

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101218\
 Data File : VN051844.D
 Acq On : 12 Oct 2018 20:46
 Operator : MD\SY
 Sample : J5459-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 25 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-WATER-REF-5

Quant Time: Oct 13 02:08:17 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	806566	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1161440	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	999036	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	335350	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	433870	56.28	ug/l	0.00
Spiked Amount			Recovery	=	112.56%	
35) Dibromofluoromethane	7.59	113	439085	60.80	ug/l	0.00
Spiked Amount			Recovery	=	121.60%	
50) Toluene-d8	10.09	98	1582761	58.81	ug/l	0.00
Spiked Amount			Recovery	=	117.62%	
62) 4-Bromofluorobenzene	12.40	95	443653	47.76	ug/l	0.00
Spiked Amount			Recovery	=	95.52%	

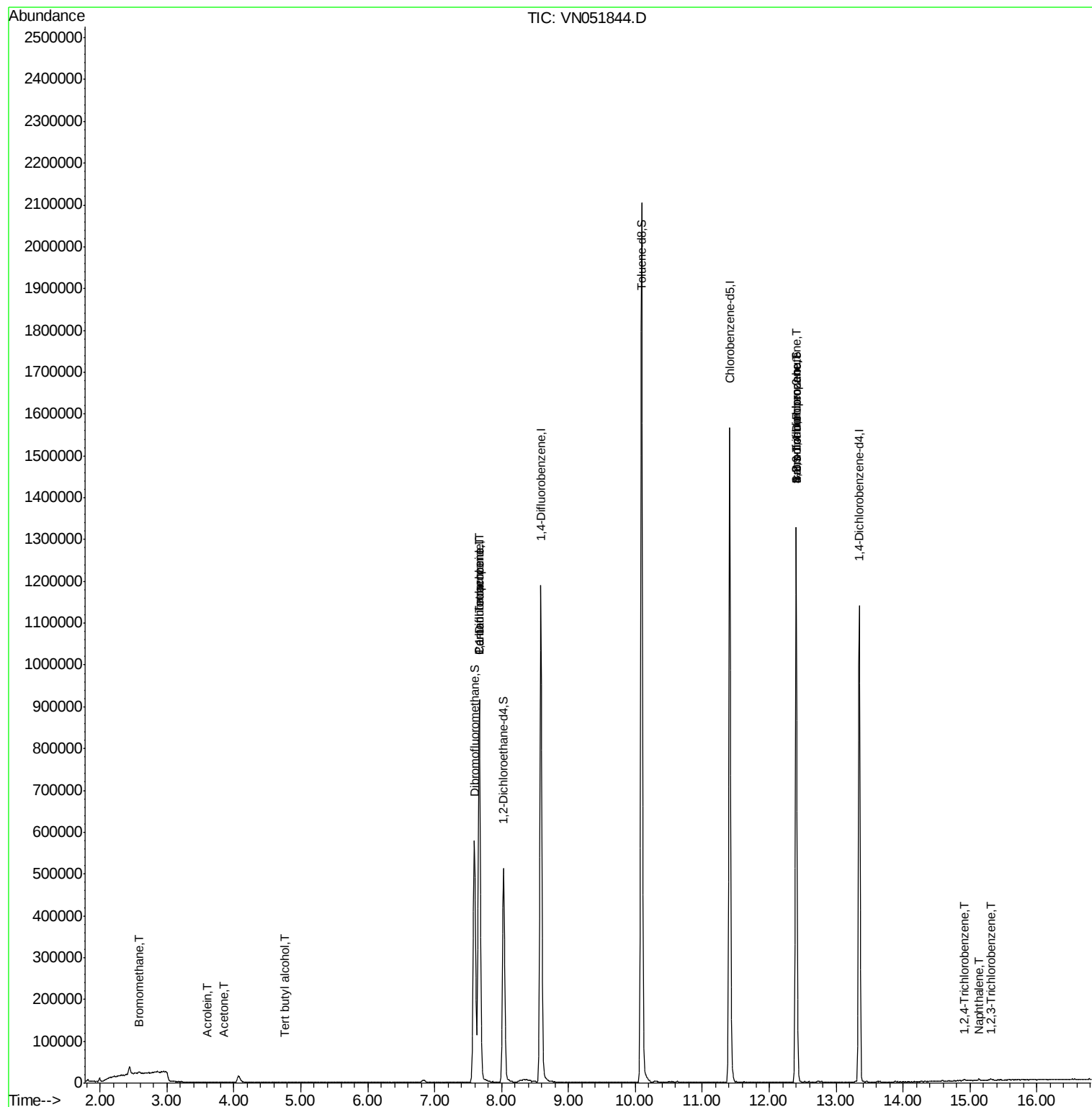
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.57	94	3188	0.434	ug/l #	71
11) Tert butyl alcohol	4.76	59	289	0.510	ug/l #	72
13) Acrolein	3.60	56	29	15.987	ug/l #	54
16) Acetone	3.83	43	1150	0.692	ug/l #	41
18) Methyl Acetate	4.34	43	1621	Below Cal	#	62
31) Cyclohexane	7.67	56	14091	Below Cal	#	16
36) 1,1-Dichloropropene	7.67	75	50422	5.363	ug/l #	49
38) Carbon Tetrachloride	7.67	117	73714	6.763	ug/l #	16
43) Isopropyl Acetate	8.18	43	99	Below Cal	#	58
71) Bromoform	12.40	173	3754	4.154	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	222800	53.883	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	222800	152.993	ug/l #	15
93) 1,2,4-Trichlorobenzene	14.91	180	1400	3.885	ug/l	89
95) Naphthalene	15.13	128	3785	4.675	ug/l #	91
96) 1,2,3-Trichlorobenzene	15.31	180	1360	3.092	ug/l #	89

