

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101218\
 Data File : VN051845.D
 Acq On : 12 Oct 2018 21:10
 Operator : MD\SY
 Sample : J5459-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 26 Sample Multiplier: 28

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

Quant Time: Oct 13 02:08:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101118W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 12 09:51:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	854382	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1208409	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1034566	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	351834	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	450369	55.15	ug/l	0.00
Spiked Amount			Recovery	=	110.30%	
35) Dibromofluoromethane	7.59	113	442156	58.85	ug/l	0.00
Spiked Amount			Recovery	=	117.70%	
50) Toluene-d8	10.09	98	1638673	58.52	ug/l	0.00
Spiked Amount			Recovery	=	117.04%	
62) 4-Bromofluorobenzene	12.40	95	455154	47.09	ug/l	0.00
Spiked Amount			Recovery	=	94.18%	

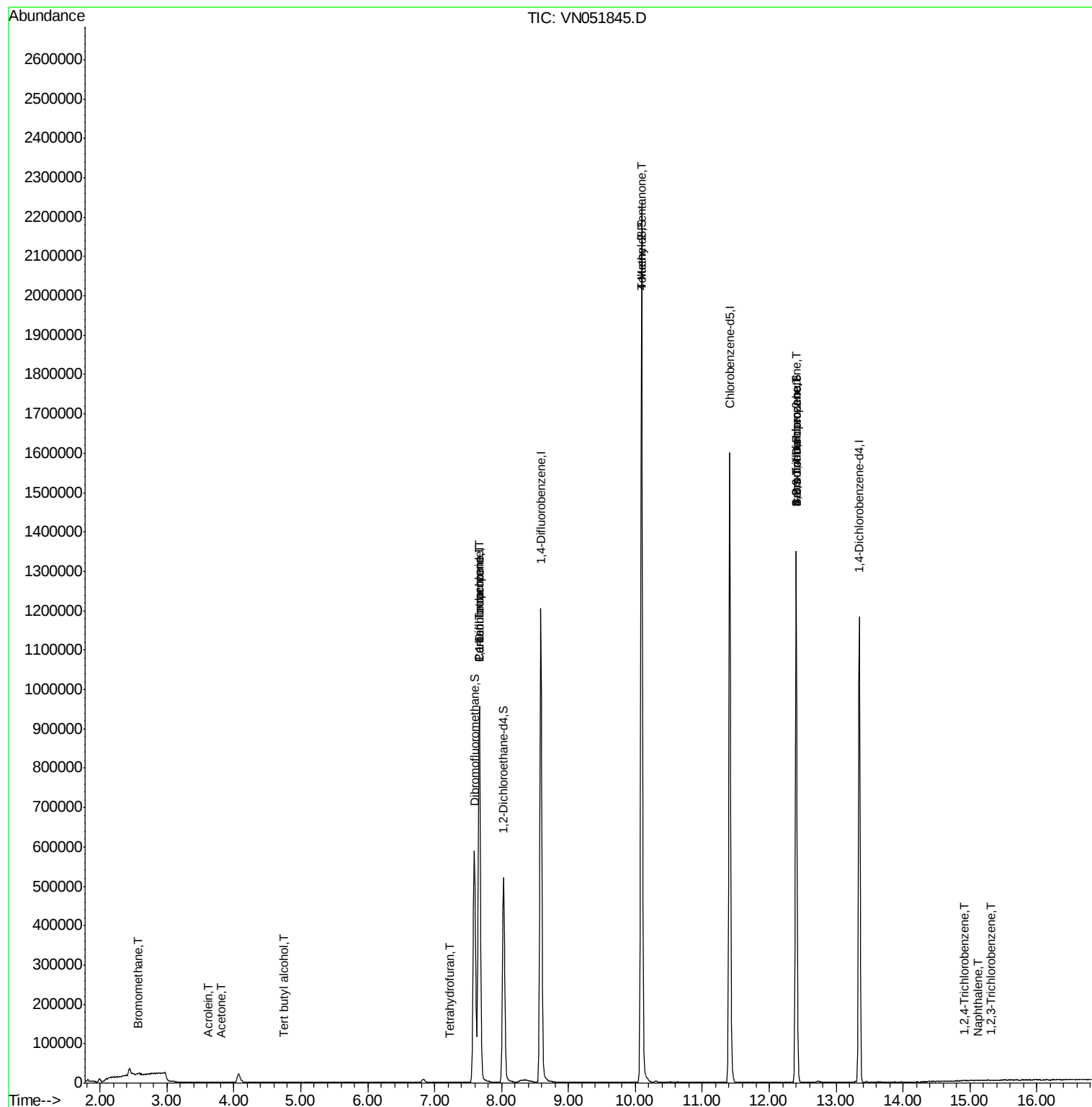
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.57	94	2550	0.328	ug/l	86
11) Tert butyl alcohol	4.75	59	319	0.531	ug/l #	72
13) Acrolein	3.60	56	29	15.984	ug/l #	1
16) Acetone	3.81	43	435	0.247	ug/l #	56
18) Methyl Acetate	4.33	43	1143	Below Cal	#	50
29) Tetrahydrofuran	7.22	42	322	0.217	ug/l #	50
31) Cyclohexane	7.66	56	14827	Below Cal	#	7
36) 1,1-Dichloropropene	7.66	75	51749	5.290	ug/l #	51
38) Carbon Tetrachloride	7.66	117	77758	6.857	ug/l #	16
43) Isopropyl Acetate	8.17	43	145	Below Cal	#	58
51) 4-Methyl-2-Pentanone	10.09	43	6173	1.184	ug/l #	1
71) Bromoform	12.40	173	3699	4.126	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	229618	52.923	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	229618	150.288	ug/l #	15
93) 1,2,4-Trichlorobenzene	14.91	180	593	3.748	ug/l #	78
95) Naphthalene	15.14	128	1742	4.519	ug/l #	73
96) 1,2,3-Trichlorobenzene	15.31	180	404	2.923	ug/l #	63

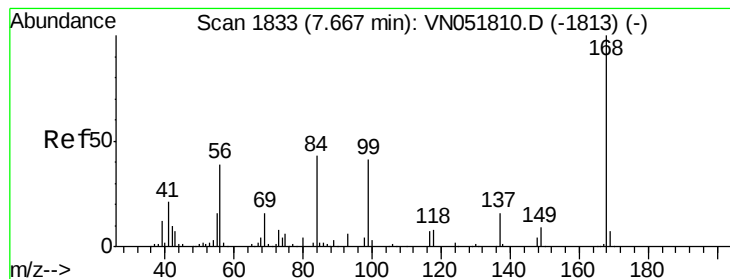
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Oct 12 09:51:20 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN051845.D

Acq: 12 Oct 2018 21:10

Instrument :

MSVOA_N

ClientSampleId :

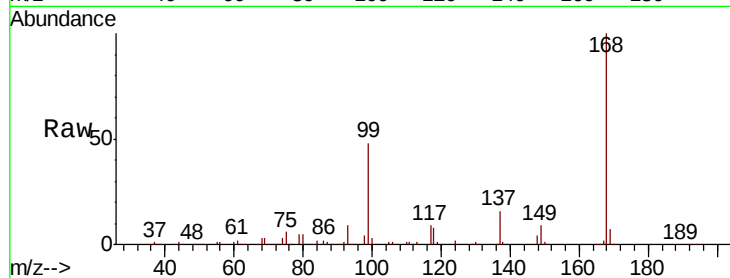
STORAGE-BLANK-WATER-REF-4

Tot Ion:168 Resp: 854382

Ion Ratio Lower Upper

168 100

99 47.6 39.6 59.4



Abundance Ion 167.90 (167.60 to 168.60): VN051810.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN051810.D (-1813) (-)

7.67

400000

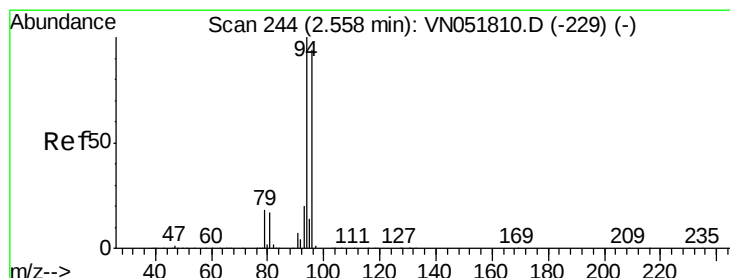
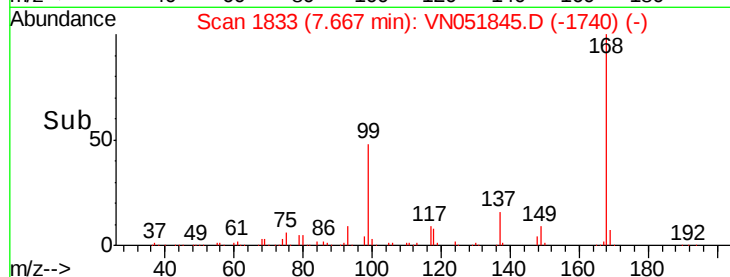
300000

