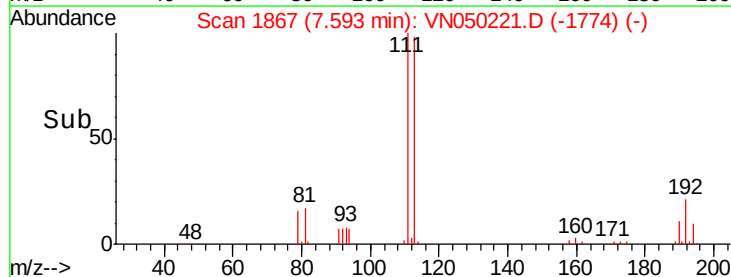
192 22.0 17.8 26.6

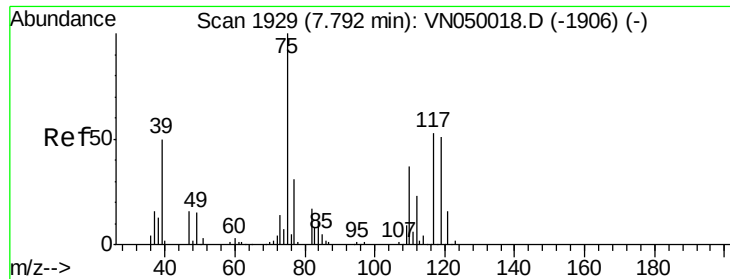


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

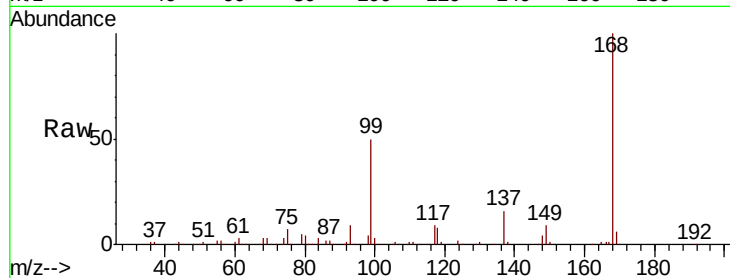




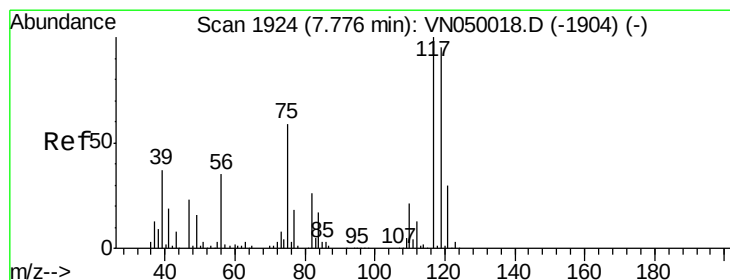
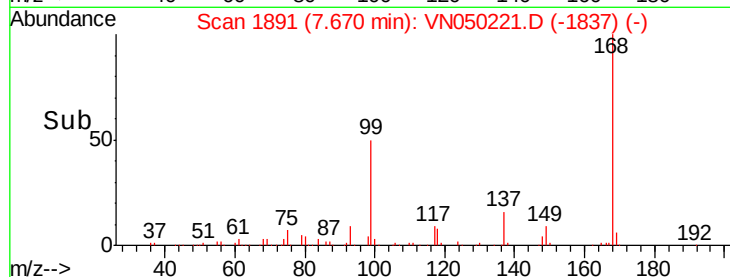
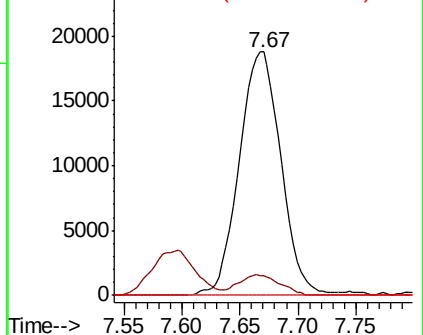
#36
 1,1-Dichloropropene
 Concen: 3.82 ug/l
 RT: 7.67 min Scan# 1891
 Delta R.T. -0.13 min
 Lab File: VN050221.D
 Acq: 31 Jul 2018 17:46

Instrument :
 MSVOA_N
 ClientSampleId :
 TRIPBLANK

Tot Ion: 75 Resp: 46807
 Ion Ratio Lower Upper
 75 100
 110 8.3 18.4 55.2#
 77 0.0 25.3 37.9#

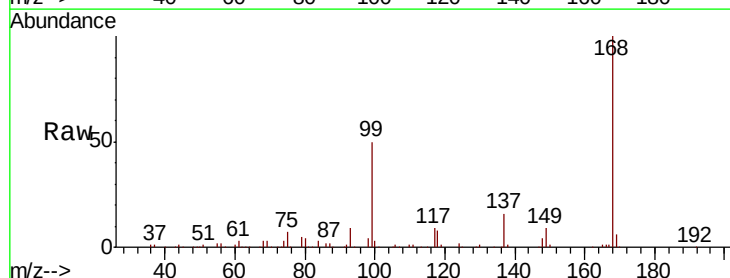


Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VN0

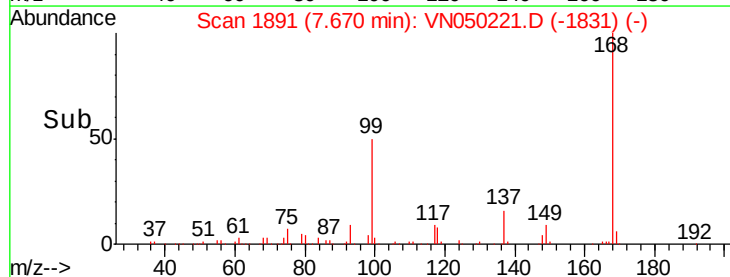
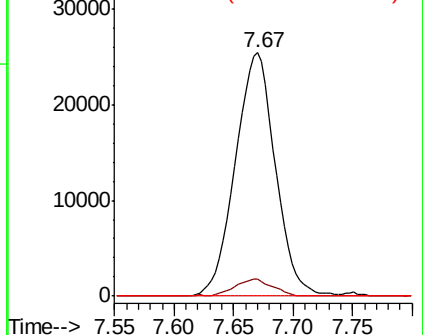


