

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071718\
 Data File : VN049858.D
 Acq On : 17 Jul 2018 20:28
 Operator : MD\SY
 Sample : J3994-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE BLANK-WATER REF-4

Quant Time: Jul 18 03:37:45 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071718W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 17 13:20:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	570522	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	919753	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	763330	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	292740	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	405697	53.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.18%	
35) Dibromofluoromethane	7.59	113	355811	48.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.54%	
50) Toluene-d8	10.09	98	1234751	46.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.20%	
62) 4-Bromofluorobenzene	12.40	95	341590	38.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	76.16%	

Target Compounds

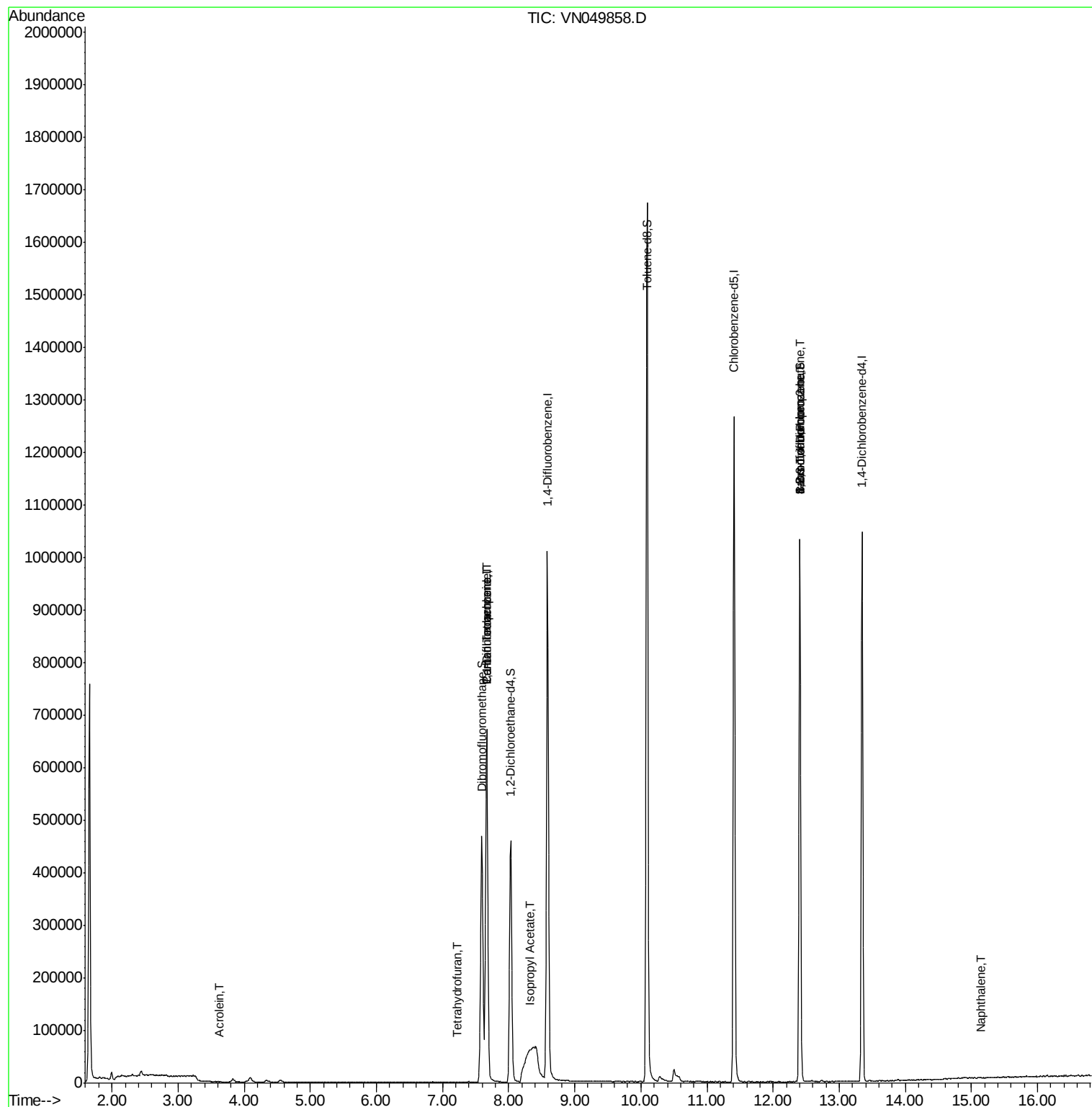
						Qvalue
2) Dichlorodifluoromethane	1.85	85	1182	Below Cal		86
3) Chloromethane	2.06	50	1150	Below Cal		90
5) Bromomethane	2.54	94	261	Below Cal	#	2
6) Chloroethane	2.71	64	31	Below Cal	#	43
7) Trichlorofluoromethane	3.01	101	34	Below Cal	#	17
13) Acrolein	3.62	56	275	16.25	ug/l #	30
16) Acetone	3.83	43	9367	Below Cal		99
17) Carbon Disulfide	4.05	76	2170	Below Cal	#	75
18) Methyl Acetate	4.34	43	7648	Below Cal	#	70
20) Methylene Chloride	4.55	84	2878	Below Cal	#	85
29) Tetrahydrofuran	7.22	42	442	0.22	ug/l #	44
31) Cyclohexane	7.66	56	10743	Below Cal	#	1
36) 1,1-Dichloropropene	7.67	75	39367	4.05	ug/l #	49
38) Carbon Tetrachloride	7.67	117	51647	5.04	ug/l #	16
43) Isopropyl Acetate	8.32	43	129118	10.46	ug/l #	62
71) Bromoform	12.40	173	3469	0.65	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	168661	29.45	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	168661	96.37	ug/l #	13
95) Naphthalene	15.13	128	628	2.87	ug/l #	69

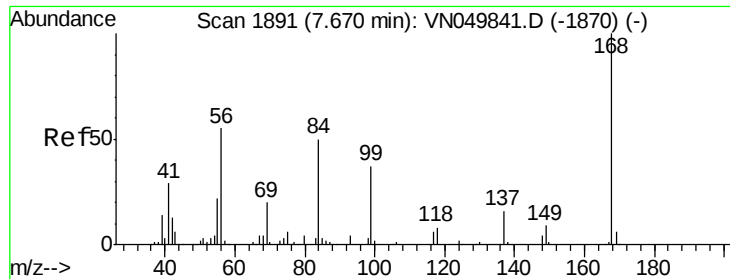
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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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: VN049858.D

Acq: 17 Jul 2018 20:28

Instrument :

MSVOA_N

ClientSampleId :

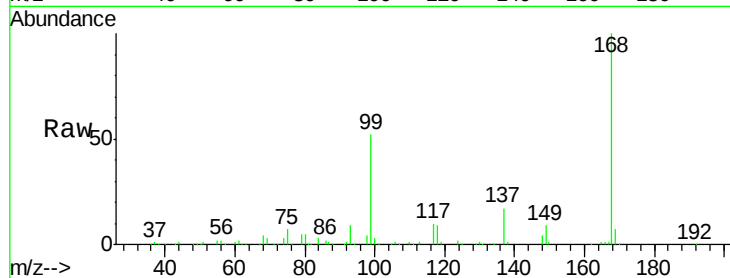
STORAGEBLANK-WATERREF-4

Tot Ion:168 Resp: 570522

Ion Ratio Lower Upper

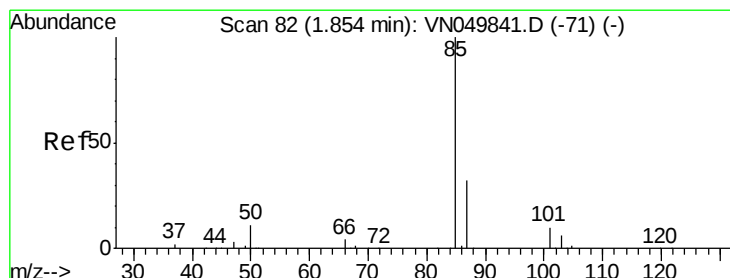
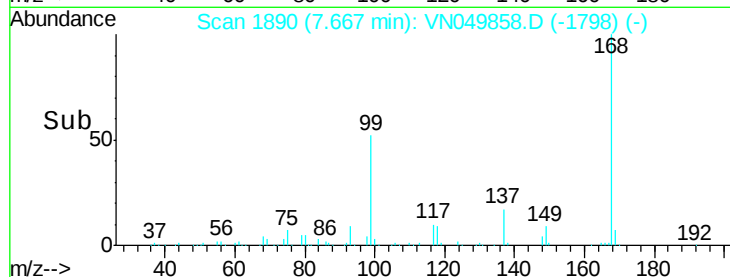
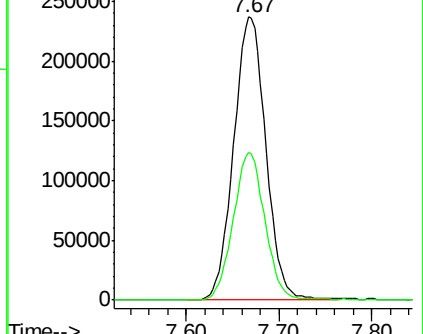
168 100

99 52.1 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.85 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN049858.D