200000

100000

0

Time-->



#5

Bromomethane

Concen: 0.328 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.02 min

Lab File: VN051845.D

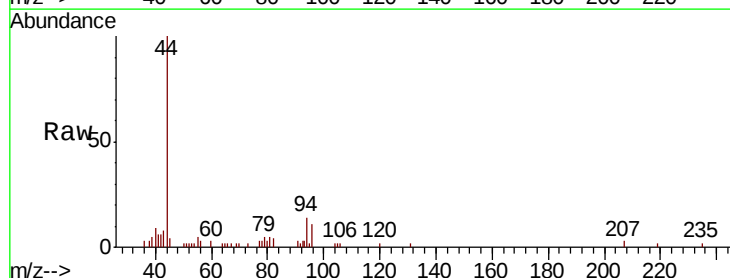
Acq: 12 Oct 2018 21:10

Tgt Ion: 94 Resp: 2550

Ion Ratio Lower Upper

94 100

96 81.9 76.2 114.2



Abundance Ion 93.90 (93.60 to 94.60): VN051810.D (-229) (-)

Ion 95.90 (95.60 to 96.60): VN051810.D (-229) (-)

2.57

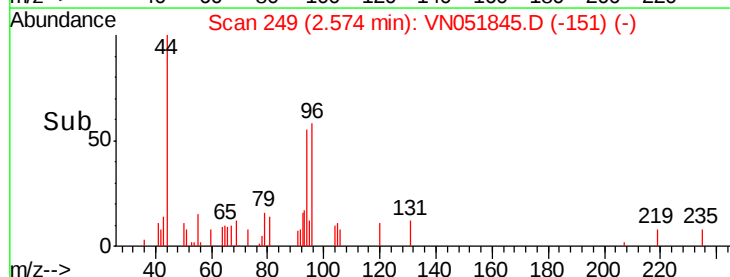
1500

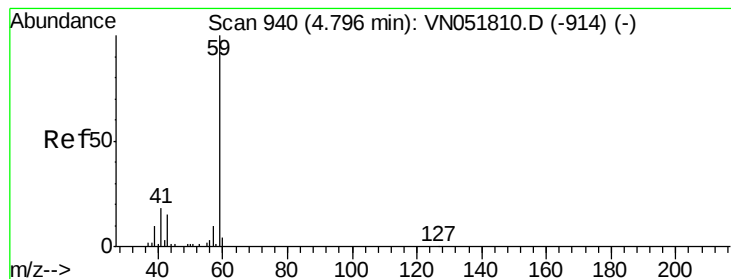
1000

500

0

Time-->



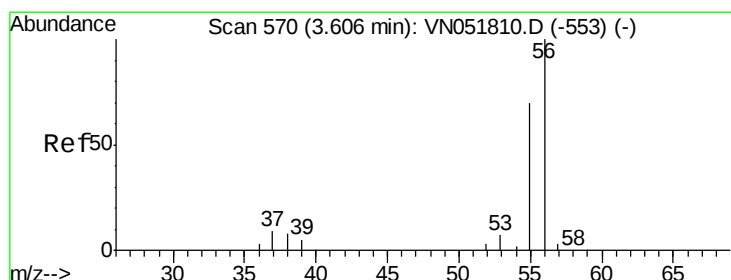
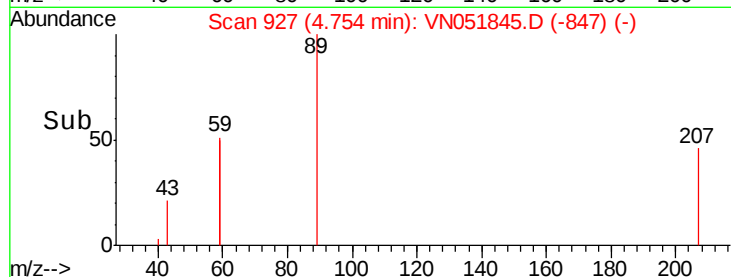
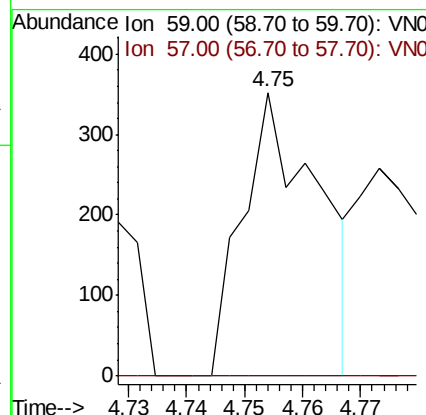
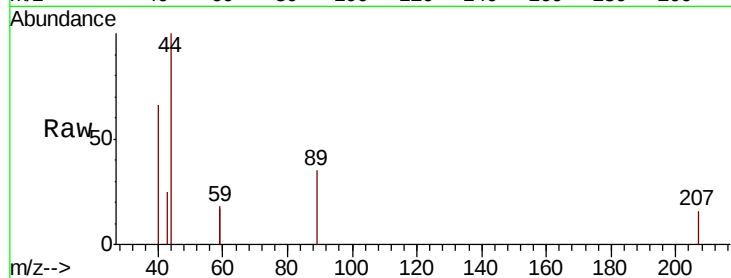


#11

Tert butyl alcohol
 Concen: 0.531 ug/l
 RT: 4.75 min Scan# 927
 Delta R.T. -0.04 min
 Lab File: VN051845.D
 Acq: 12 Oct 2018 21:10

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

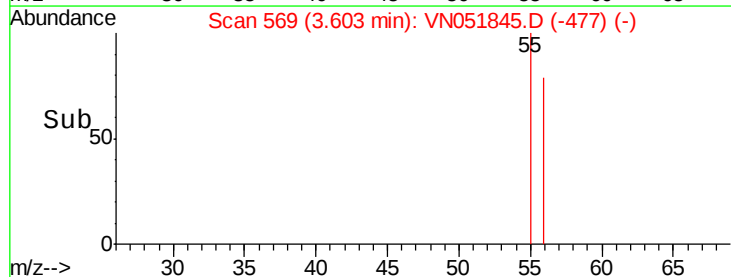
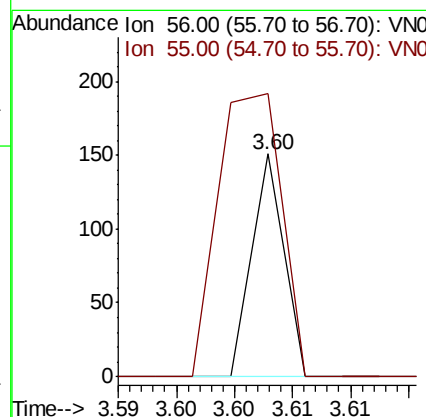
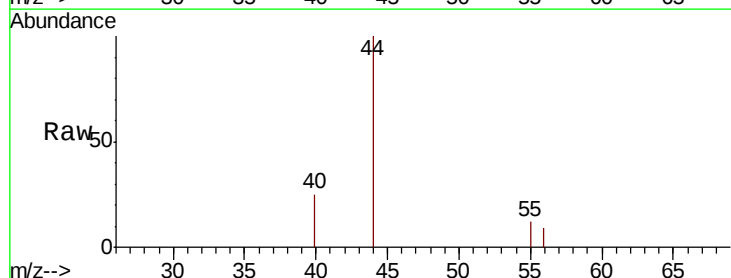
Tot Ion: 59 Resp: 319
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#

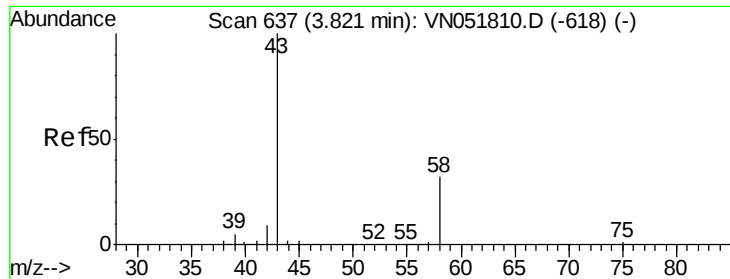


#13

Acrolein
 Concen: 15.984 ug/l
 RT: 3.60 min Scan# 569
 Delta R.T. -0.00 min
 Lab File: VN051845.D
 Acq: 12 Oct 2018 21:10

Tgt Ion: 56 Resp: 29
 Ion Ratio Lower Upper
 56 100
 55 251.7 57.7 86.5#





#16

Acetone

Concen: 0.247 ug/l

RT: 3.81 min Scan# 633

Delta R.T. -0.01 min

Lab File: VN051845.D

Acq: 12 Oct 2018 21:10

Instrument :

MSVOA_N

ClientSampleId :