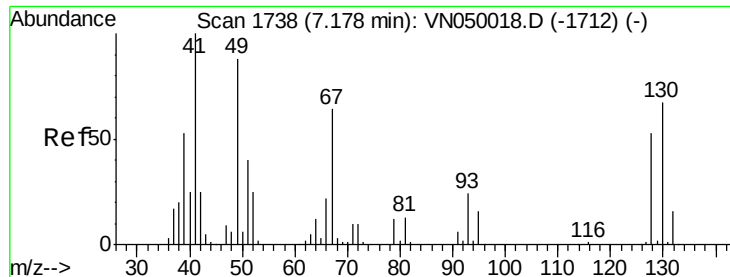
#38
 Carbon Tetrachloride
 Concen: 4.56 ug/l
 RT: 7.67 min Scan# 1891
 Delta R.T. -0.11 min
 Lab File: VN050221.D
 Acq: 31 Jul 2018 17:46

Tgt Ion: 117 Resp: 59292
 Ion Ratio Lower Upper
 117 100
 119 7.1 77.4 116.0#
 121 0.0 23.9 35.9#



Abundance Ion 116.80 (116.50 to 117.50): V
 Ion 118.80 (118.50 to 119.50): V
 Ion 120.80 (120.50 to 121.50): V

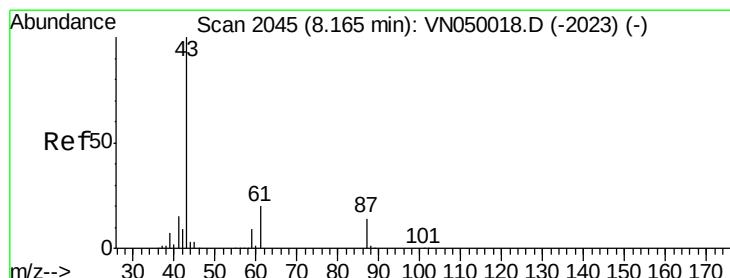
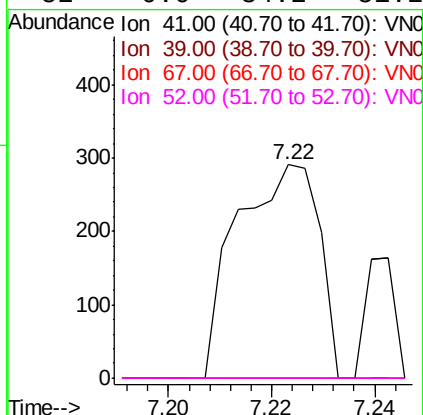
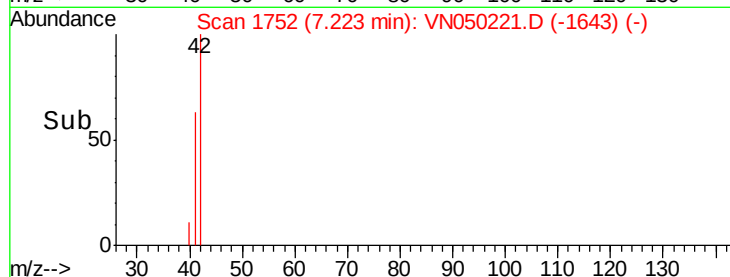
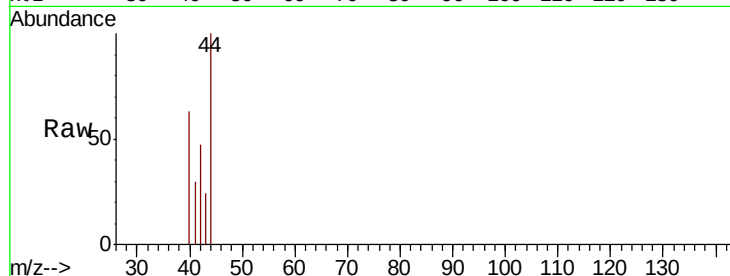




#41
Methacrylonitrile
Concen: 2.82 ug/l
RT: 7.22 min Scan# 1752
Delta R.T. 0.05 min
Lab File: VN050221.D
Acq: 31 Jul 2018 17:46

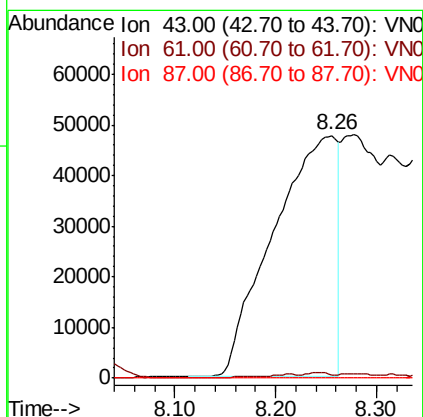
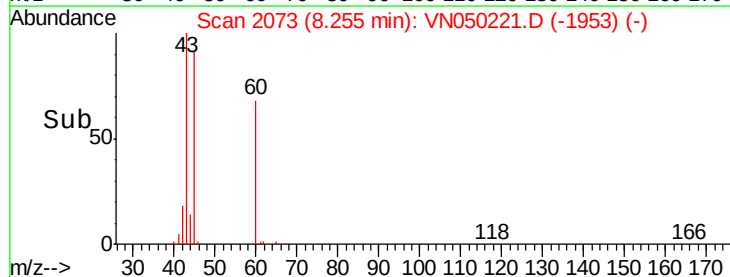
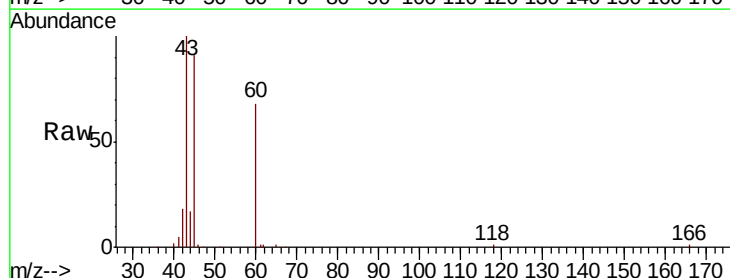
Instrument :
MSVOA_N
ClientSampled :
TRIPBLANK

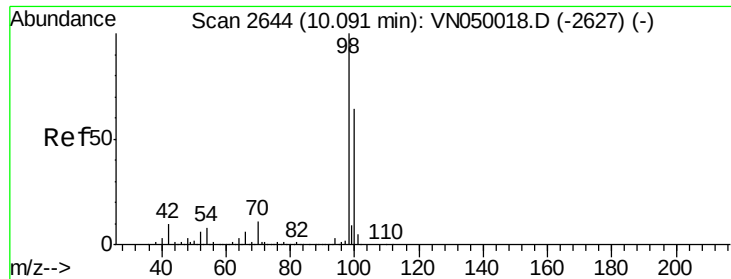
Tot Ion: 41 Resp: 320
Ion Ratio Lower Upper
41 100
39 0.0 55.8 83.6#
67 0.0 84.3 126.5#
52 0.0 34.2 51.2#