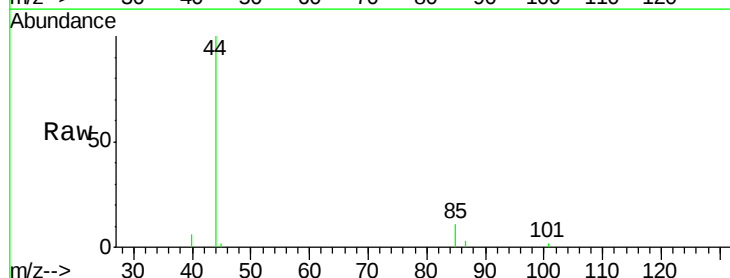
Acq: 17 Jul 2018 20:28

Tgt Ion: 85 Resp: 1182

Ion Ratio Lower Upper

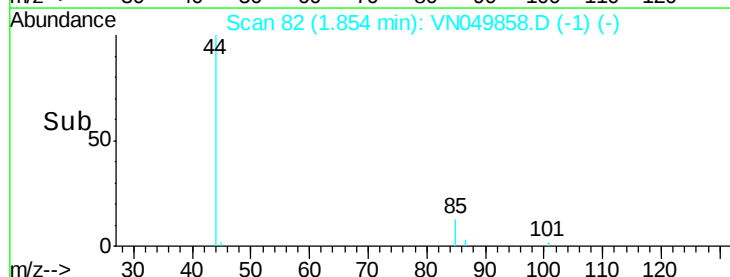
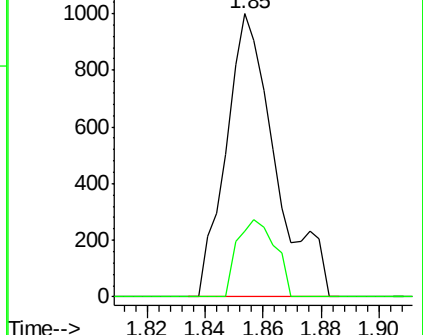
85 100

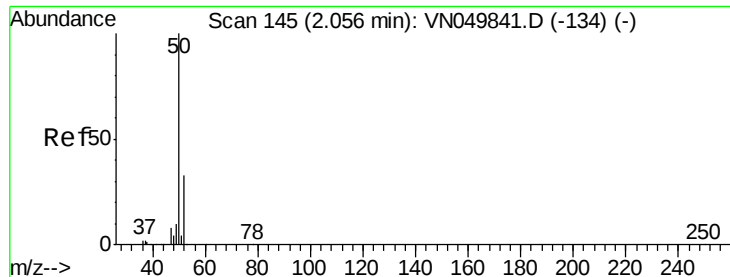
87 23.1 15.4 46.1



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0





#3

Chloromethane

Concen: Below Cal

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN049858.D

Acq: 17 Jul 2018 20:28

Instrument :

MSVOA_N

ClientSampleId :

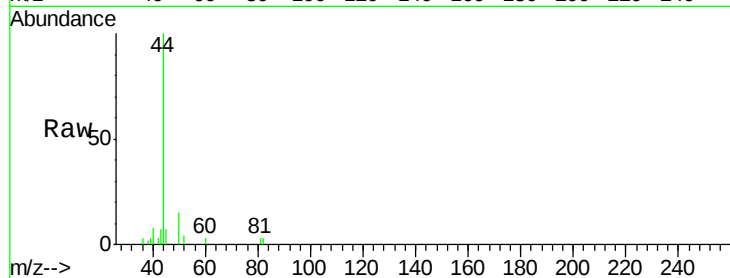
STORAGEBLANK-WATERREF-4

Tot Ion: 50 Resp: 1150

Ion Ratio Lower Upper

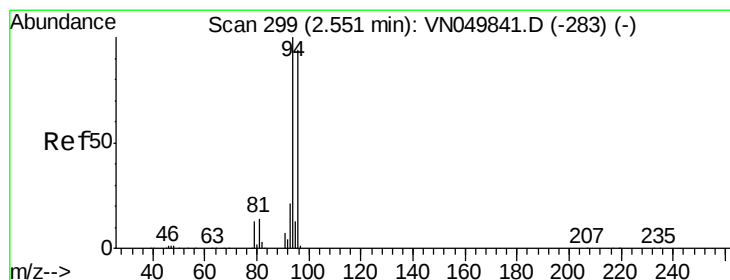
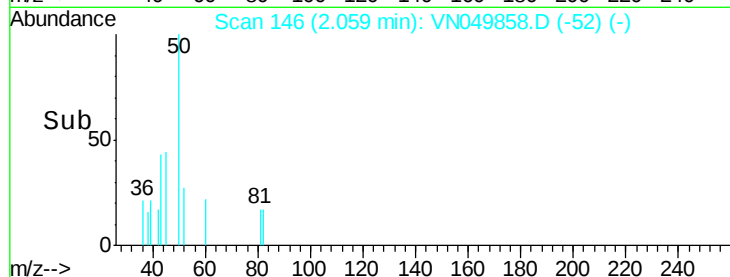
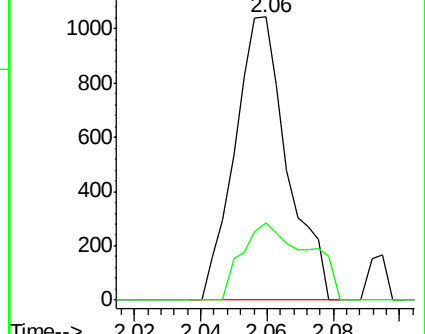
50 100

52 27.3 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#5

Bromomethane

Concen: Below Cal

RT: 2.54 min Scan# 297

Delta R.T. -0.01 min

Lab File: VN049858.D

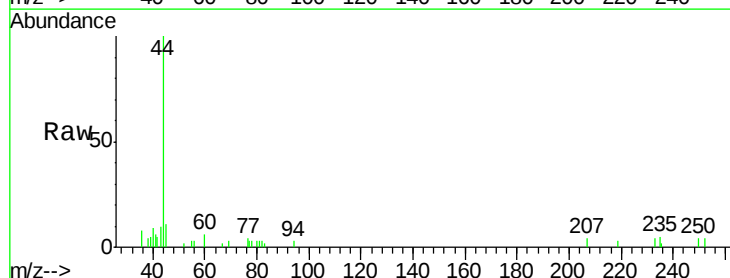
Acq: 17 Jul 2018 20:28

Tgt Ion: 94 Resp: 261

Ion Ratio Lower Upper

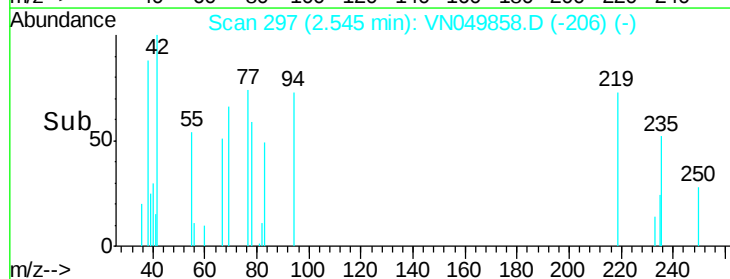
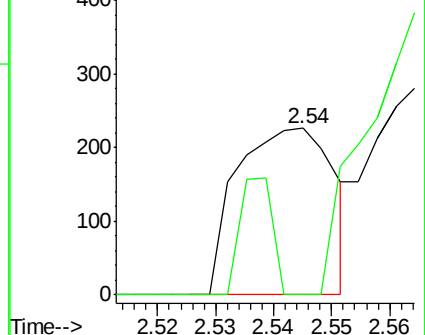
94 100

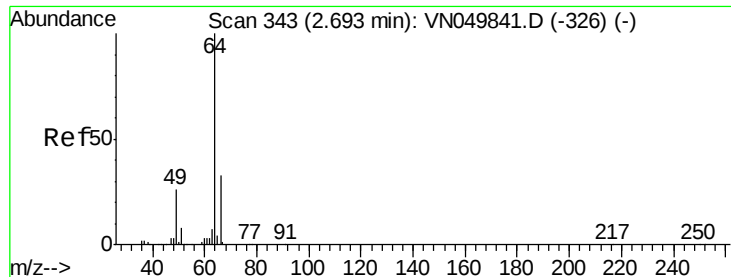
96 0.0 75.7 113.5#



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0





#6

Chloroethane

Concen: Below Cal

RT: 2.71 min Scan# 349

Delta R.T. 0.02 min

Lab File: VN049858.D

Acq: 17 Jul 2018 20:28

Instrument :

MSVOA_N

ClientSampleId :

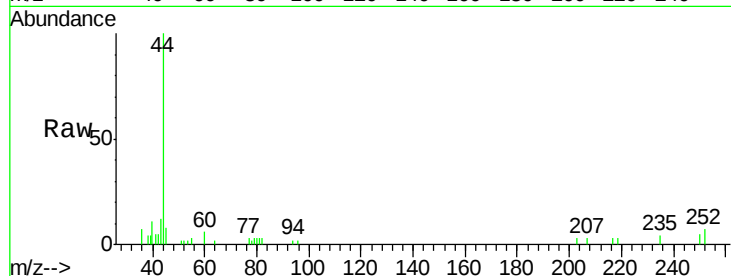
STORAGEBLANK-WATERREF-4

Tot Ion: 64 Resp: 31

Ion Ratio Lower Upper

64 100

66 0.0 25.6 38.4#



Abundance Ion 63.90 (63.60 to 64.60): VN049841.D (-326) (-)

Ion 65.90 (65.60 to 66.60): VN049841.D (-326) (-)

2.71

150

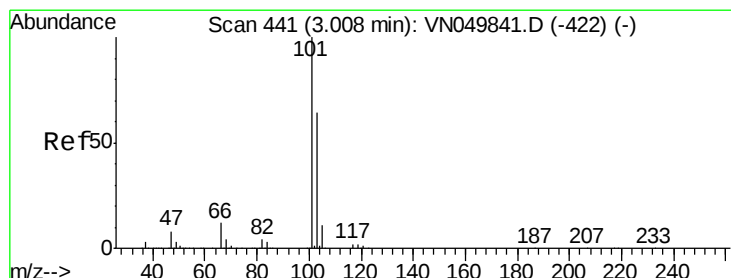
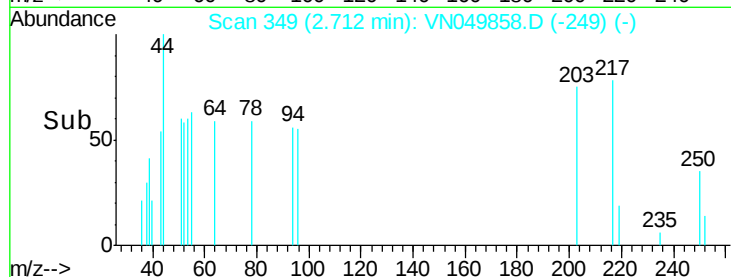
100