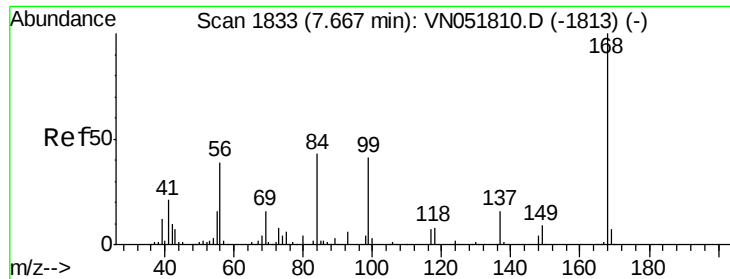
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Oct 12 09:51:20 2018
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN051844.D

Acq: 12 Oct 2018 20:46

Instrument :

MSVOA_N

ClientSampleId :

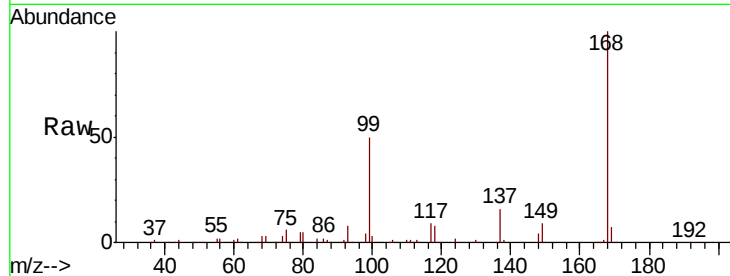
STORAGE-BLANK-WATER-REF-5

Tot Ion:168 Resp: 806566

Ion Ratio Lower Upper

168 100

99 49.7 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

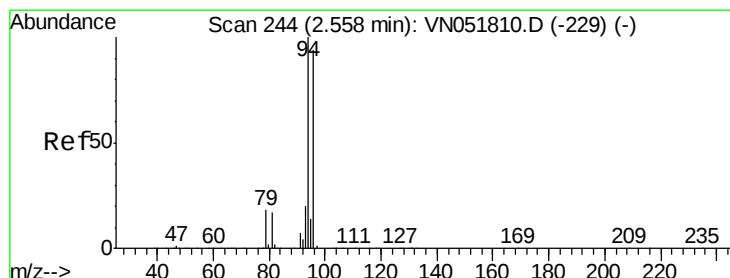
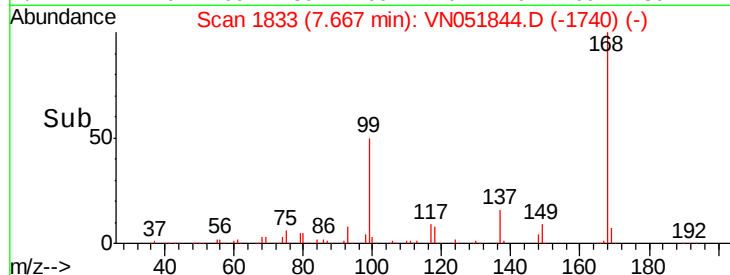
300000