#43
Isopropyl Acetate
Concen: 12.10 ug/l
RT: 8.26 min Scan# 2073
Delta R.T. 0.09 min
Lab File: VN050221.D
Acq: 31 Jul 2018 17:46

Tgt Ion: 43 Resp: 208596
Ion Ratio Lower Upper
43 100
61 0.5 15.8 23.6#
87 0.0 10.3 15.5#

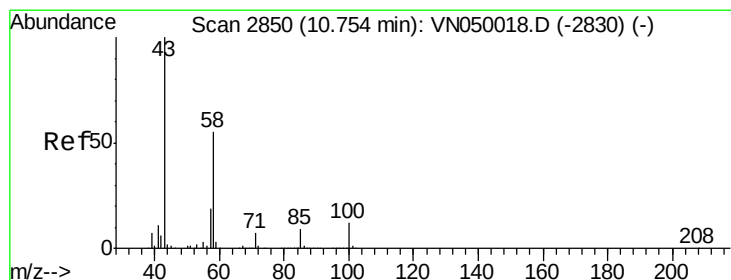
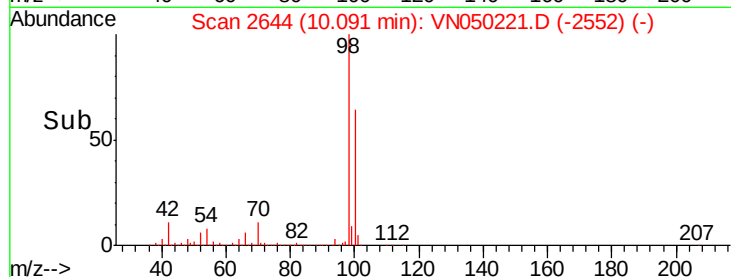
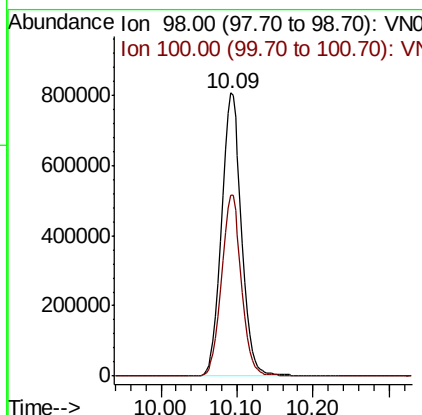
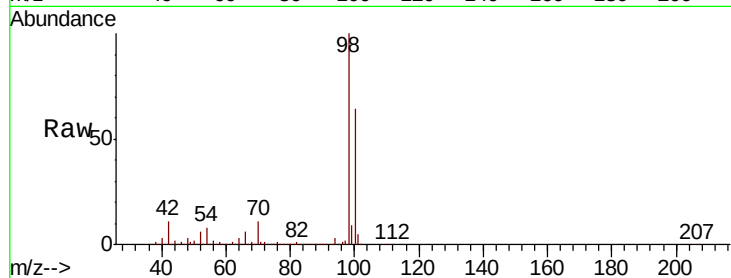




#50
Toluene-d8
Concen: 45.14 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VN050221.D
Acq: 31 Jul 2018 17:46

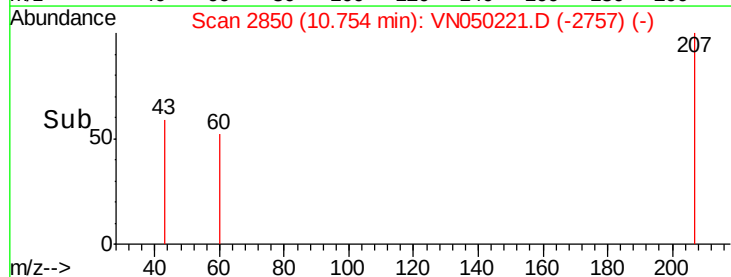
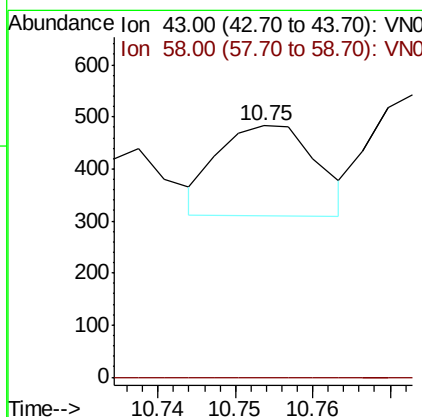
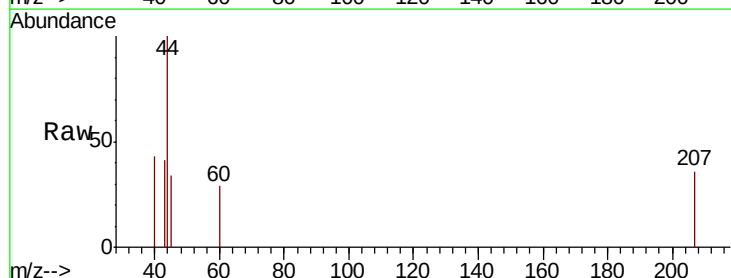
Instrument :
MSVOA_N
ClientSampleId :
TRIPBLANK

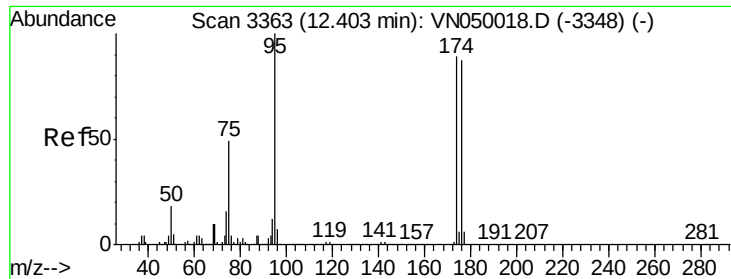
Tot Ion: 98 Resp: 1472436
Ion Ratio Lower Upper
98 100
100 63.7 50.7 76.1



#59
2-Hexanone
Concen: 5.20 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN050221.D
Acq: 31 Jul 2018 17:46

Tgt Ion: 43 Resp: 154
Ion Ratio Lower Upper
43 100
58 0.0 27.6 82.7#





#62

4-Bromofluorobenzene

Concen: 38.01 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050221.D

Acq: 31 Jul 2018 17:46

Instrument :

MSVOA_N

ClientSampleId :