50

0

2.70 2.71 2.71 2.72

Time-->



#7

Trichlorofluoromethane

Concen: Below Cal

RT: 3.01 min Scan# 441

Delta R.T. 0.00 min

Lab File: VN049858.D

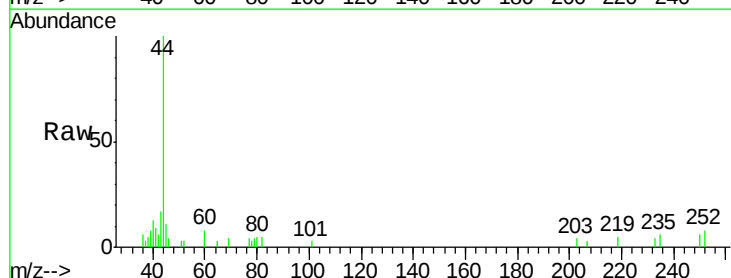
Acq: 17 Jul 2018 20:28

Tgt Ion: 101 Resp: 34

Ion Ratio Lower Upper

101 100

103 0.0 52.8 79.2#



Abundance Ion 100.90 (100.60 to 101.60): VN049841.D (-422) (-)

Ion 102.80 (102.50 to 103.50): VN049841.D (-422) (-)

3.01

200

150

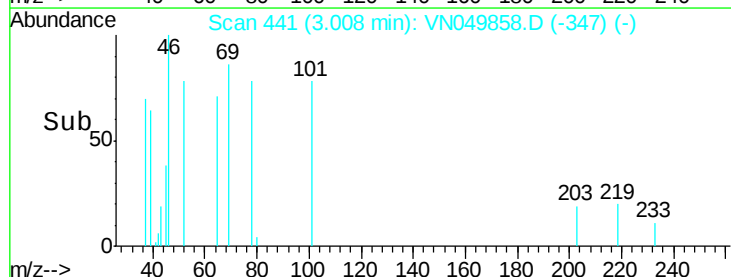
100

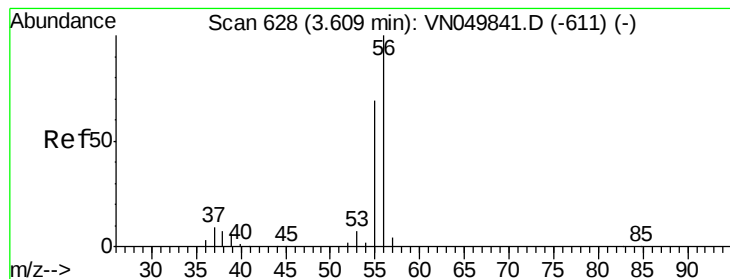
50

0

3.00 3.01 3.01 3.02

Time-->





#13

Acrolein

Concen: 16.25 ug/l

RT: 3.62 min Scan# 631

Delta R.T. 0.01 min

Lab File: VN049858.D

Acq: 17 Jul 2018 20:28

Instrument :

MSVOA_N

ClientSampleId :

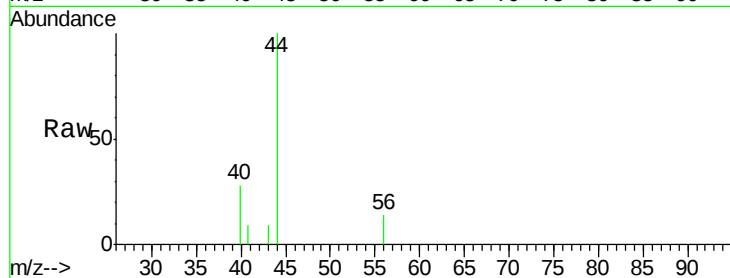
STORAGEBLANK-WATERREF-4

Tot Ion: 56 Resp: 275

Ion Ratio Lower Upper

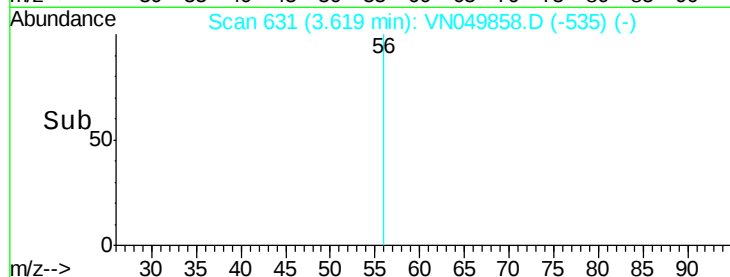
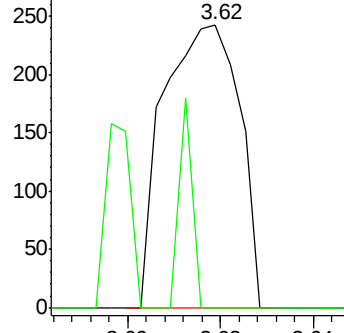
56 100

55 12.7 55.8 83.8#

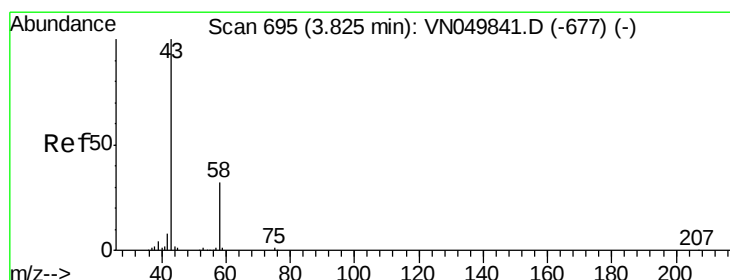


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



Time-->



#16

Acetone

Concen: Below Cal

RT: 3.83 min Scan# 697

Delta R.T. 0.01 min

Lab File: VN049858.D

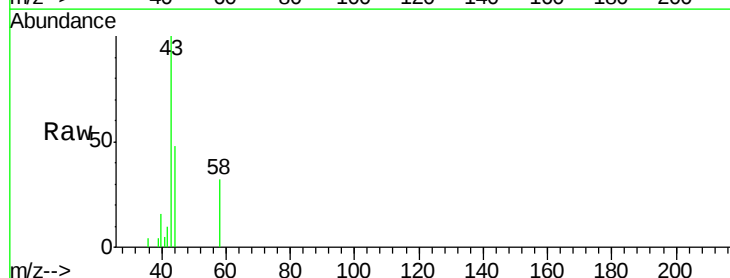
Acq: 17 Jul 2018 20:28

Tgt Ion: 43 Resp: 9367

Ion Ratio Lower Upper

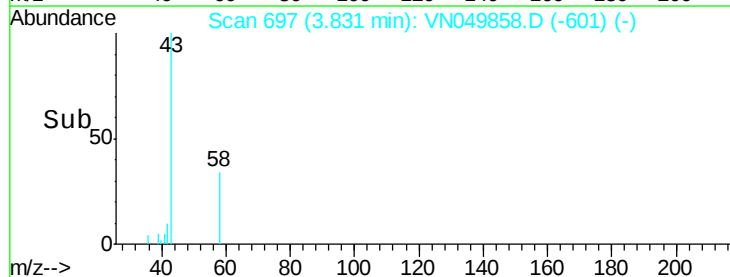
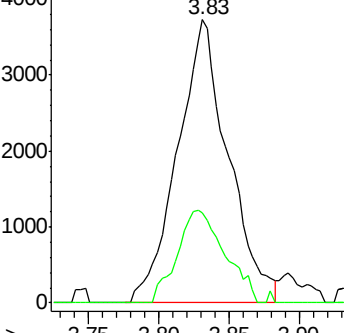
43 100

58 31.8 25.9 38.9

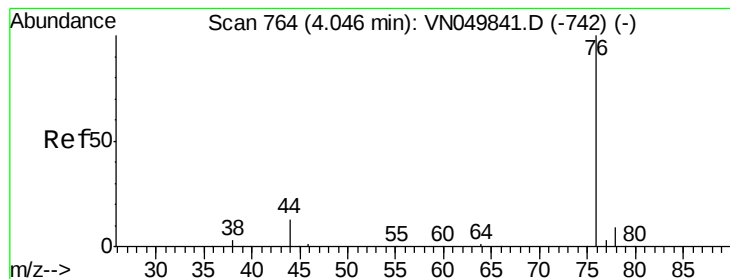


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



Time-->



#17

Carbon Disulfide

Concen: Below Cal

RT: 4.05 min Scan# 765

Delta R.T. 0.00 min

Lab File: VN049858.D

Acq: 17 Jul 2018 20:28

Instrument :

MSVOA_N

ClientSampleId :

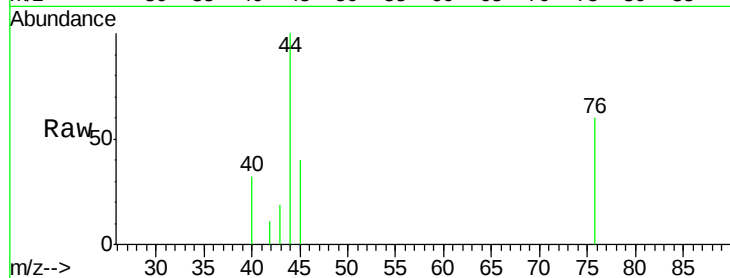
STORAGEBLANK-WATERREF-4

Tot Ion: 76 Resp: 2170

Ion Ratio Lower Upper

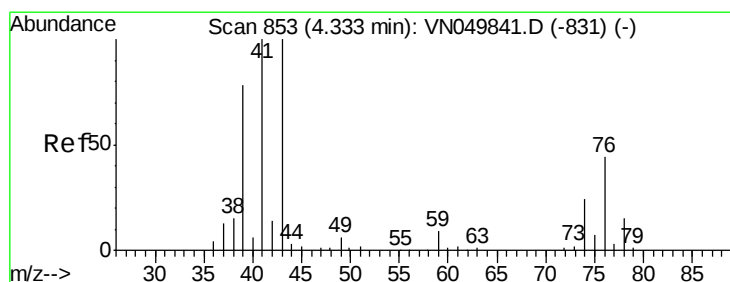
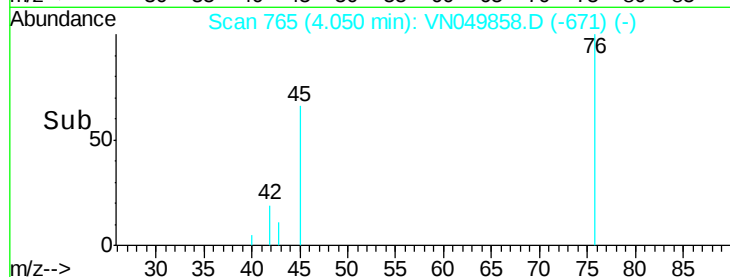
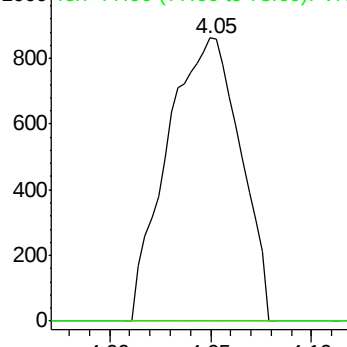
76 100