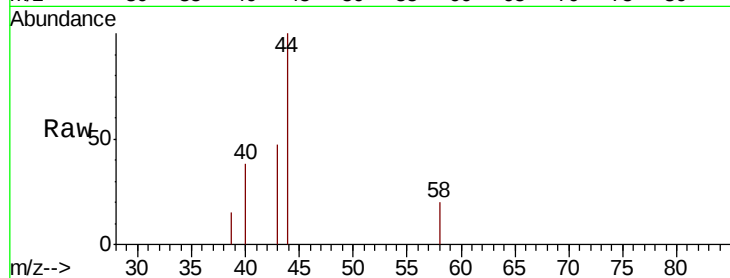
STORAGE-BLANK-WATER-REF-4

Tot Ion: 43 Resp: 435

Ion Ratio Lower Upper

43 100

58 59.5 27.2 40.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.81

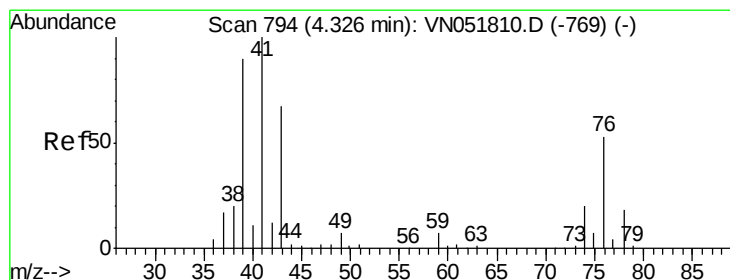
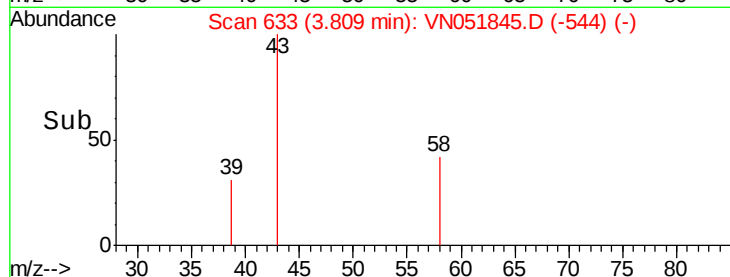
600

400

200

0

Time--> 3.78 3.79 3.80 3.81 3.82



#18

Methyl Acetate

Concen: Below Cal

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN051845.D

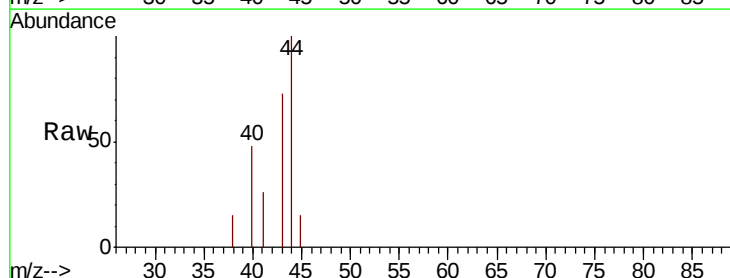
Acq: 12 Oct 2018 21:10

Tgt Ion: 43 Resp: 1143

Ion Ratio Lower Upper

43 100

74 0.0 19.8 29.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

1000

800

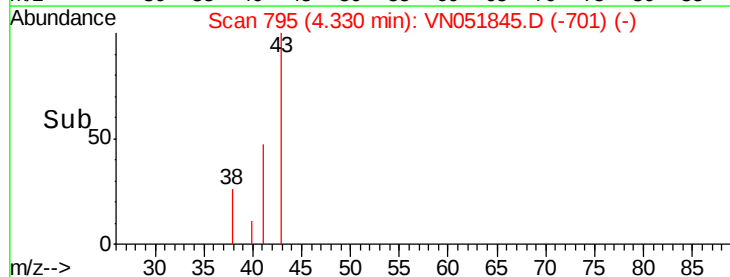
600

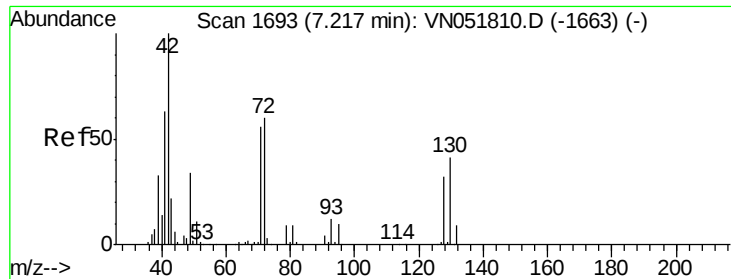
400

200

0

Time--> 4.28 4.30 4.32 4.34

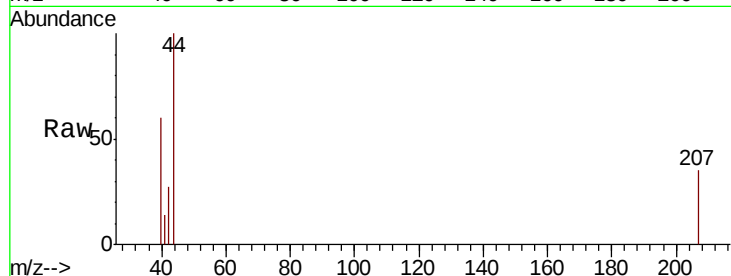




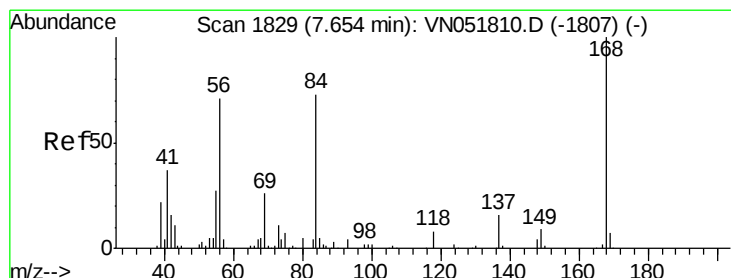
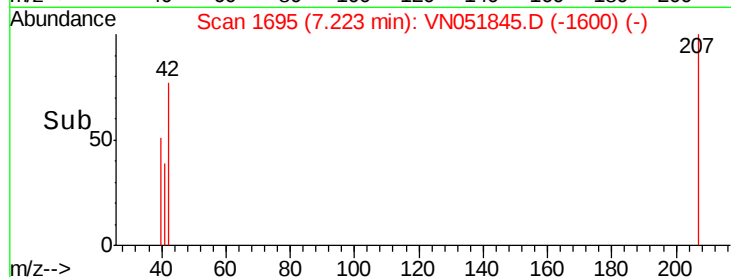
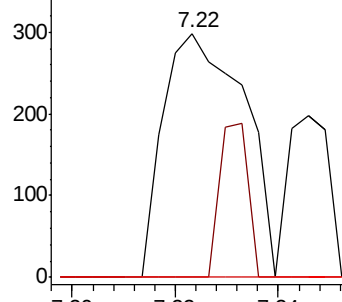
#29
Tetrahydrofuran
Concen: 0.217 ug/l
RT: 7.22 min Scan# 1695
Delta R.T. 0.01 min
Lab File: VN051845.D
Acq: 12 Oct 2018 21:10

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

Tot Ion: 42 Resp: 322
Ion Ratio Lower Upper
42 100
72 22.4 35.5 53.3#
71 0.0 33.7 50.5#

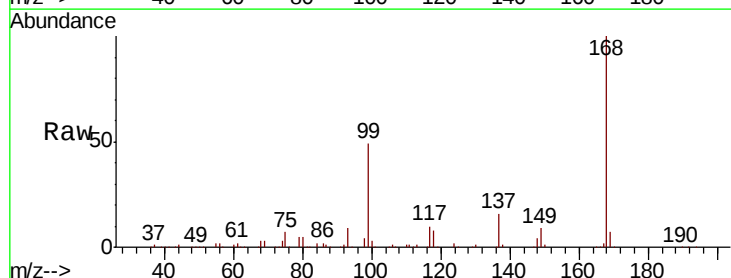


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

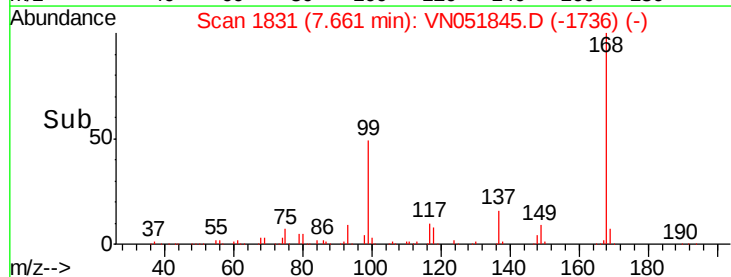
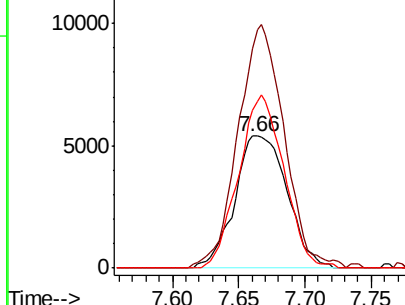