TRIPBLANK

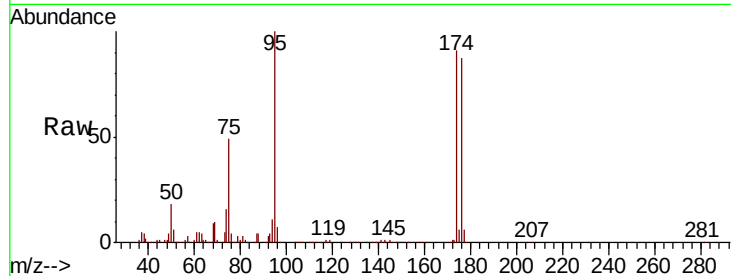
Tot Ion: 95 Resp: 408298

Ion Ratio Lower Upper

95 100

174 90.7 0.0 178.2

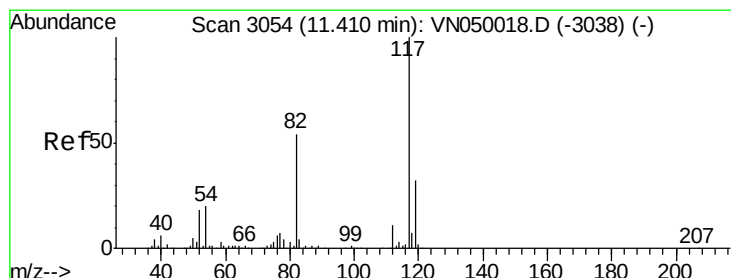
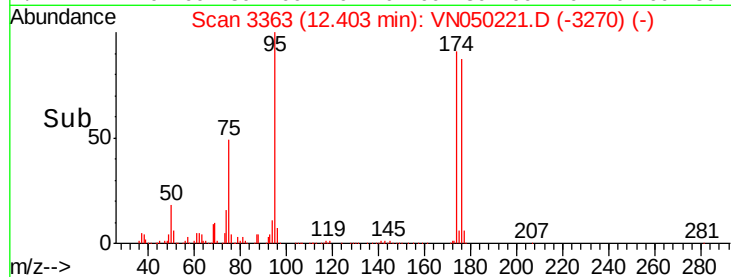
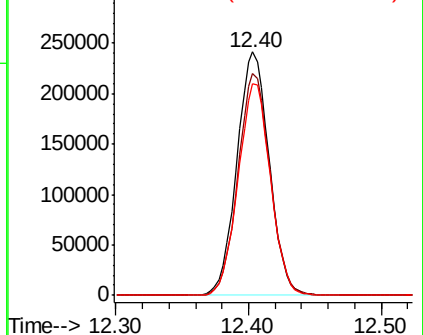
176 87.2 0.0 173.4



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): VN0

Ion 175.80 (175.50 to 176.50): VN0



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. 0.00 min

Lab File: VN050221.D

Acq: 31 Jul 2018 17:46

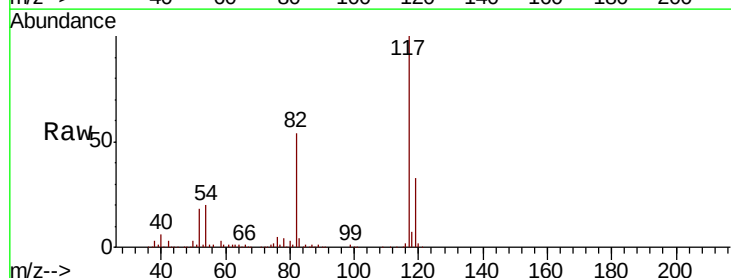
Tgt Ion: 117 Resp: 905755

Ion Ratio Lower Upper

117 100

82 54.3 43.7 65.5

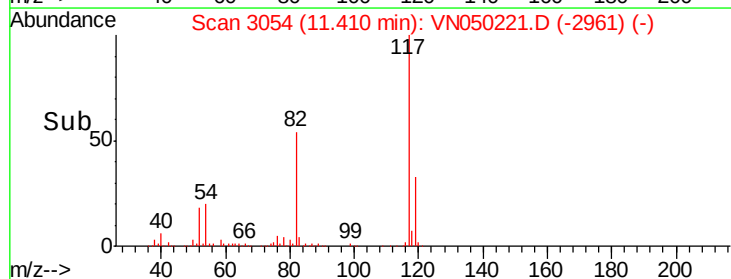
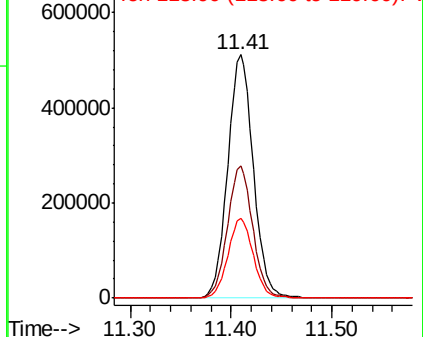
119 32.7 26.1 39.1