78 0.0 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: Below Cal

RT: 4.34 min Scan# 856

Delta R.T. 0.01 min

Lab File: VN049858.D

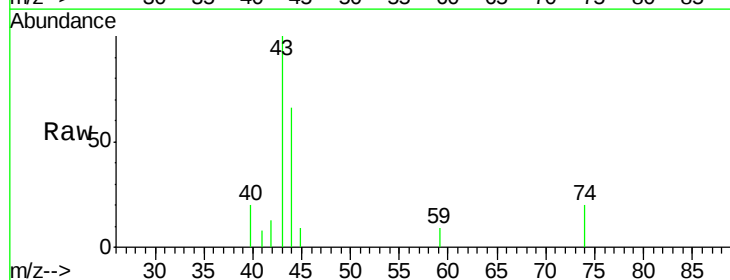
Acq: 17 Jul 2018 20:28

Tgt Ion: 43 Resp: 7648

Ion Ratio Lower Upper

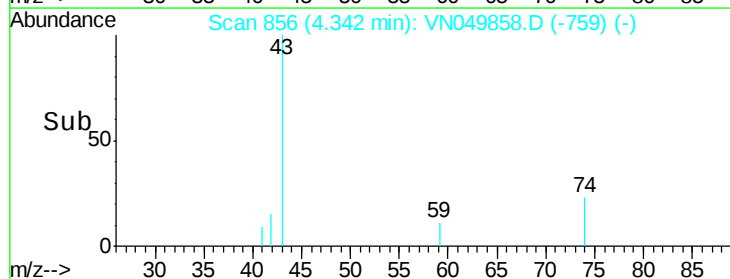
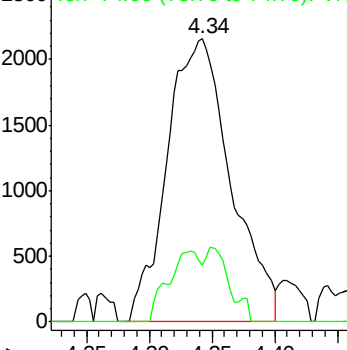
43 100

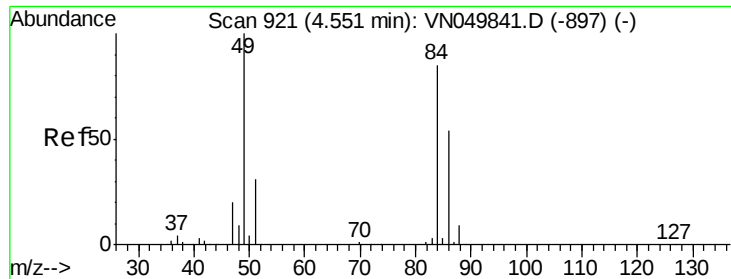
74 9.8 19.8 29.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

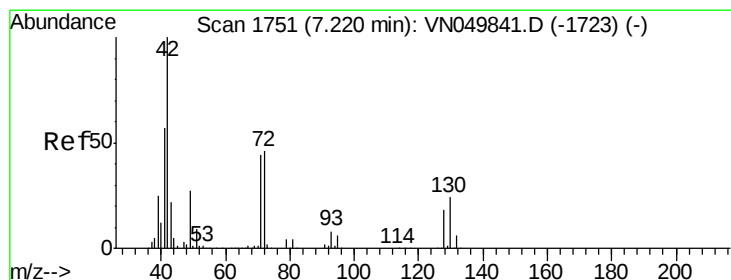
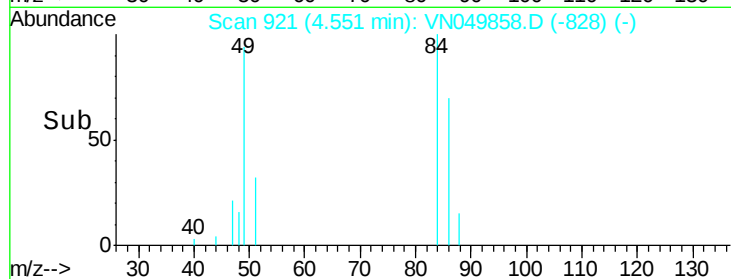
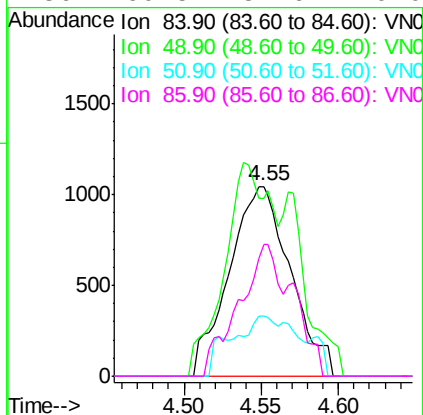
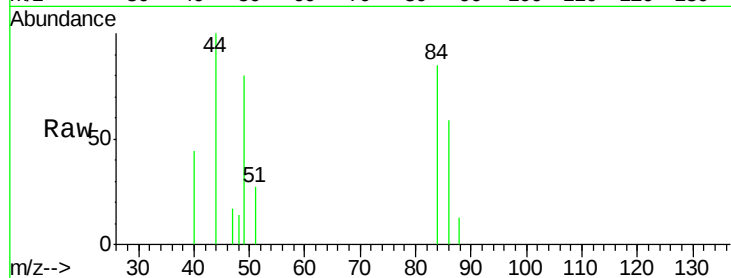




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN049858.D
Acq: 17 Jul 2018 20:28

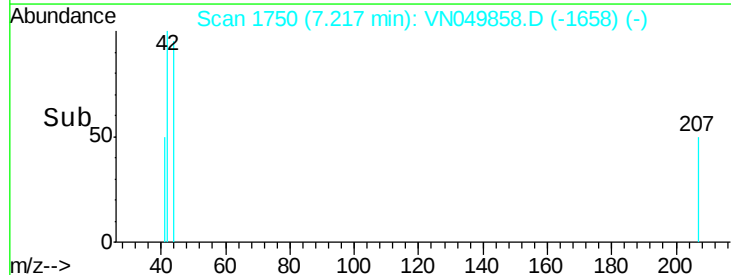
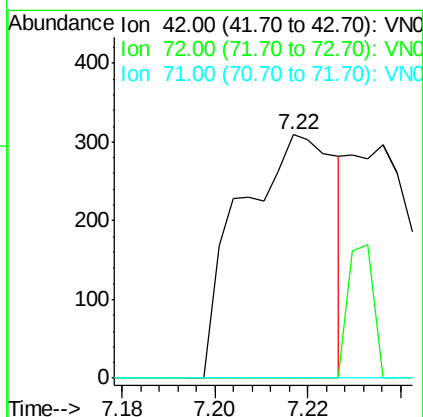
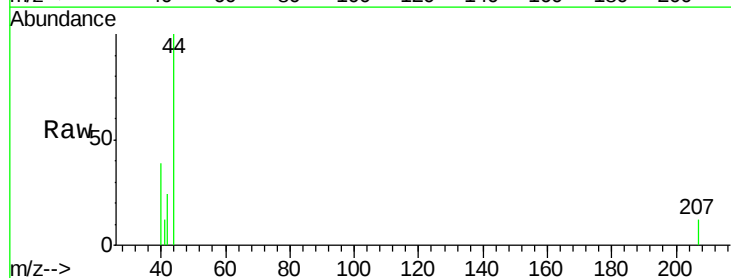
Instrument :
MSVOA_N
ClientSampleId :
STORAGEBLANK-WATERREF-4

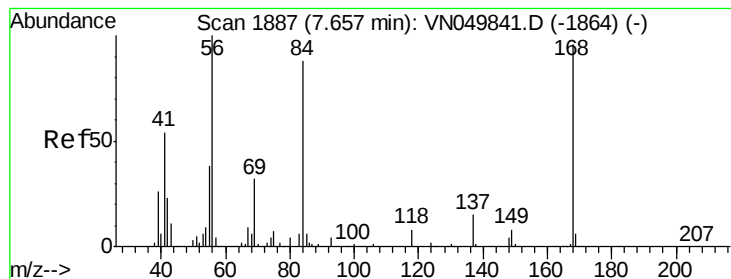
Tot Ion: 84 Resp: 2878
Ion Ratio Lower Upper
84 100
49 93.9 95.4 143.2#
51 31.6 28.4 42.6
86 69.5 52.6 79.0



#29
Tetrahydrofuran
Concen: 0.22 ug/l
RT: 7.22 min Scan# 1750
Delta R.T. -0.00 min
Lab File: VN049858.D
Acq: 17 Jul 2018 20:28

Tgt Ion: 42 Resp: 442
Ion Ratio Lower Upper
42 100
72 14.5 35.6 53.4#
71 0.0 34.0 51.0#





#31

Cyclohexane

Concen: Below Cal

RT: 7.66 min Scan# 1889

Delta R.T. 0.01 min

Lab File: VN049858.D

Acq: 17 Jul 2018 20:28

Instrument :