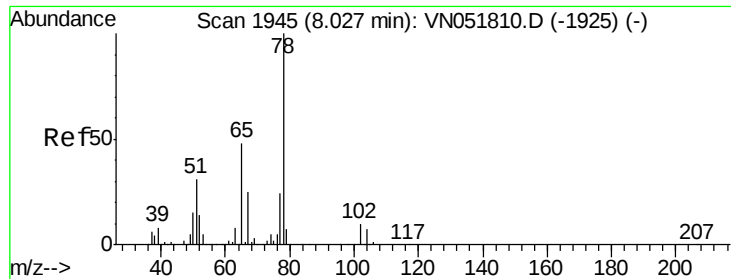
#31
Cyclohexane
Concen: Below Cal
RT: 7.66 min Scan# 1831
Delta R.T. 0.01 min
Lab File: VN051845.D
Acq: 12 Oct 2018 21:10

Tgt Ion: 56 Resp: 14827
Ion Ratio Lower Upper
56 100
69 166.3 26.2 39.4#
84 119.8 68.3 102.5#



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

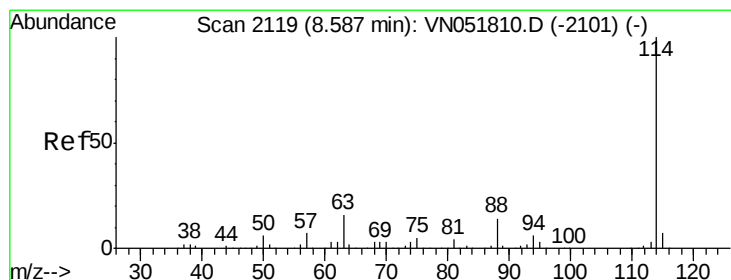
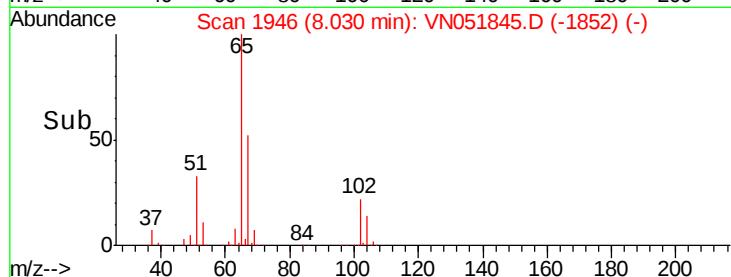
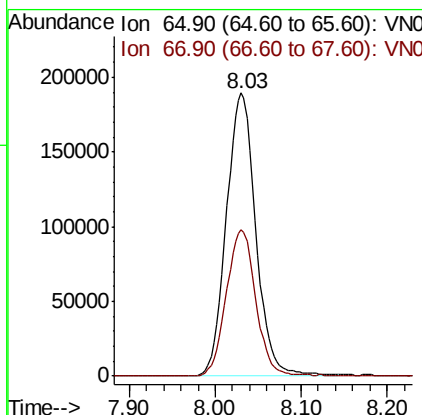
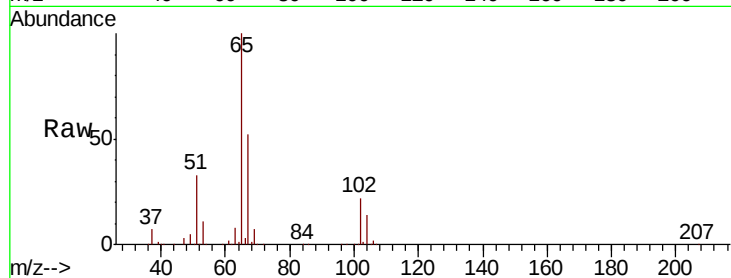




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN051845.D
 Acq: 12 Oct 2018 21:10

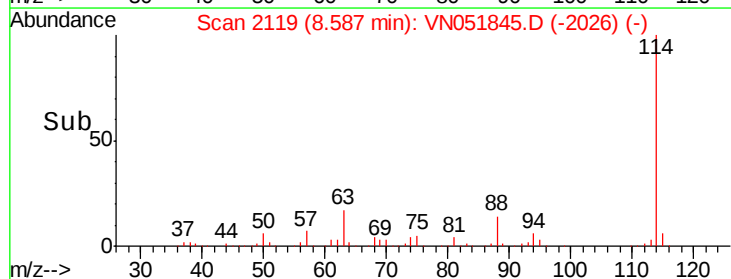
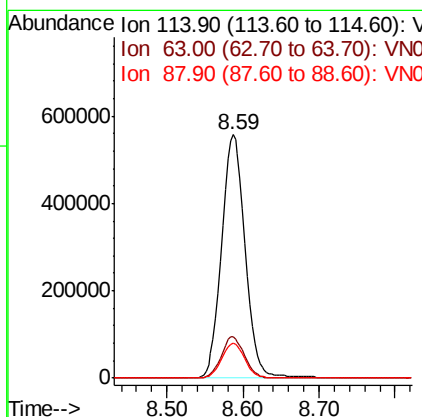
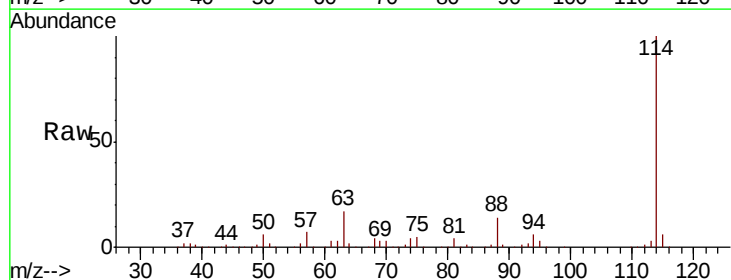
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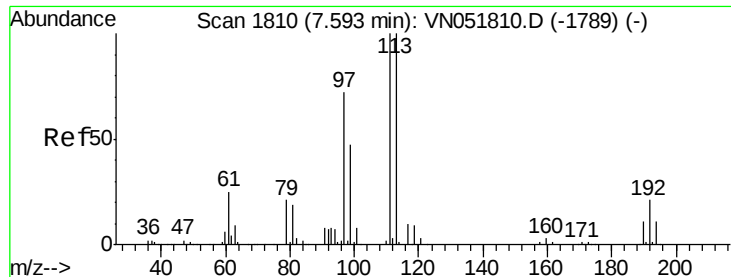
Tot Ion: 65 Resp: 450369
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN051845.D
 Acq: 12 Oct 2018 21:10

Tgt Ion: 114 Resp: 1208409
 Ion Ratio Lower Upper
 114 100
 63 16.9 0.0 38.6
 88 14.3 0.0 30.6

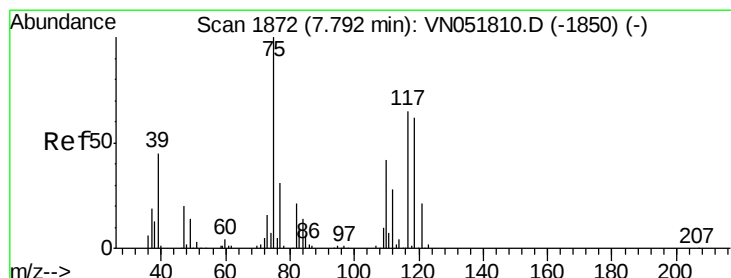
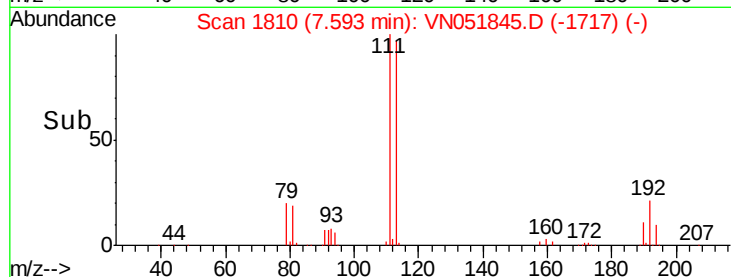
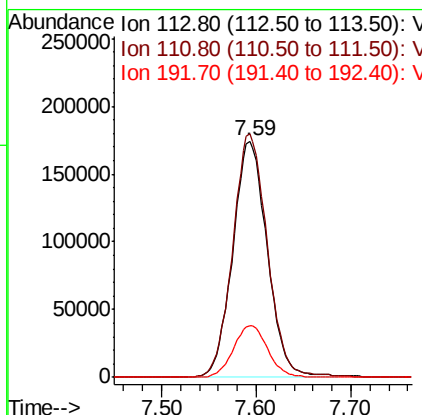
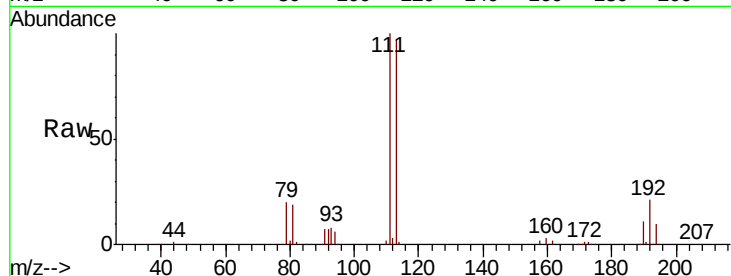




#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN051845.D
Acq: 12 Oct 2018 21:10