200000

100000

0

Time-->



#5

Bromomethane

Concen: 0.434 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.01 min

Lab File: VN051844.D

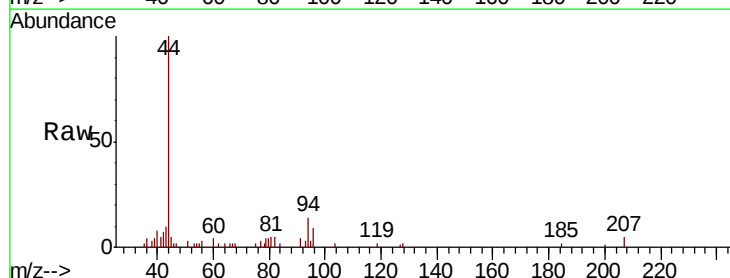
Acq: 12 Oct 2018 20:46

Tgt Ion: 94 Resp: 3188

Ion Ratio Lower Upper

94 100

96 66.7 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

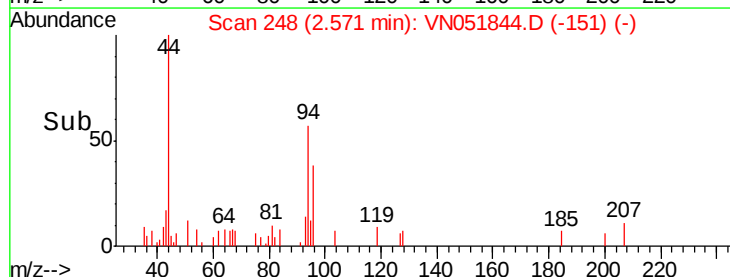
1500

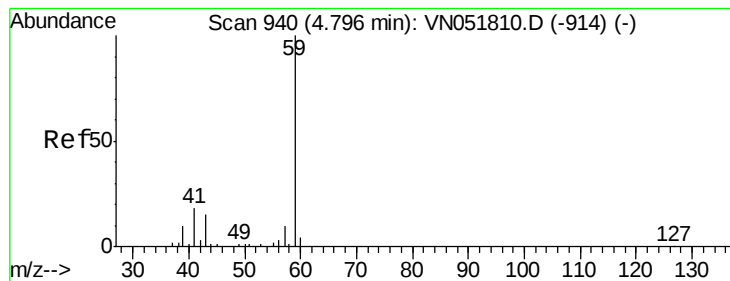
1000

500

0

Time-->



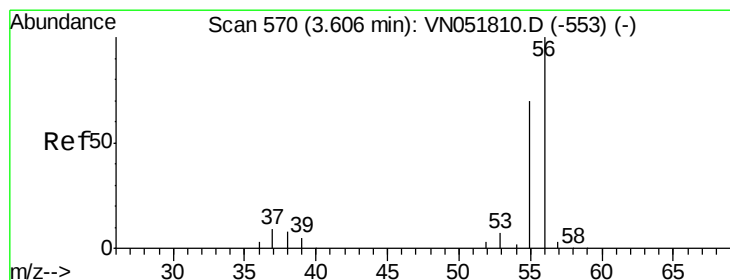
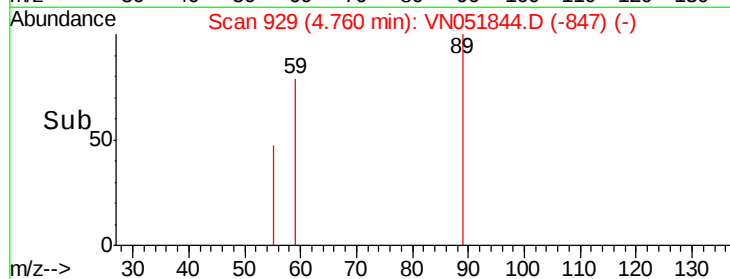
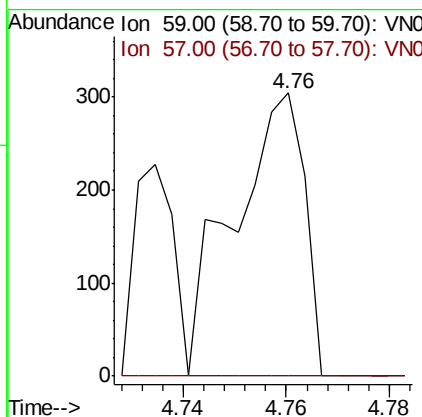
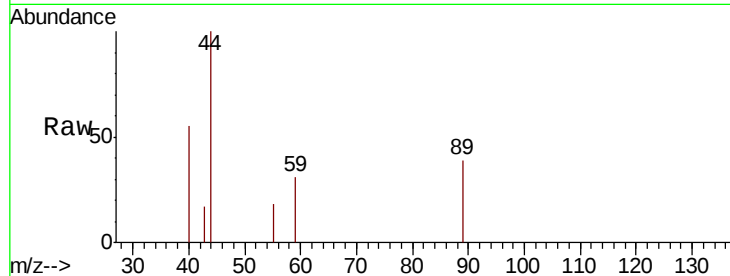