MSVOA_N

ClientSampleId :

STORAGEBLANK-WATERREF-4

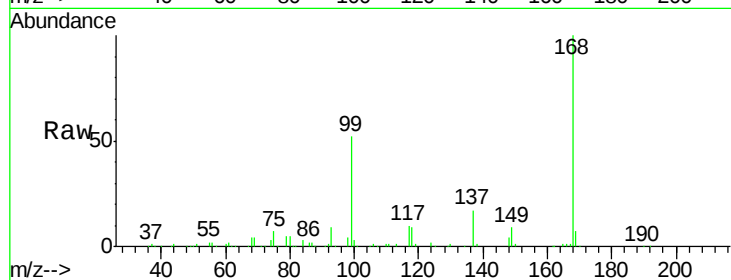
Tot Ion: 56 Resp: 10743

Ion Ratio Lower Upper

56 100

69 177.2 26.6 40.0#

84 134.5 69.0 103.6#

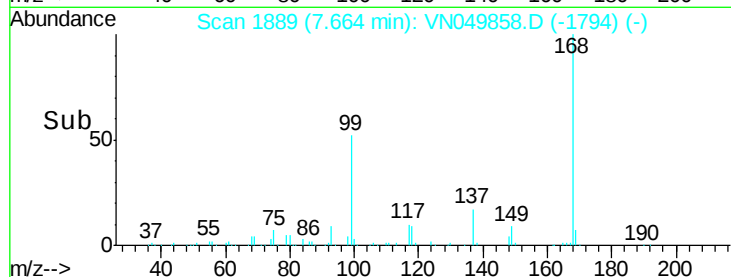


Abundance Ion 56.00 (55.70 to 56.70): VN049841.D (-1864) (-)

Ion 69.00 (68.70 to 69.70): VN049841.D (-1864) (-)

Ion 84.00 (83.70 to 84.70): VN049841.D (-1864) (-)

Time-->

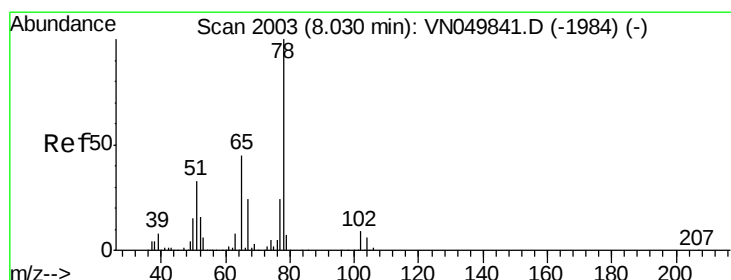


Abundance Ion 56.00 (55.70 to 56.70): VN049858.D (-1794) (-)

Ion 69.00 (68.70 to 69.70): VN049858.D (-1794) (-)

Ion 84.00 (83.70 to 84.70): VN049858.D (-1794) (-)

Time-->



#33

1,2-Dichloroethane-d4

Concen: 53.09 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN049858.D

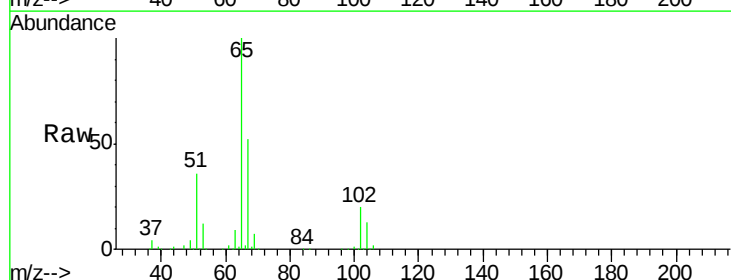
Acq: 17 Jul 2018 20:28

Tgt Ion: 65 Resp: 405697

Ion Ratio Lower Upper

65 100

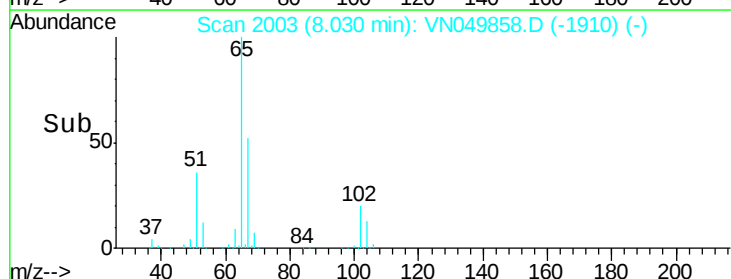
67 52.2 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VN049841.D (-1984) (-)

Ion 66.90 (66.60 to 67.60): VN049841.D (-1984) (-)

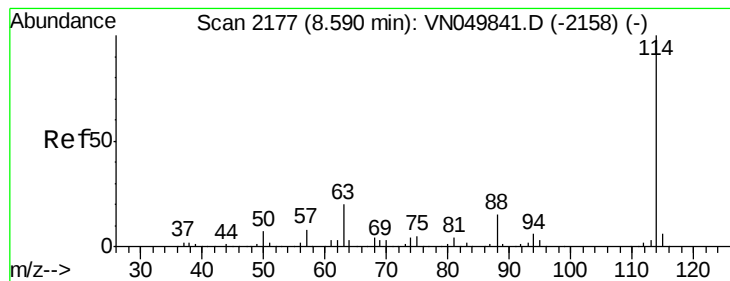
Time-->



Abundance Ion 64.90 (64.60 to 65.60): VN049858.D (-1910) (-)

Ion 66.90 (66.60 to 67.60): VN049858.D (-1910) (-)

Time-->



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2176

Delta R.T. -0.00 min

Lab File: VN049858.D

Acq: 17 Jul 2018 20:28

Instrument :

MSVOA_N

ClientSampleId :

STORAGEBLANK-WATERREF-4

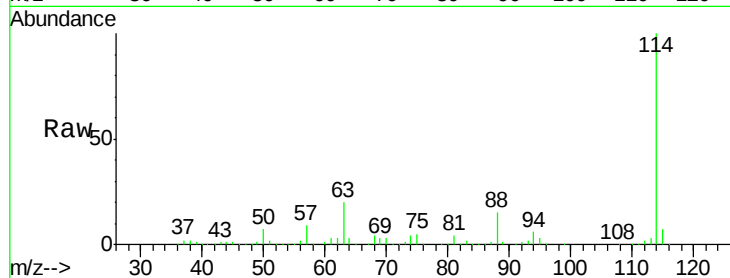
Tot Ion:114 Resp: 919753

Ion Ratio Lower Upper

114 100

63 20.2 0.0 39.8

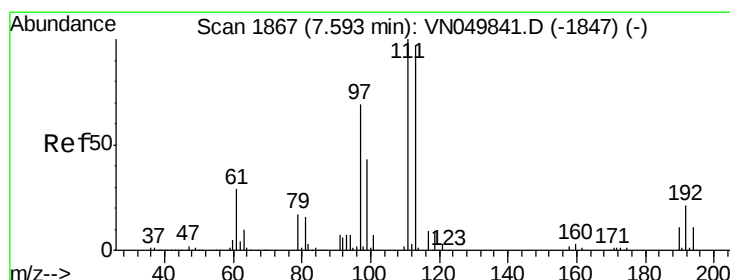
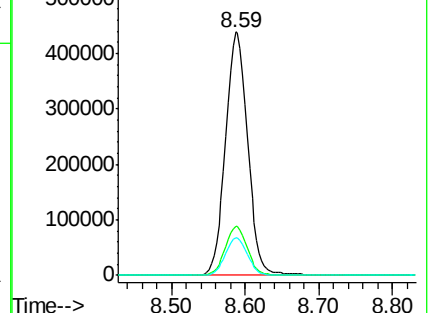
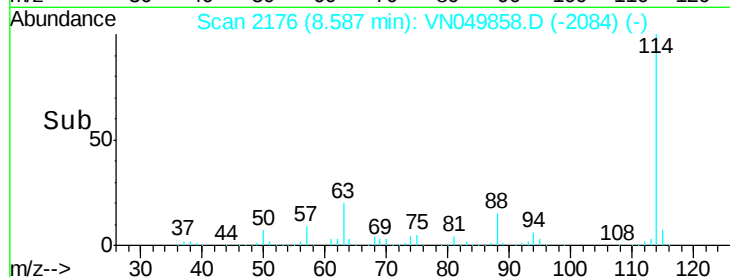
88 15.4 0.0 30.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0



#35

Dibromofluoromethane

Concen: 48.77 ug/l

RT: 7.59 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VN049858.D

Acq: 17 Jul 2018 20:28

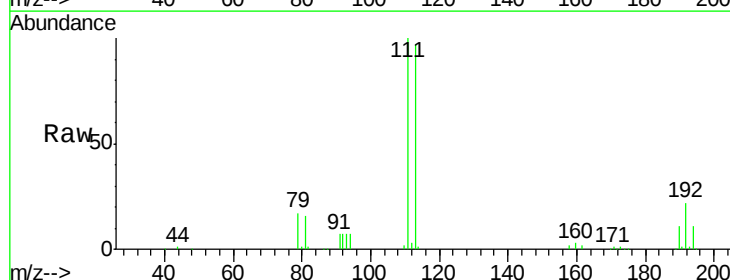
Tgt Ion:113 Resp: 355811

Ion Ratio Lower Upper

113 100

111 102.4 81.8 122.8

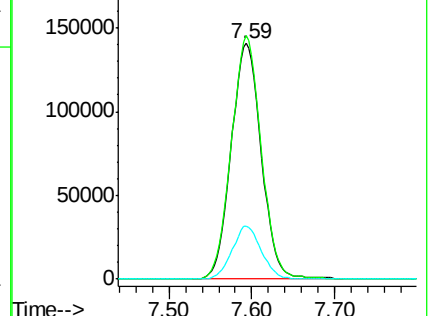
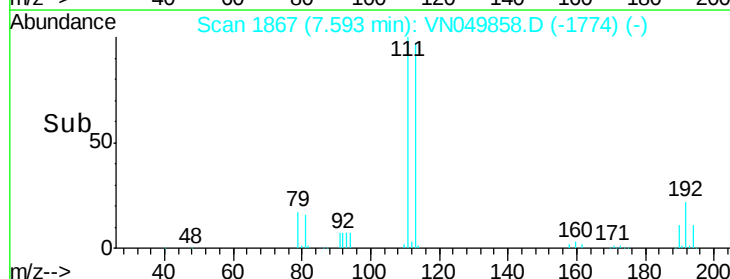
192 21.9 17.8 26.6