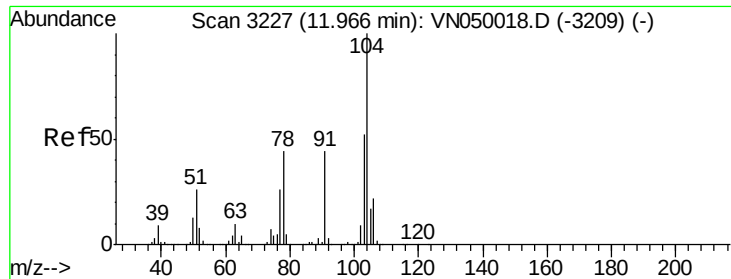


Abundance Ion 116.90 (116.60 to 117.60): VN0

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): VN0

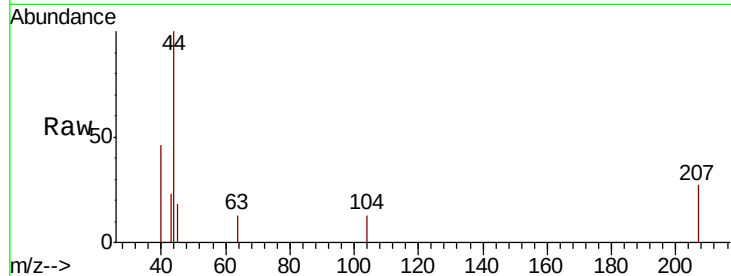




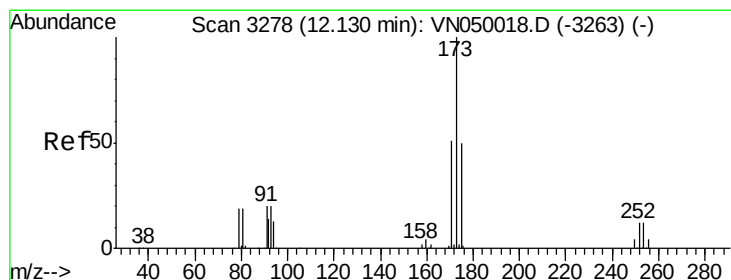
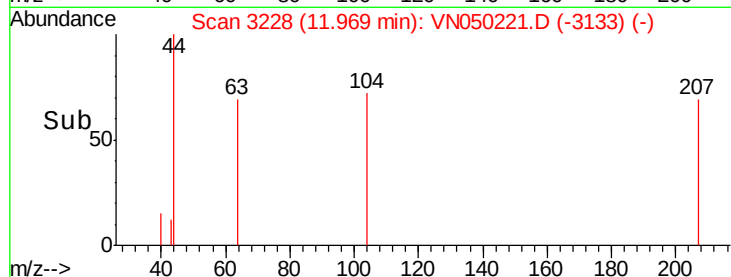
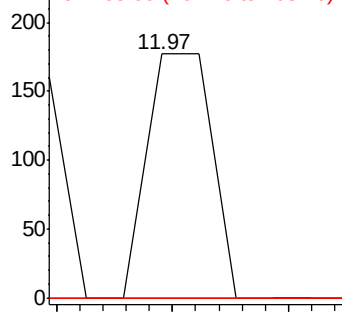
#70
Stvrene
Concen: 0.93 ug/l
RT: 11.97 min Scan# 3228
Delta R.T. 0.00 min
Lab File: VN050221.D
Acq: 31 Jul 2018 17:46

Instrument :
MSVOA_N
ClientSampleId :
TRIPBLANK

Tot Ion:104 Resp: 68
Ion Ratio Lower Upper
104 100
78 0.0 39.3 58.9#
103 0.0 45.0 67.6#

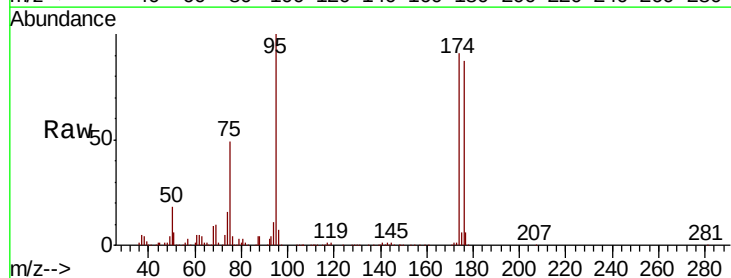


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V

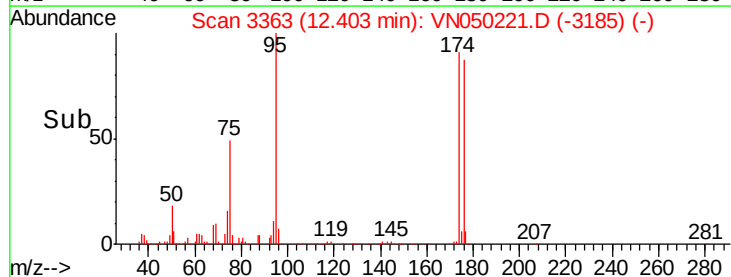
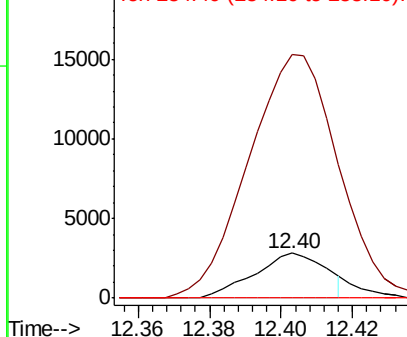


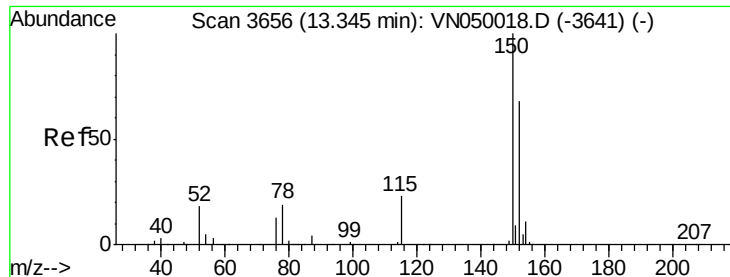
#71
Bromoform
Concen: 0.61 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.27 min
Lab File: VN050221.D
Acq: 31 Jul 2018 17:46

Tgt Ion:173 Resp: 3930
Ion Ratio Lower Upper
173 100
175 604.1 24.1 72.2#
254 0.0 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): 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: VN050221.D

Acq: 31 Jul 2018 17:46

Instrument :

MSVOA_N

ClientSampleId :

TRIPBLANK

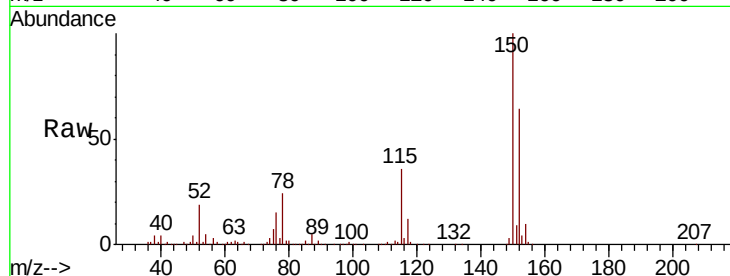
Tot Ion:152 Resp: 333777

Ion Ratio Lower Upper

152 100

115 56.0 27.8 83.3

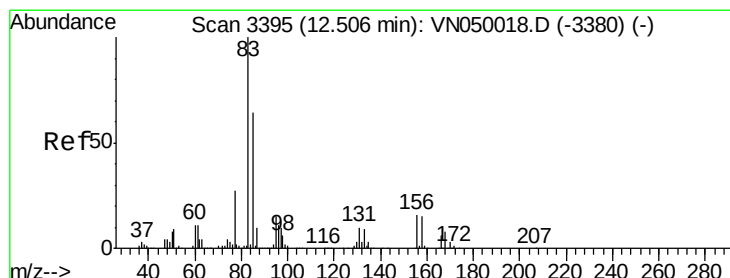
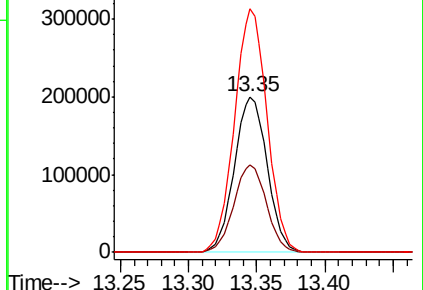
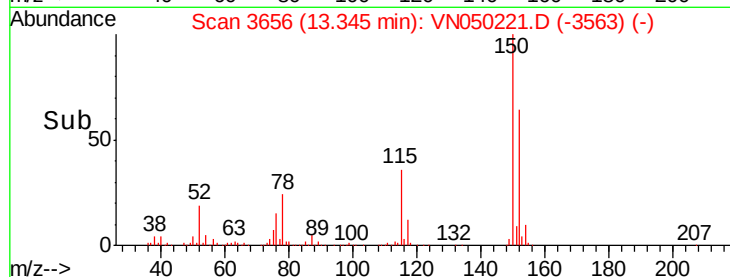
150 155.1 0.0 348.6