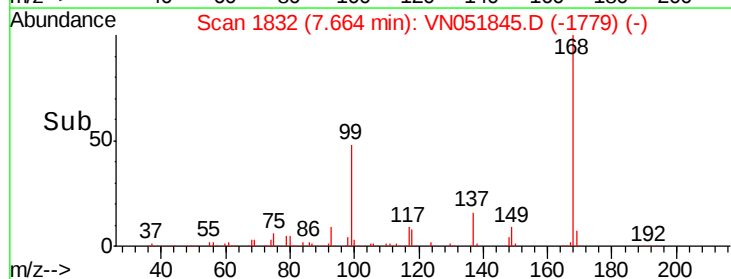
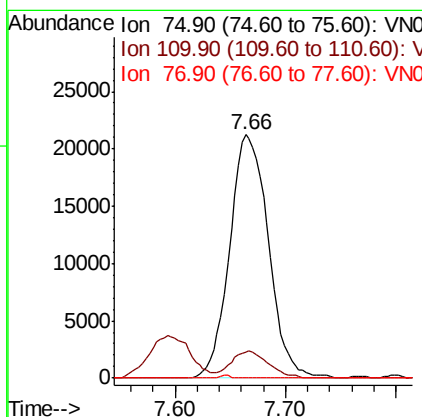
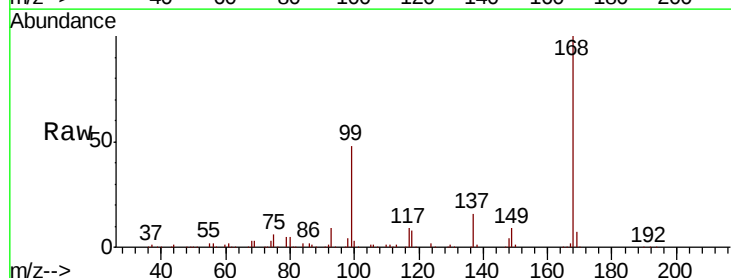
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STORAGE-BLANK-WATER-REF-4

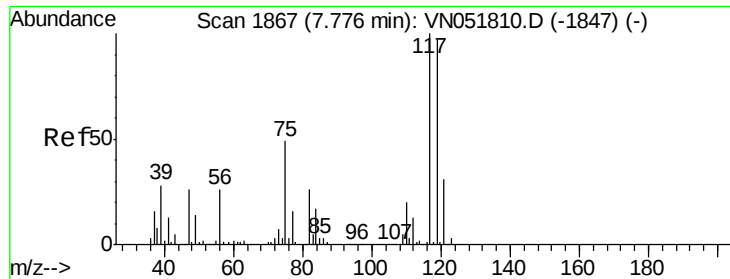
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.7	82.6	123.8
192	21.8	18.0	27.0



#36
1,1-Dichloropropene
Concen: 5.290 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. -0.13 min
Lab File: VN051845.D
Acq: 12 Oct 2018 21:10

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.8	18.1	54.4#
77	0.0	24.8	37.2#





#38

Carbon Tetrachloride

Concen: 6.857 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN051845.D

Acq: 12 Oct 2018 21:10

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

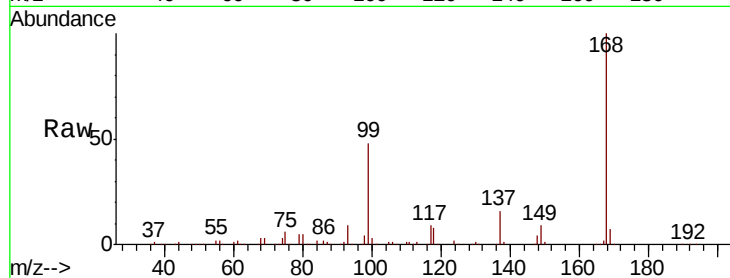
Tot Ion:117 Resp: 77758

Ion Ratio Lower Upper

117 100

119 5.0 76.3 114.5#

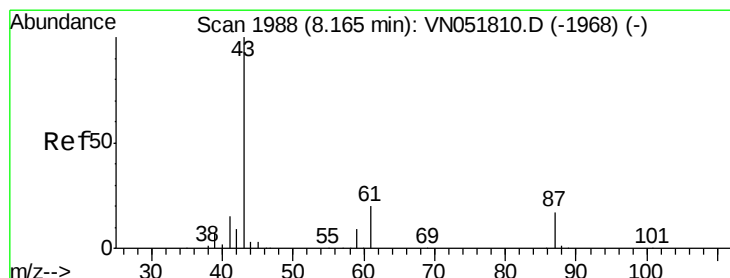
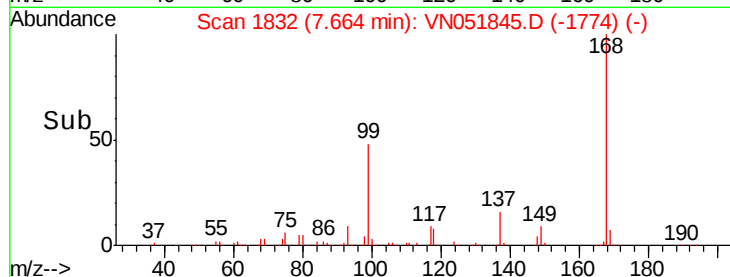
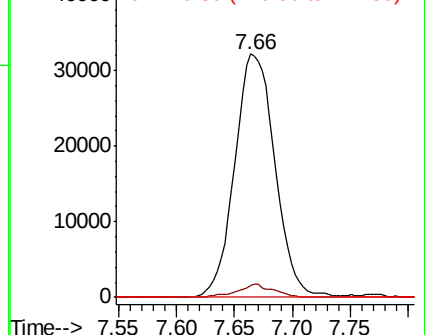
121 0.0 24.6 36.8#



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



#43

Isopropyl Acetate

Concen: Below Cal

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN051845.D

Acq: 12 Oct 2018 21:10

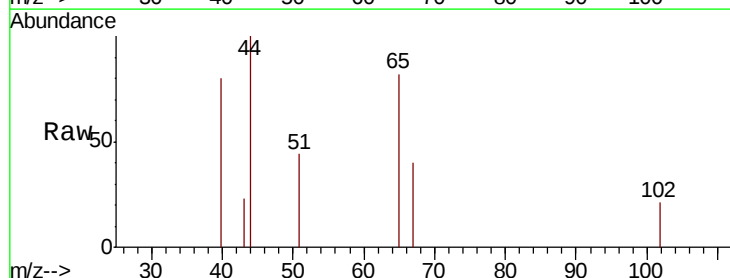
Tgt Ion: 43 Resp: 145

Ion Ratio Lower Upper

43 100

61 0.0 17.5 26.3#

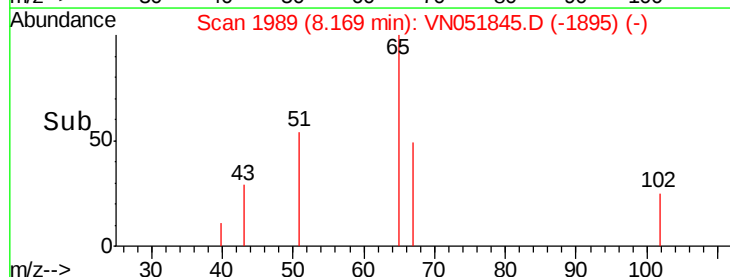
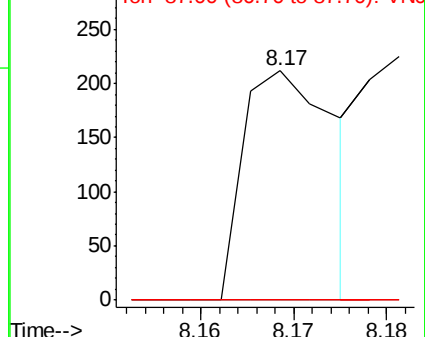
87 0.0 11.3 16.9#

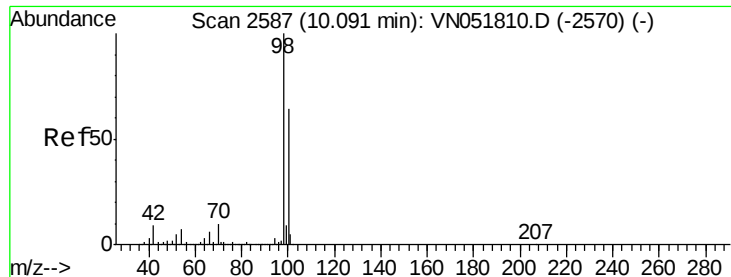


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN051845.D

Acq: 12 Oct 2018 21:10

Instrument :

MSVOA_N

ClientSampleId :