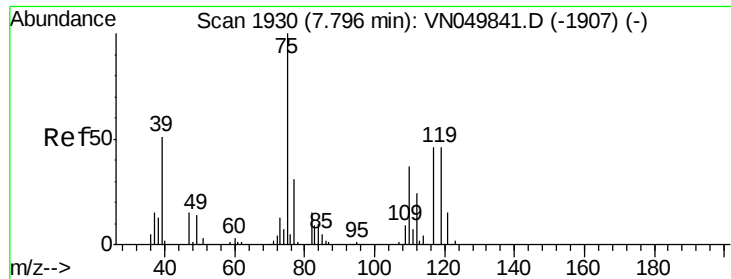


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

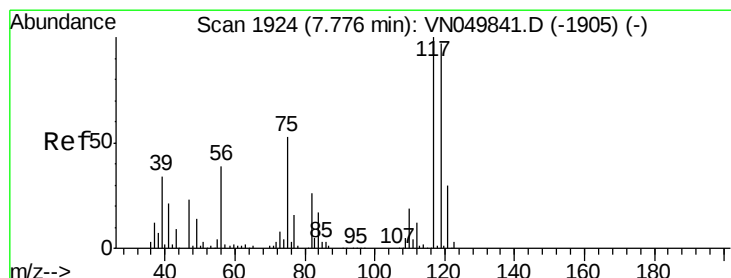
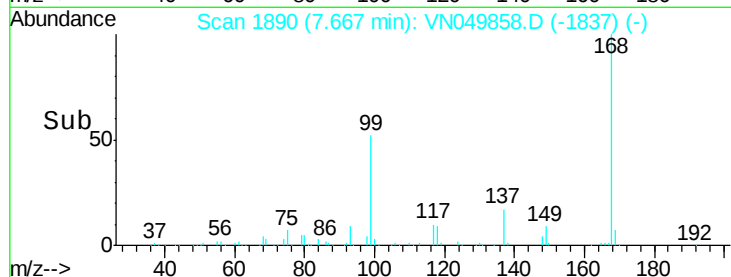
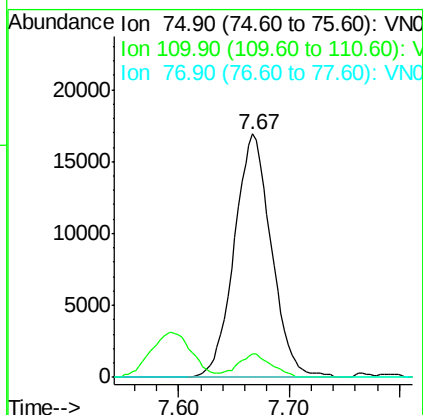
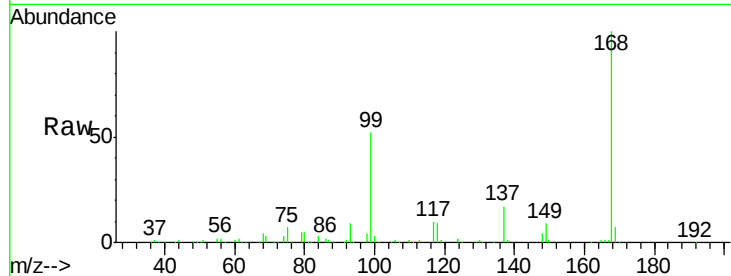




#36
 1,1-Dichloropropene
 Concen: 4.05 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.13 min
 Lab File: VN049858.D
 Acq: 17 Jul 2018 20:28

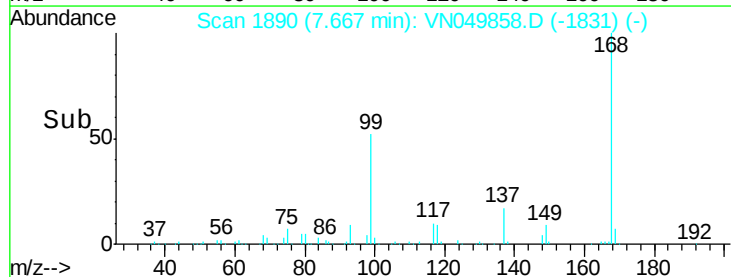
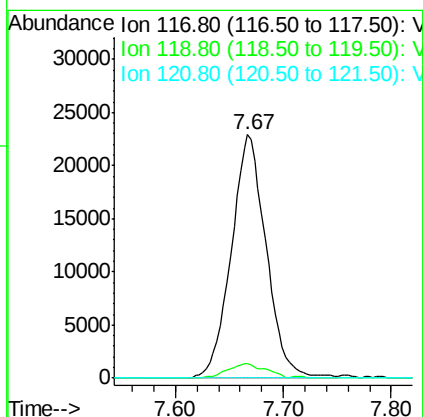
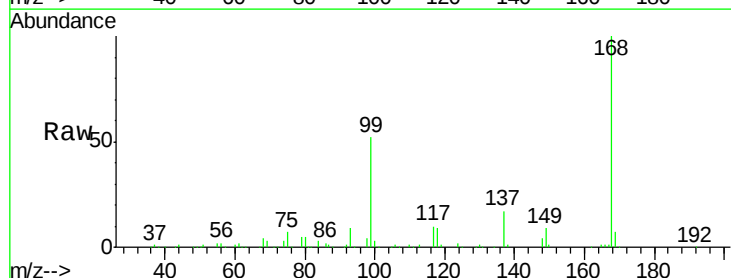
Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGEBLANK-WATERREF-4

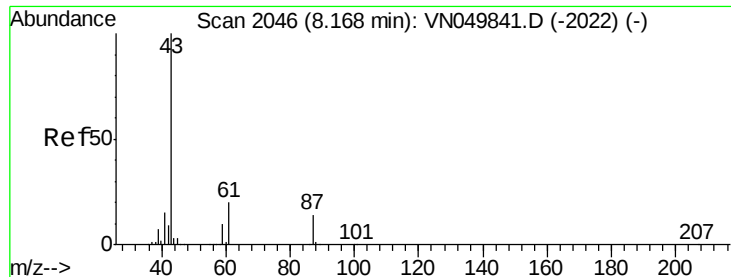
Tot Ion: 75 Resp: 39367
 Ion Ratio Lower Upper
 75 100
 110 8.7 18.1 54.4#
 77 0.0 24.9 37.3#



#38
 Carbon Tetrachloride
 Concen: 5.04 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.11 min
 Lab File: VN049858.D
 Acq: 17 Jul 2018 20:28

Tgt Ion: 117 Resp: 51647
 Ion Ratio Lower Upper
 117 100
 119 6.0 77.2 115.8#
 121 0.0 25.0 37.6#



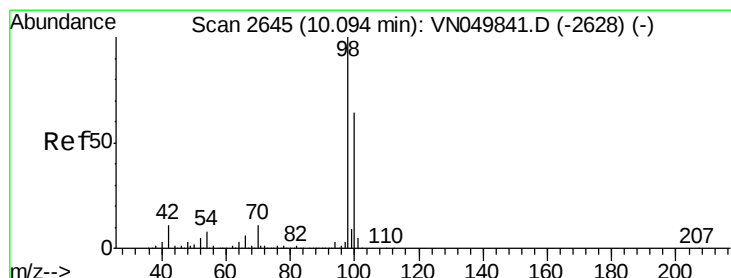
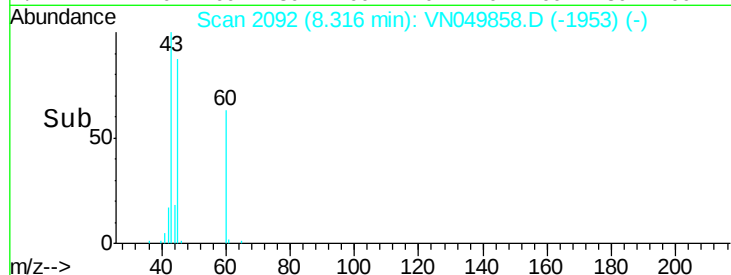
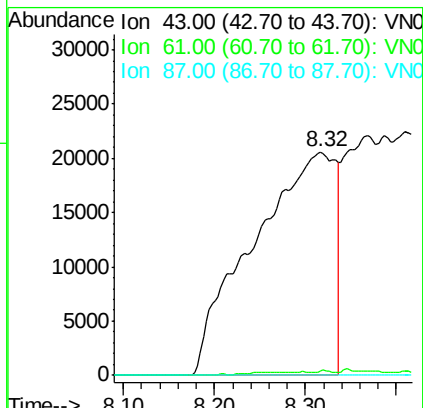
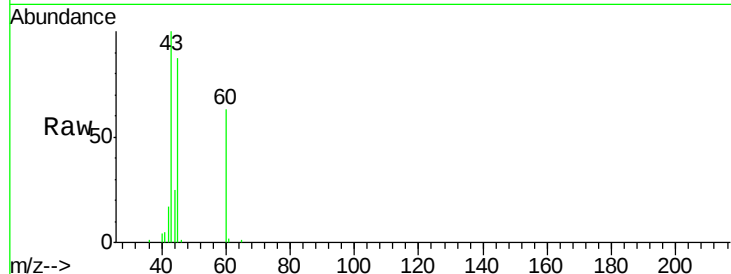


#43

Isopropyl Acetate
 Concen: 10.46 ug/l
 RT: 8.32 min Scan# 2092
 Delta R.T. 0.15 min
 Lab File: VN049858.D
 Acq: 17 Jul 2018 20:28

Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGEBLANK-WATERREF-4

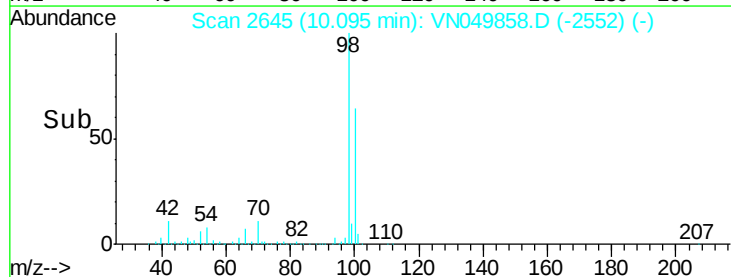
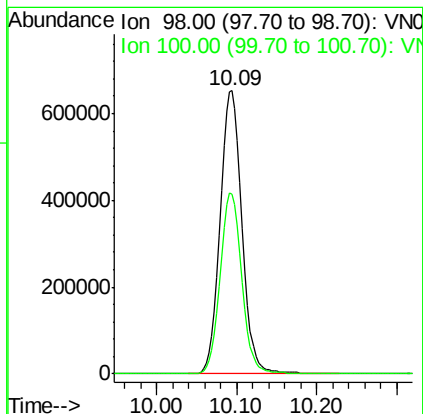
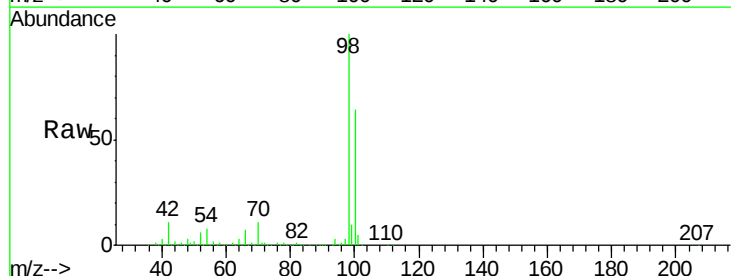
Tot Ion: 43 Resp: 129118
 Ion Ratio Lower Upper
 43 100
 61 0.0 14.9 22.3#
 87 0.0 10.0 15.0#

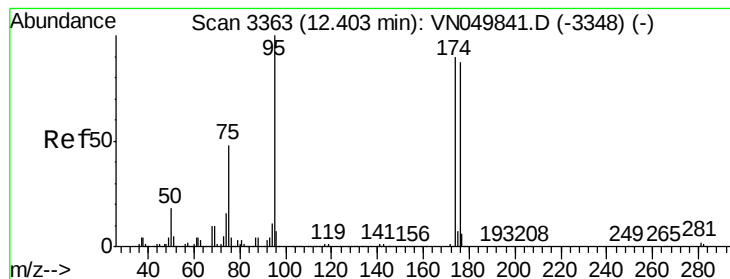


#50

Toluene-d8
 Concen: 46.10 ug/l
 RT: 10.09 min Scan# 2645
 Delta R.T. 0.00 min
 Lab File: VN049858.D
 Acq: 17 Jul 2018 20:28

Tgt Ion: 98 Resp: 1234751
 Ion Ratio Lower Upper
 98 100
 100 63.7 51.7 77.5





#62

4-Bromofluorobenzene

Concen: 38.08 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN049858.D

Acq: 17 Jul 2018 20:28

Instrument :

MSVOA_N

ClientSampleId :

STORAGEBLANK-WATERREF-4

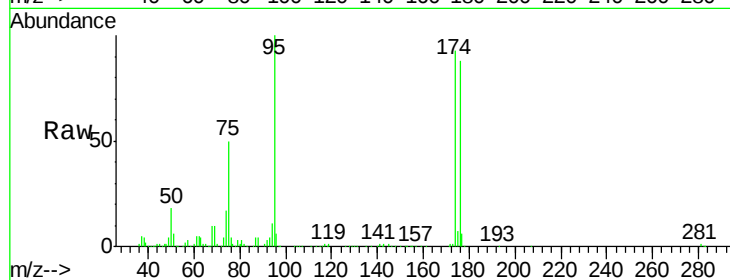
Tot Ion: 95 Resp: 341590

Ion Ratio Lower Upper

95 100

174 92.0 0.0 179.6

176 87.6 0.0 174.0



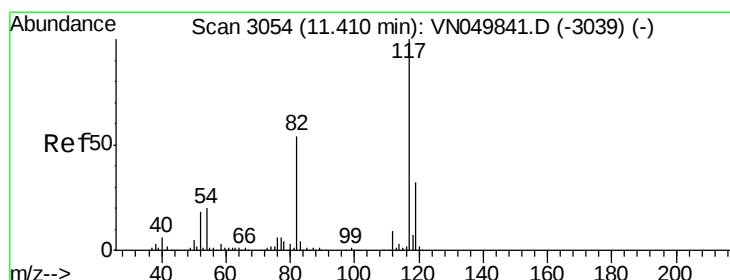
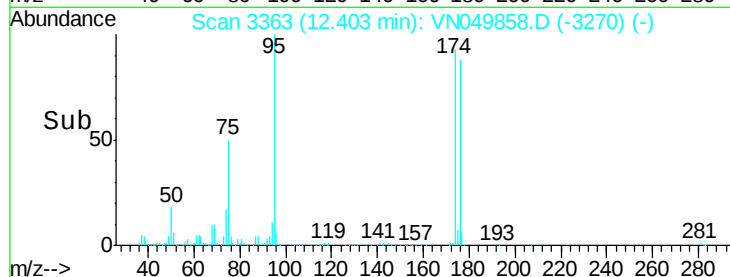
Abundance Ion 94.90 (94.60 to 95.60): VN049841.D (-3348) (-)

Ion 173.80 (173.50 to 174.50): VN049841.D (-3348) (-)

Ion 175.80 (175.50 to 176.50): VN049841.D (-3348) (-)

Time-->

12.35 12.40 12.45 12.50



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. 0.00 min

Lab File: VN049858.D

Acq: 17 Jul 2018 20:28

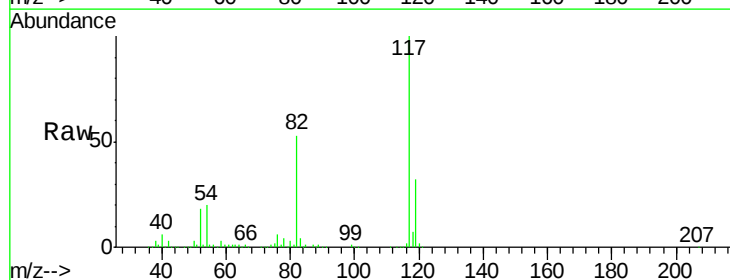
Tgt Ion: 117 Resp: 763330

Ion Ratio Lower Upper

117 100

82 53.5 41.9 62.9

119 32.0 25.4 38.2



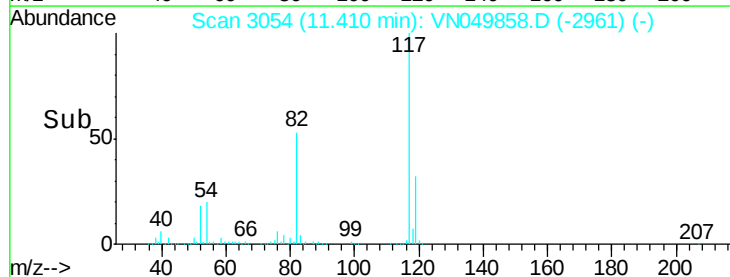
Abundance Ion 116.90 (116.60 to 117.60): VN049841.D (-3039) (-)

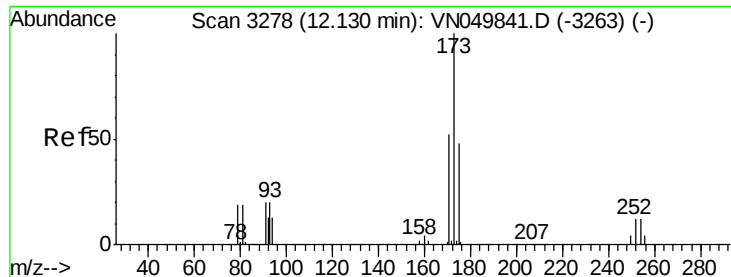
Ion 82.00 (81.70 to 82.70): VN049841.D (-3039) (-)

Ion 118.90 (118.60 to 119.60): VN049841.D (-3039) (-)

Time-->

11.30 11.40 11.50





#71

Bromoform

Concen: 0.65 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.27 min

Lab File: VN049858.D

Acq: 17 Jul 2018 20:28

Instrument :

MSVOA_N

ClientSampleId :

STORAGEBLANK-WATERREF-4

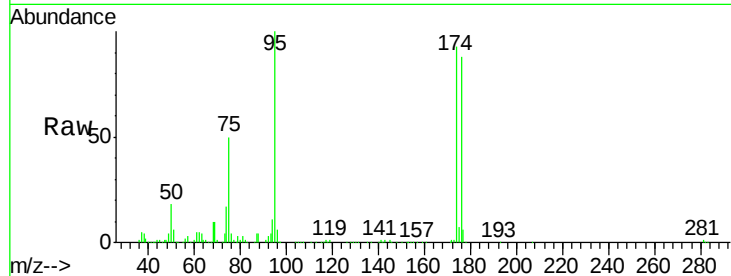
Tot Ion:173 Resp: 3469

Ion Ratio Lower Upper

173 100

175 567.3 24.6 73.8#

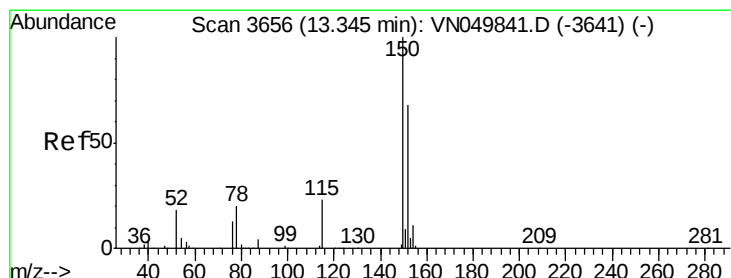
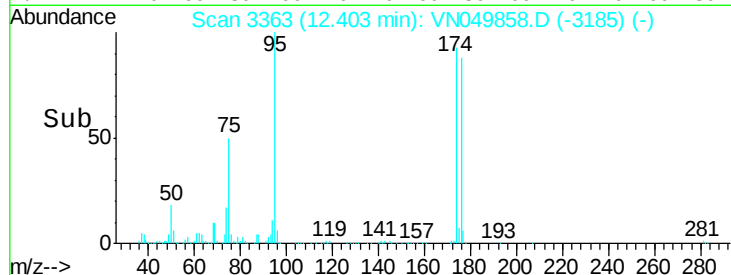
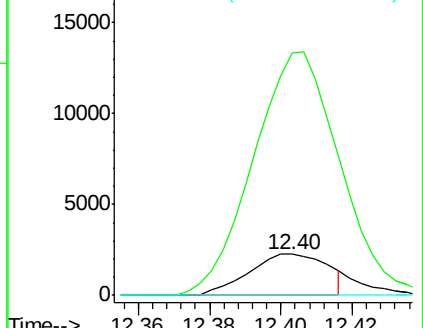
254 0.0 0.2 0.2#