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



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.41 min Scan# 3365

Delta R.T. -0.10 min

Lab File: VN050221.D

Acq: 31 Jul 2018 17:46

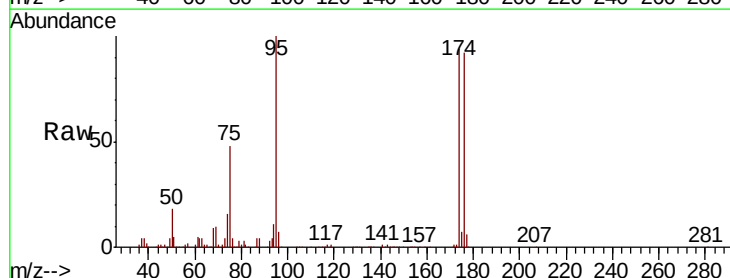
Tgt Ion: 83 Resp: 234

Ion Ratio Lower Upper

83 100

131 199.6 5.1 15.3#

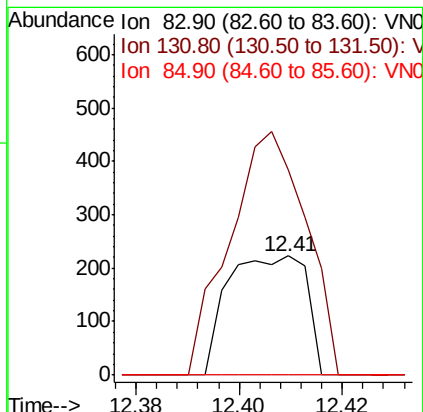
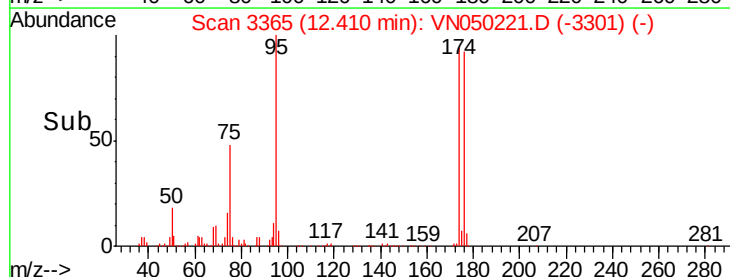
85 0.0 32.3 96.8#

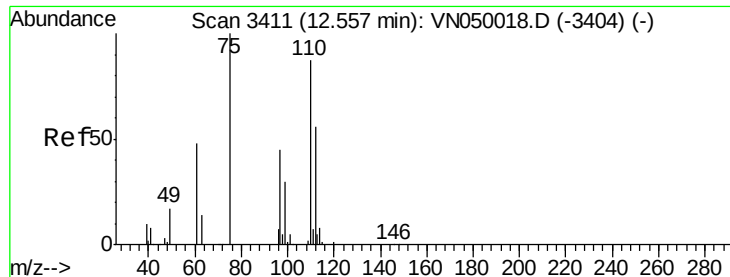


Abundance Ion 82.90 (82.60 to 83.60): V

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): V





#76

1,2,3-Trichloropropane

Concen: 32.05 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050221.D

Acq: 31 Jul 2018 17:46

Instrument :

MSVOA_N

ClientSampled :

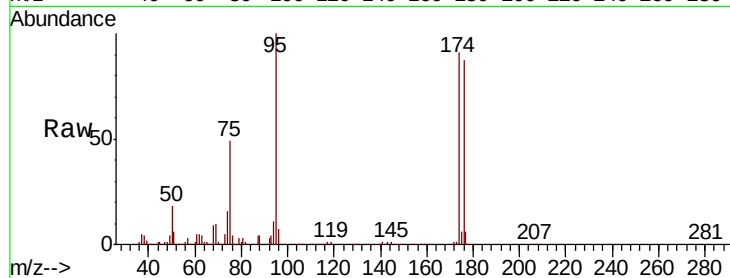
TRIPBLANK

Tot Ion: 75 Resp: 198788

Ion Ratio Lower Upper

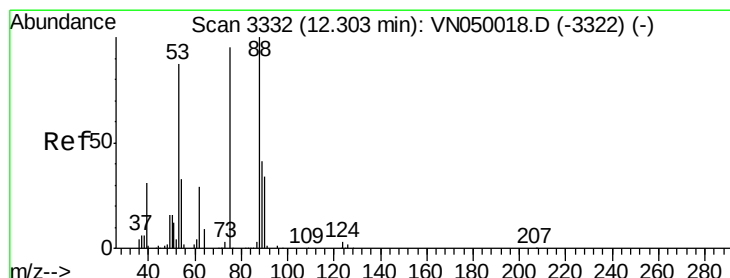
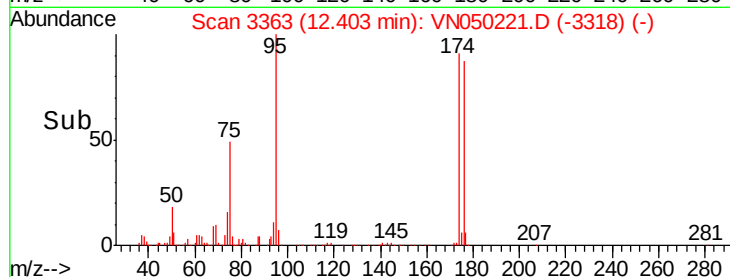
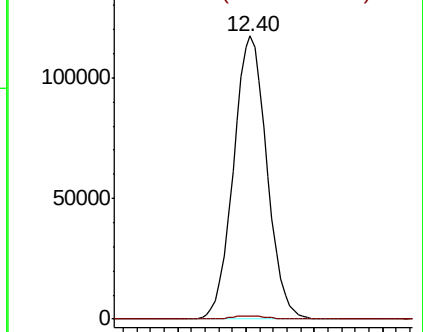
75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO