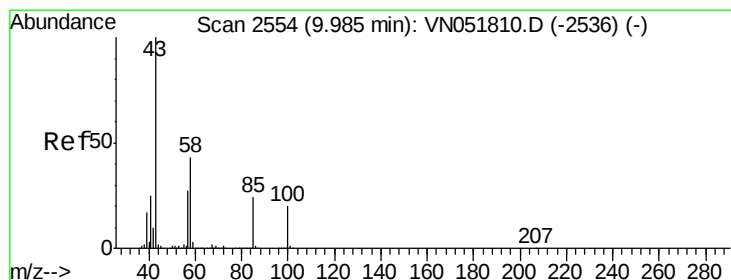
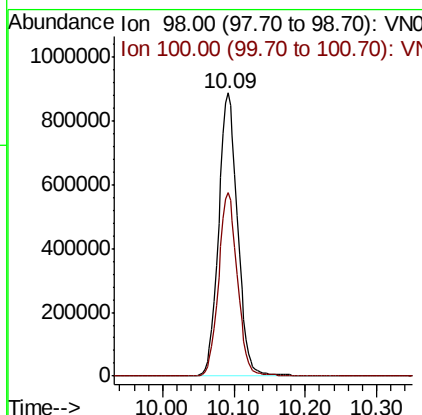
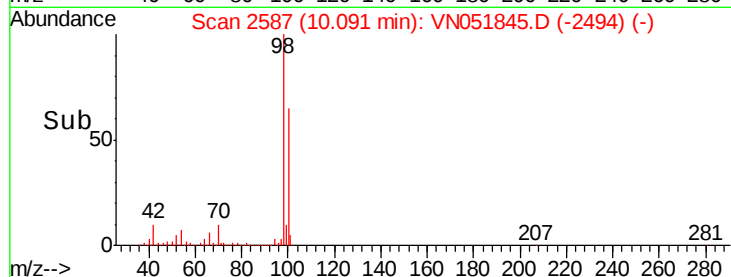
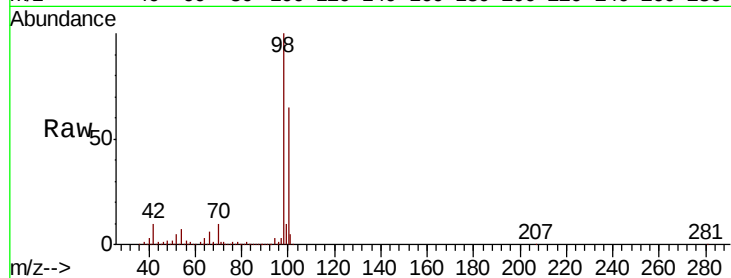
STORAGE-BLANK-WATER-REF-4

Tot Ion: 98 Resp: 1638673

Ion Ratio Lower Upper

98 100

100 64.1 51.5 77.3



#51

4-Methyl-2-Pentanone

Concen: 1.184 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.11 min

Lab File: VN051845.D

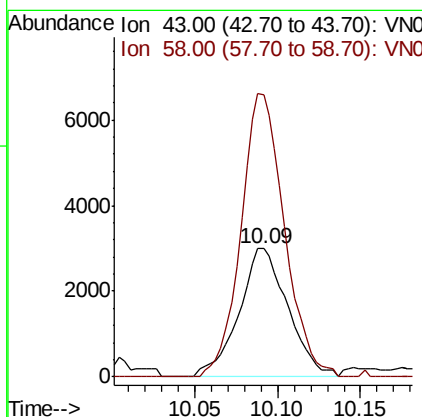
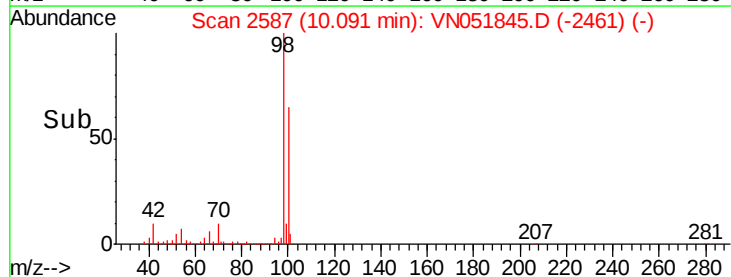
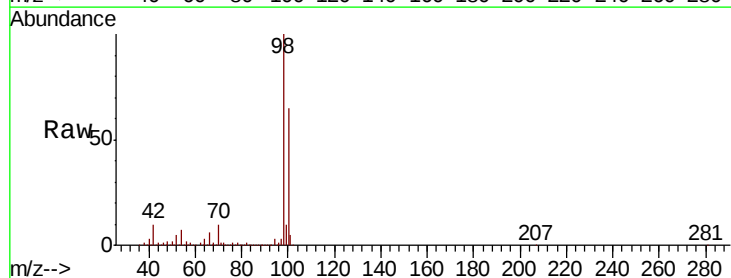
Acq: 12 Oct 2018 21:10

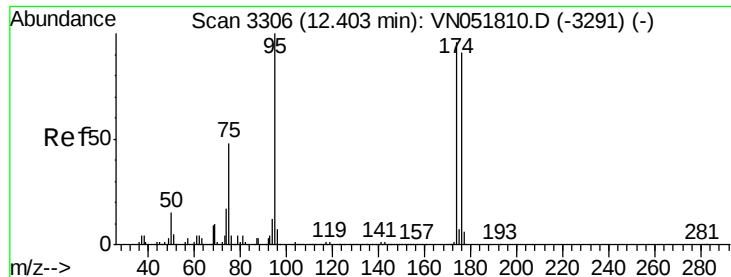
Tgt Ion: 43 Resp: 6173

Ion Ratio Lower Upper

43 100

58 195.3 32.4 48.6#





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN051845.D

Acq: 12 Oct 2018 21:10

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

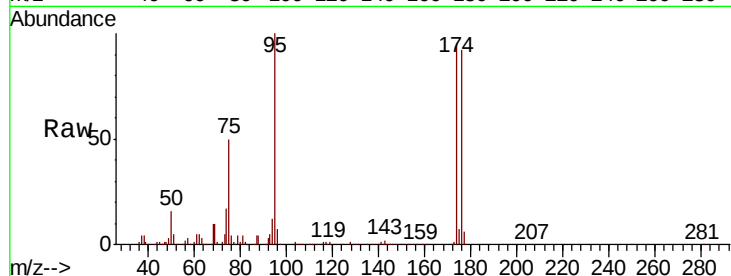
Tot Ion: 95 Resp: 455154

Ion Ratio Lower Upper

95 100

174 95.2 0.0 183.0

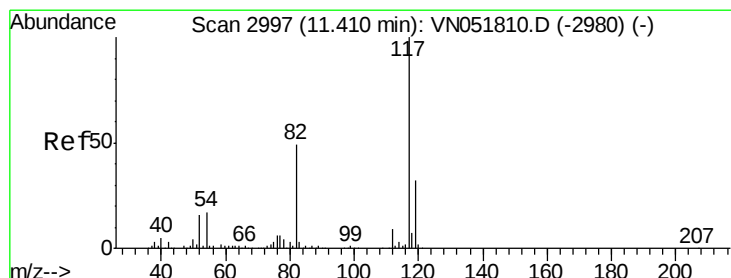
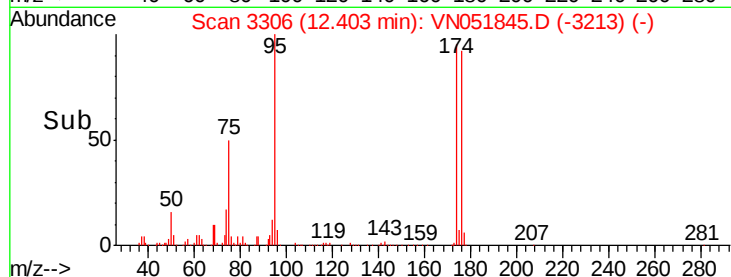
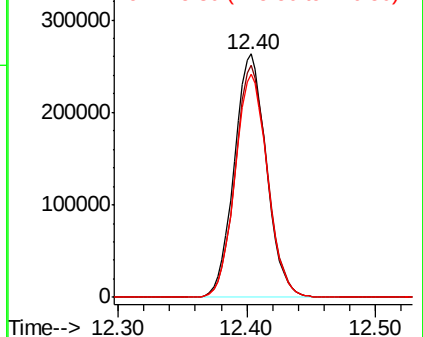
176 92.6 0.0 178.8



Abundance Ion 94.90 (94.60 to 95.60): VN051810.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN051810.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN051810.D (-3291) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN051845.D

Acq: 12 Oct 2018 21:10

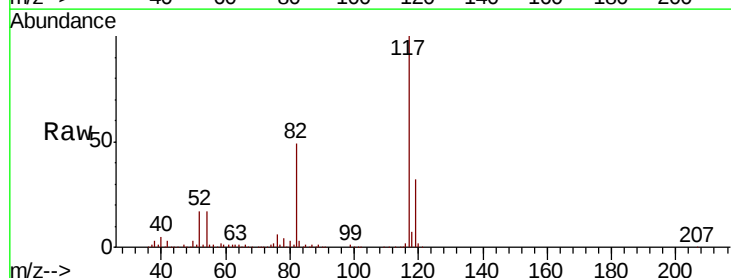
Tgt Ion: 117 Resp: 1034566

Ion Ratio Lower Upper

117 100

82 49.4 42.6 64.0

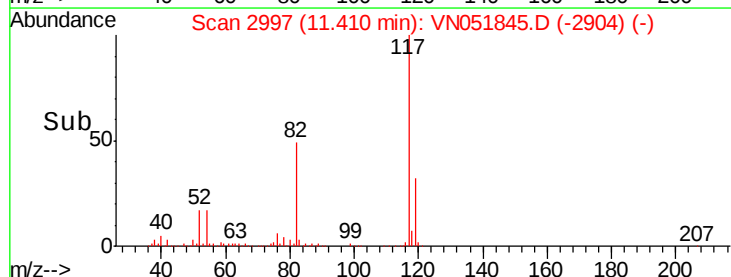
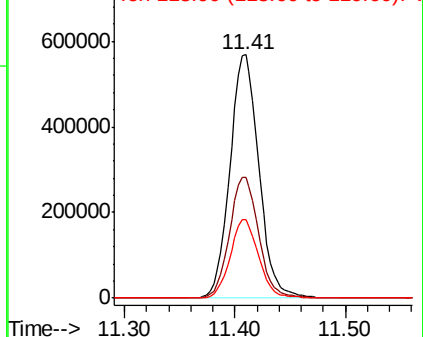
119 32.1 25.8 38.6