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: VN049858.D

Acq: 17 Jul 2018 20:28

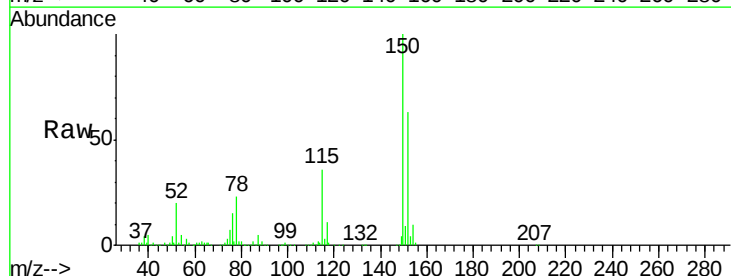
Tgt Ion:152 Resp: 292740

Ion Ratio Lower Upper

152 100

115 56.6 28.1 84.2

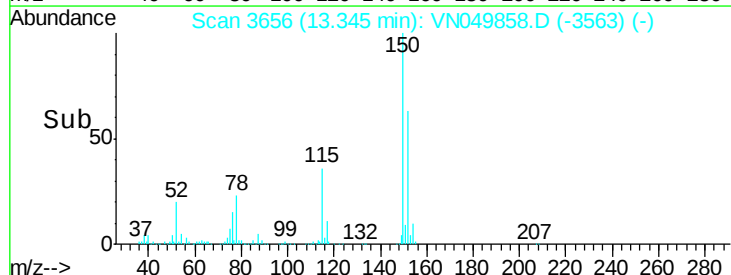
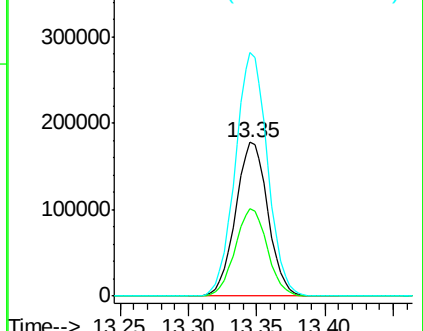
150 158.0 0.0 347.6

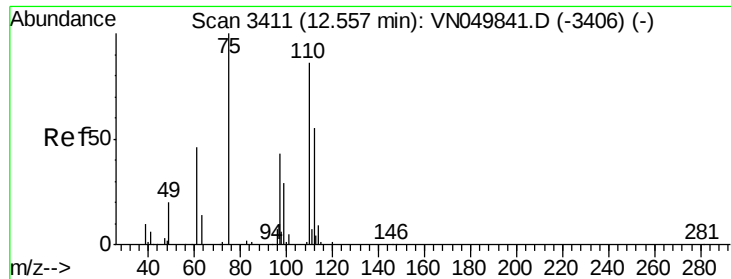


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 29.45 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN049858.D

Acq: 17 Jul 2018 20:28

Instrument :

MSVOA_N

ClientSampleId :

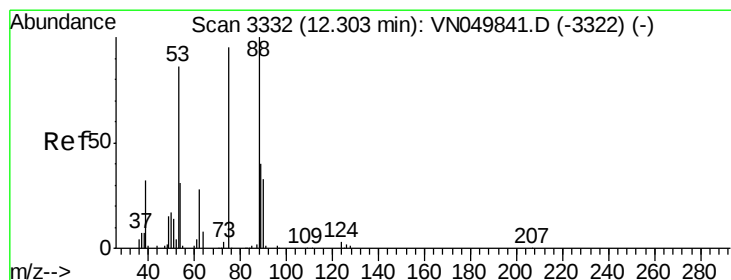
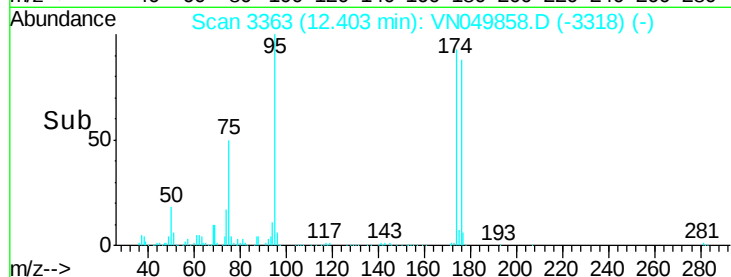
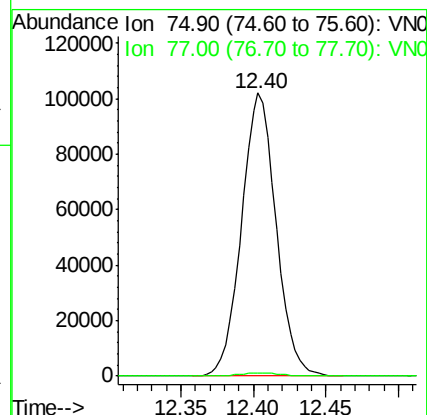
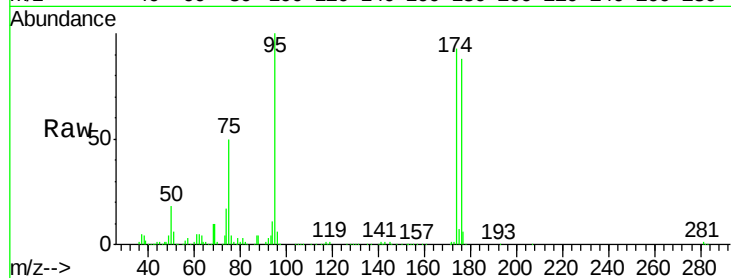
STORAGEBLANK-WATERREF-4

Tot Ion: 75 Resp: 168661

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 96.37 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN049858.D

Acq: 17 Jul 2018 20:28

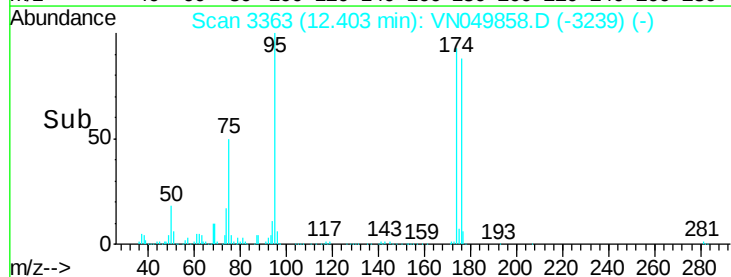
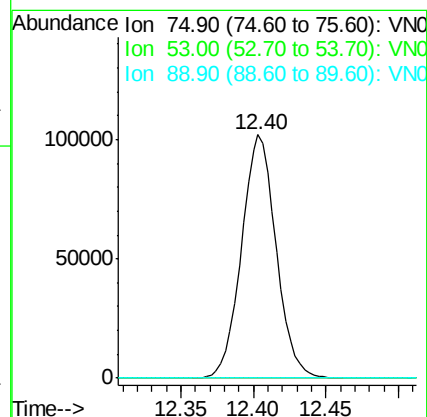
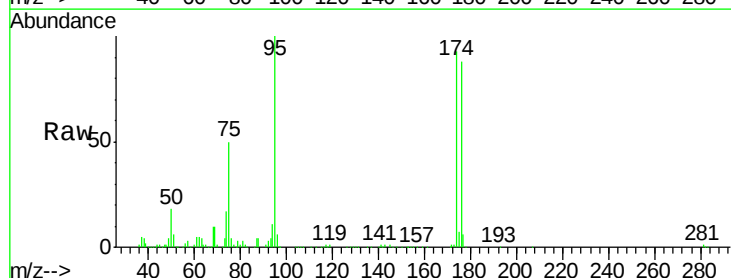
Tgt Ion: 75 Resp: 168661

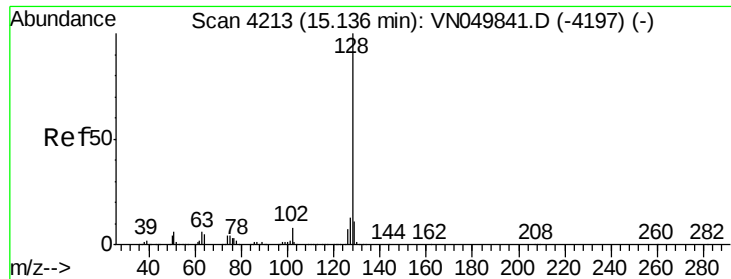
Ion Ratio Lower Upper

75 100

53 0.2 73.9 110.9#

89 0.0 35.9 53.9#





#95
Naphthalene
Concen: 2.87 ug/l
RT: 15.13 min Scan# 4212
Delta R.T. -0.00 min
Lab File: VN049858.D
Acq: 17 Jul 2018 20:28

Instrument :
MSVOA_N
ClientSampleId :
STORAGEBLANK-WATERREF-4

Tot Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.4	15.6#
129	0.0	8.6	13.0#