#81

trans-1,4-Dichloro-2-butene

Concen: 101.65 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050221.D

Acq: 31 Jul 2018 17:46

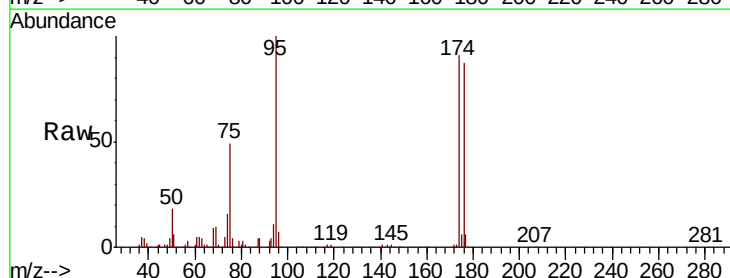
Tgt Ion: 75 Resp: 198788

Ion Ratio Lower Upper

75 100

53 0.2 73.5 110.3#

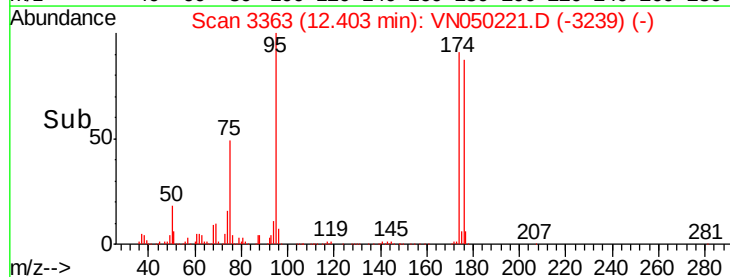
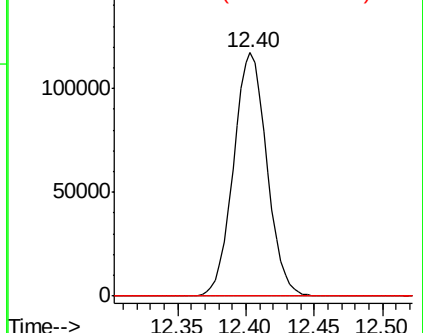
89 0.0 36.0 54.0#

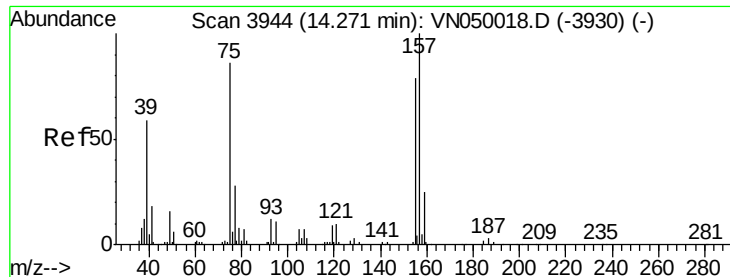


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

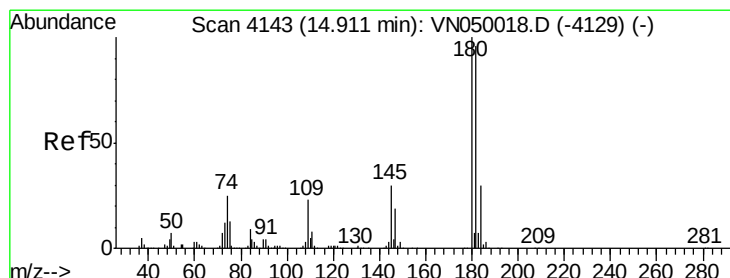
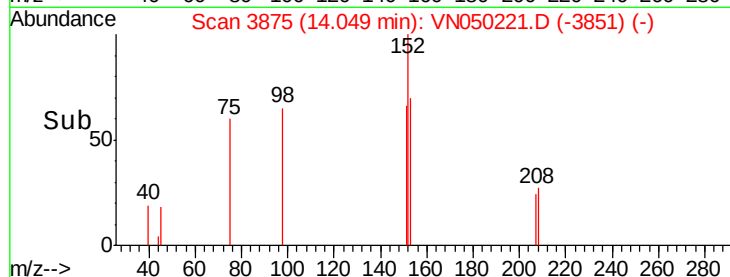
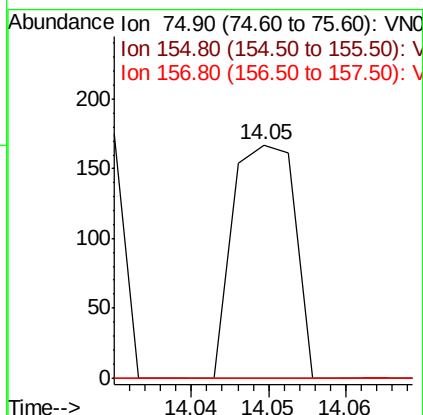
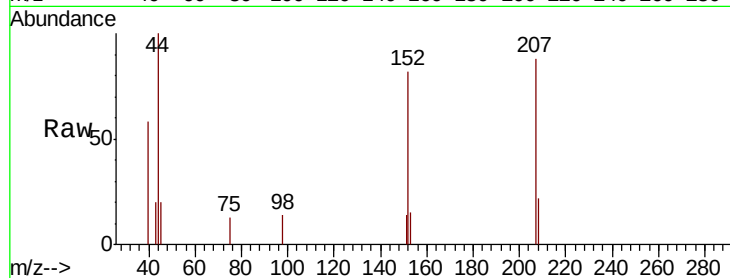




#92
 1,2-Dibromo-3-Chloropropane
 Concen: Below Cal
 RT: 14.05 min Scan# 3875
 Delta R.T. -0.22 min
 Lab File: VN050221.D
 Acq: 31 Jul 2018 17:46