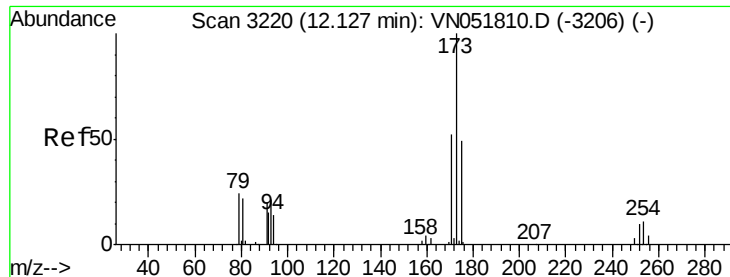


Abundance Ion 116.90 (116.60 to 117.60): VN051810.D (-2980) (-)

Ion 82.00 (81.70 to 82.70): VN051810.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN051810.D (-2980) (-)

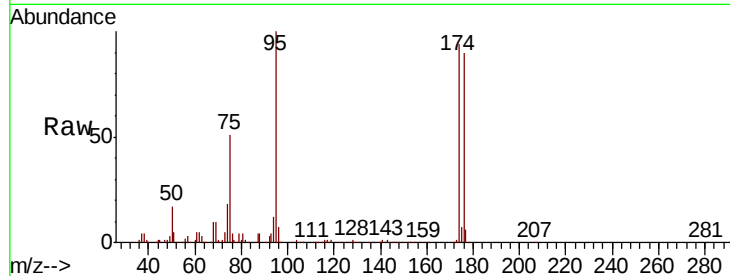




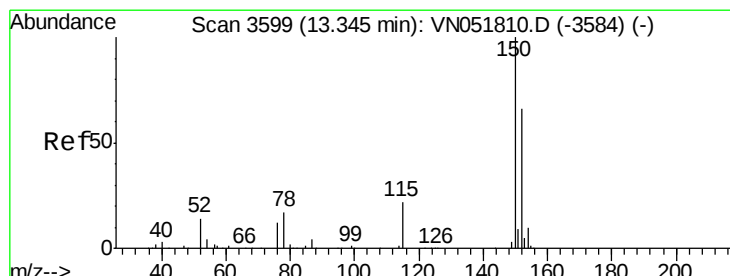
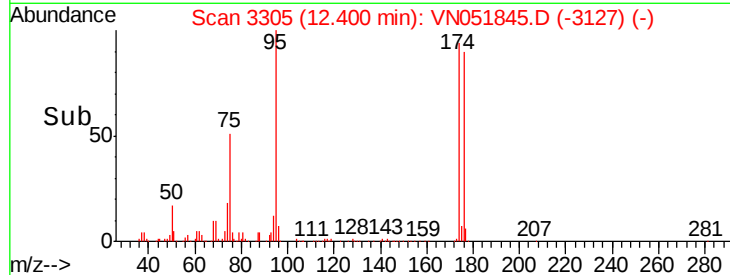
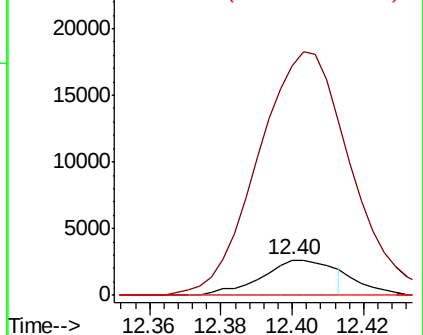
#71
Bromoform
Concen: 4.126 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN051845.D
Acq: 12 Oct 2018 21:10

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

Tot Ion:173 Resp: 3699
Ion Ratio Lower Upper
173 100
175 726.4 24.4 73.4#
254 0.0 0.1 0.1#

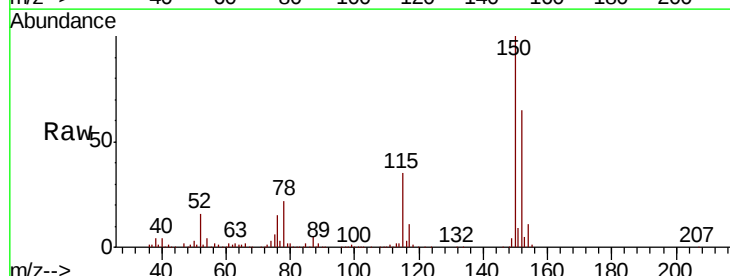


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

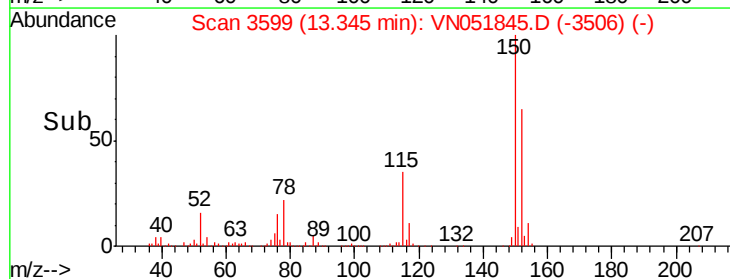
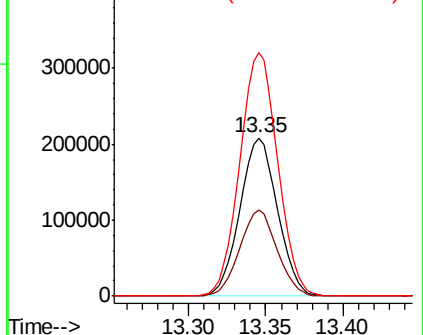


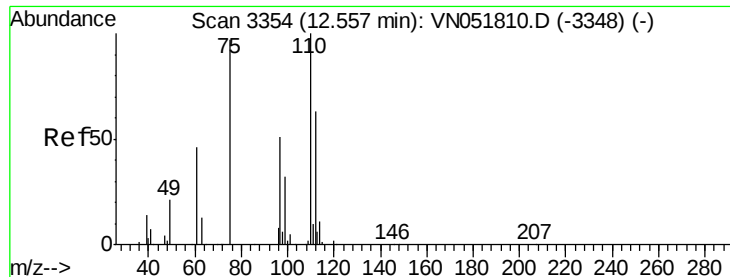
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN051845.D
Acq: 12 Oct 2018 21:10

Tgt Ion:152 Resp: 351834
Ion Ratio Lower Upper
152 100
115 54.2 27.8 83.4
150 155.3 0.0 351.4



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: 52.923 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN051845.D

Acq: 12 Oct 2018 21:10

Instrument :

MSVOA_N

ClientSampleId :

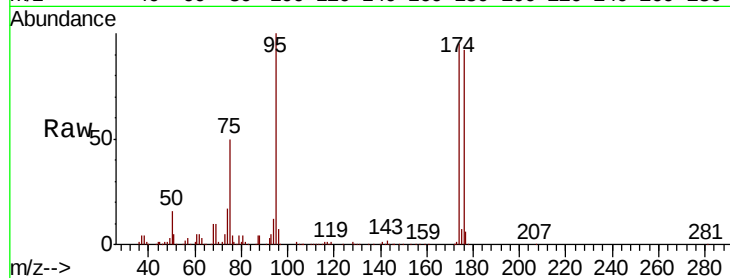
STORAGE-BLANK-WATER-REF-4

Tot Ion: 75 Resp: 229618

Ion Ratio Lower Upper

75 100

77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO

12.40

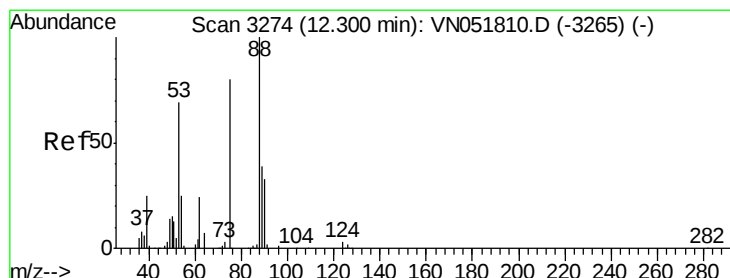
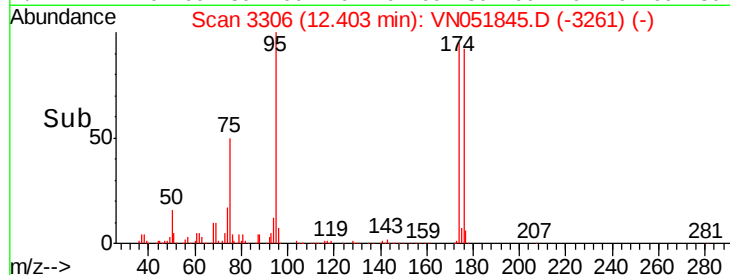
150000