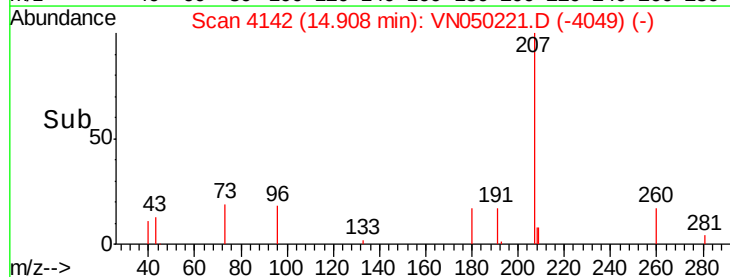
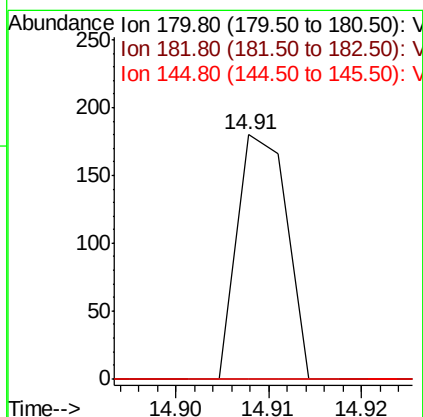
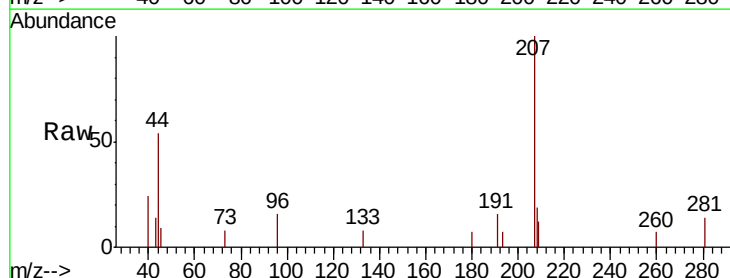
Instrument :
 MSVOA_N
 ClientSampleId :
 TRIPBLANK

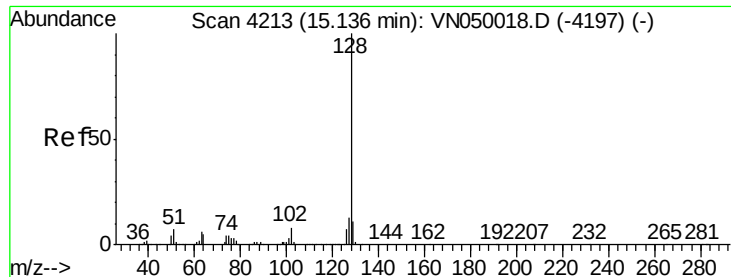
Tot Ion: 75 Resp: 93
 Ion Ratio Lower Upper
 75 100
 155 0.0 44.8 134.4#
 157 0.0 57.2 171.6#



#93
 1,2,4-Trichlorobenzene
 Concen: 3.10 ug/l
 RT: 14.91 min Scan# 4142
 Delta R.T. -0.00 min
 Lab File: VN050221.D
 Acq: 31 Jul 2018 17:46

Tgt Ion: 180 Resp: 67
 Ion Ratio Lower Upper
 180 100
 182 0.0 46.7 140.1#
 145 0.0 13.8 41.4#





#95

Naphthalene

Concen: 5.10 ug/l

RT: 15.13 min Scan# 4212

Delta R.T. -0.00 min

Lab File: VN050221.D

Acq: 31 Jul 2018 17:46

Instrument :

MSVOA_N

ClientSampleId :

TRIPBLANK

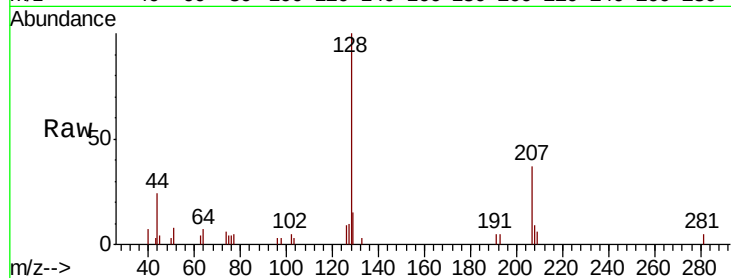
Tot Ion:128 Resp: 11385

Ion Ratio Lower Upper

128 100

127 12.5 10.4 15.6

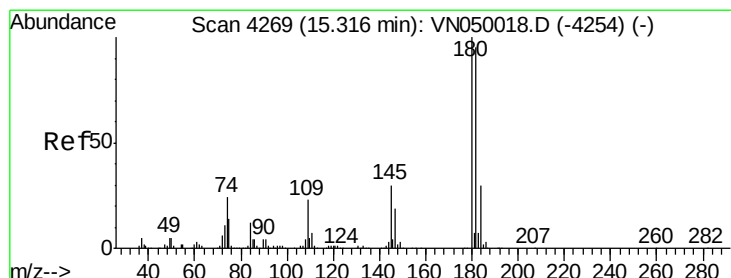
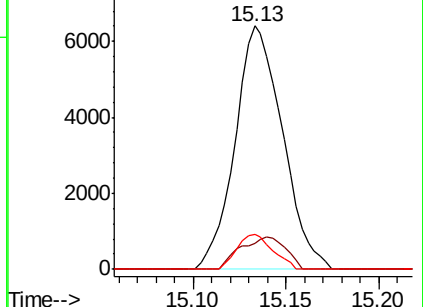
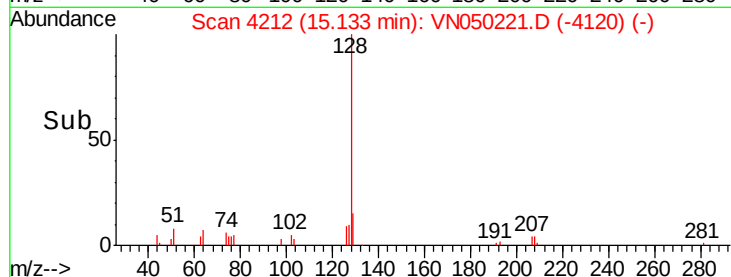
129 10.9 8.8 13.2



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



#96

1,2,3-Trichlorobenzene

Concen: 2.21 ug/l

RT: 15.32 min Scan# 4271

Delta R.T. 0.00 min

Lab File: VN050221.D

Acq: 31 Jul 2018 17:46

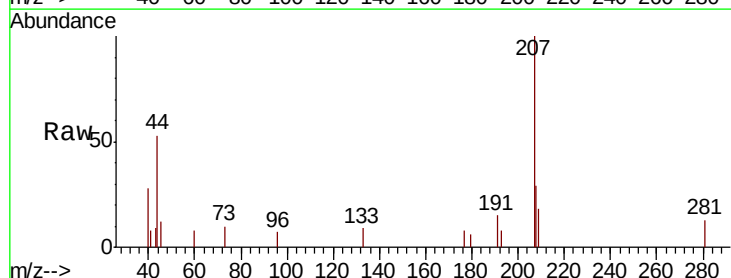
Tgt Ion:180 Resp: 31

Ion Ratio Lower Upper

180 100

182 0.0 48.1 144.4#

145 0.0 15.3 45.9#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