100000

50000

0

Time--> 12.30 12.40 12.50



#81

trans-1,4-Dichloro-2-butene

Concen: 150.288 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN051845.D

Acq: 12 Oct 2018 21:10

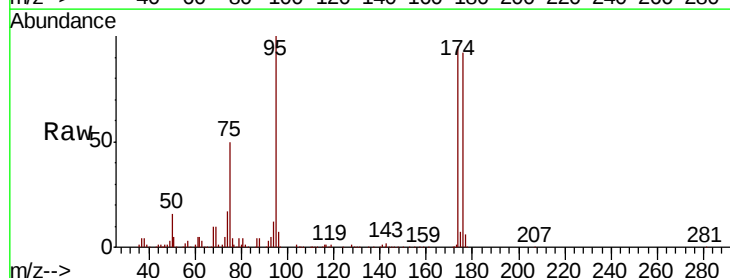
Tgt Ion: 75 Resp: 229618

Ion Ratio Lower Upper

75 100

53 0.0 68.9 103.3#

89 0.0 36.1 54.1#



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

12.40

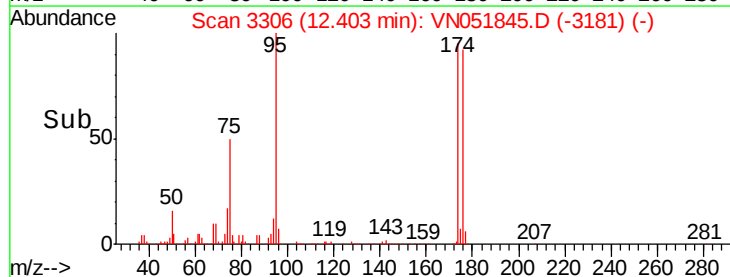
150000

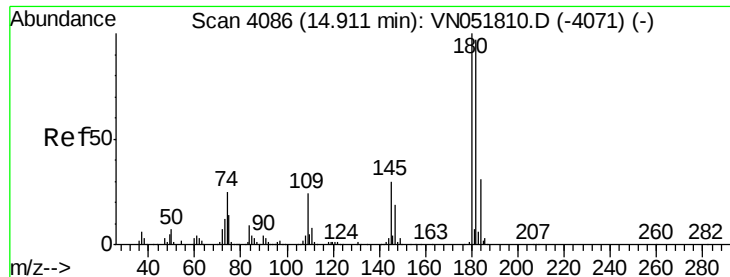
100000

50000

0

Time--> 12.30 12.40 12.50

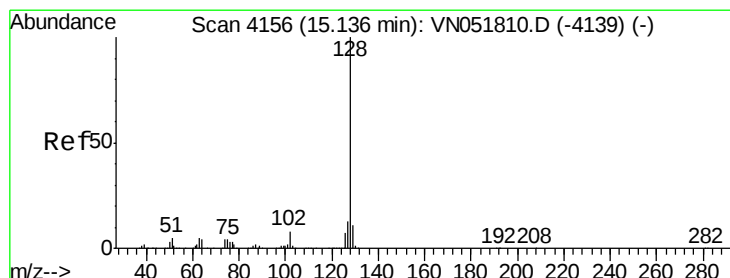
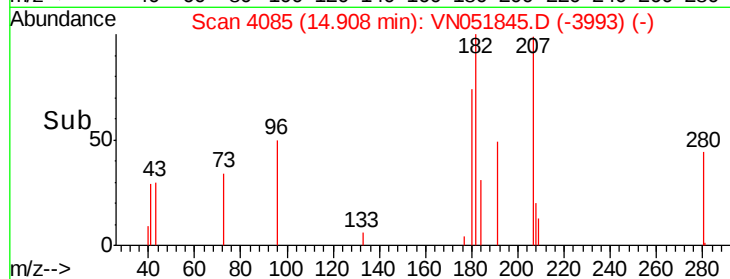
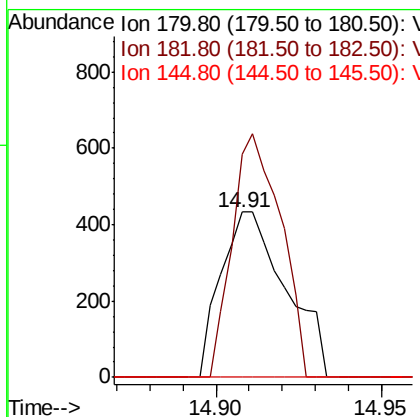
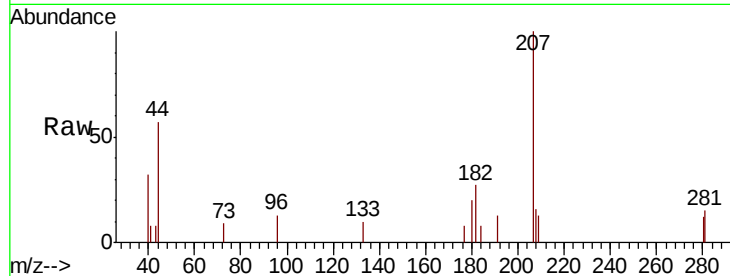




#93
 1,2,4-Trichlorobenzene
 Concen: 3.748 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN051845.D
 Acq: 12 Oct 2018 21:10

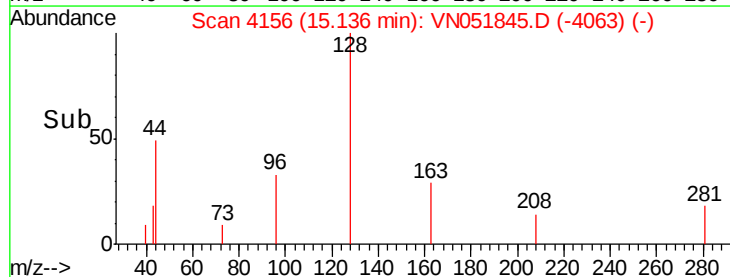
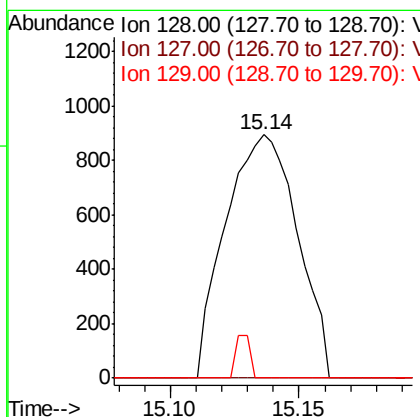
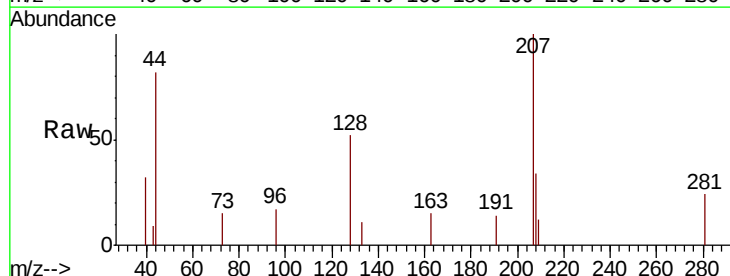
Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-WATER-REF-4

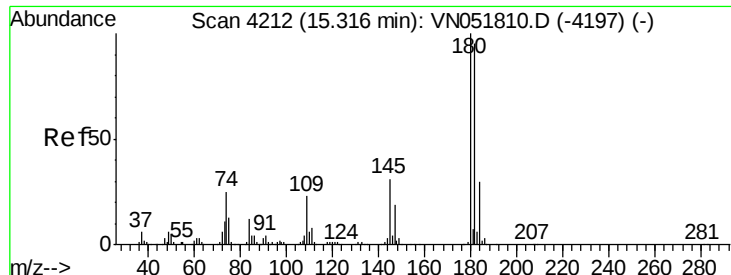
Tot Ion:180 Resp: 593
 Ion Ratio Lower Upper
 180 100
 182 109.4 48.2 144.6
 145 0.0 14.1 42.2#



#95
 Naphthalene
 Concen: 4.519 ug/l
 RT: 15.14 min Scan# 4156
 Delta R.T. 0.00 min
 Lab File: VN051845.D
 Acq: 12 Oct 2018 21:10

Tgt Ion:128 Resp: 1742
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.5 15.7#
 129 3.5 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.923 ug/l
 RT: 15.31 min Scan# 4211
 Delta R.T. -0.00 min
 Lab File: VN051845.D
 Acq: 12 Oct 2018 21:10

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

Tot Ion	Ratio	Lower	Upper
180	100		
182	126.0	48.0	144.2
145	0.0	15.2	45.6