#11

Tert butyl alcohol
 Concen: 0.510 ug/l
 RT: 4.76 min Scan# 929
 Delta R.T. -0.04 min
 Lab File: VN051844.D
 Acq: 12 Oct 2018 20:46

Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-WATER-REF-5

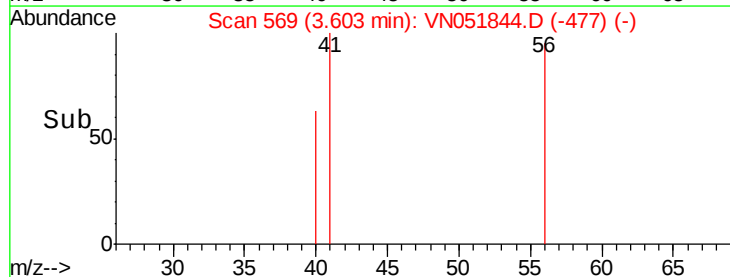
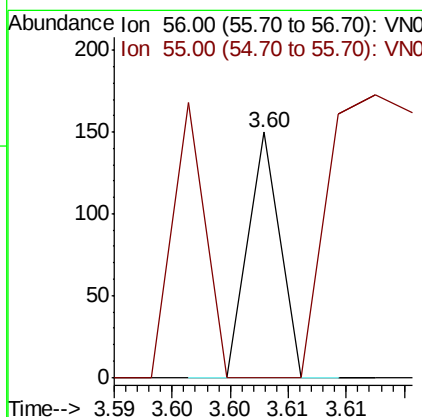
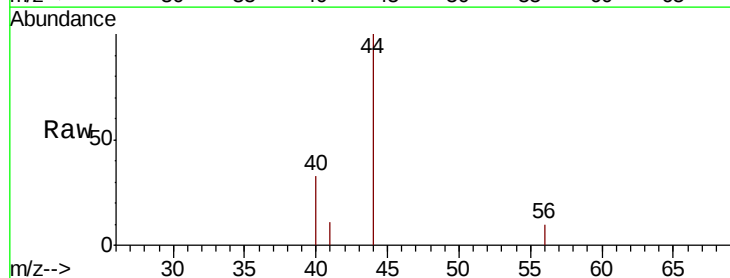
Tot Ion: 59 Resp: 289
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#

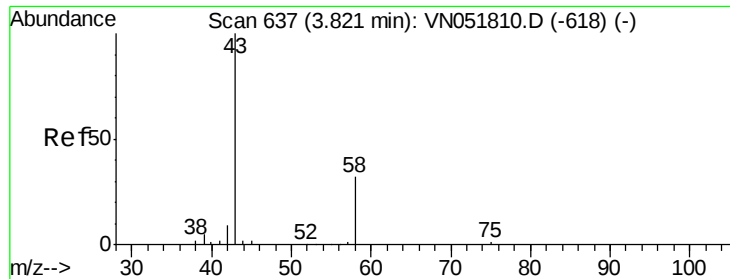


#13

Acrolein
 Concen: 15.987 ug/l
 RT: 3.60 min Scan# 569
 Delta R.T. -0.00 min
 Lab File: VN051844.D
 Acq: 12 Oct 2018 20:46

Tgt Ion: 56 Resp: 29
 Ion Ratio Lower Upper
 56 100
 55 110.3 57.7 86.5#





#16

Acetone

Concen: 0.692 ug/l

RT: 3.83 min Scan# 641

Delta R.T. 0.01 min

Lab File: VN051844.D

Acq: 12 Oct 2018 20:46

Instrument :

MSVOA_N

ClientSampleId :

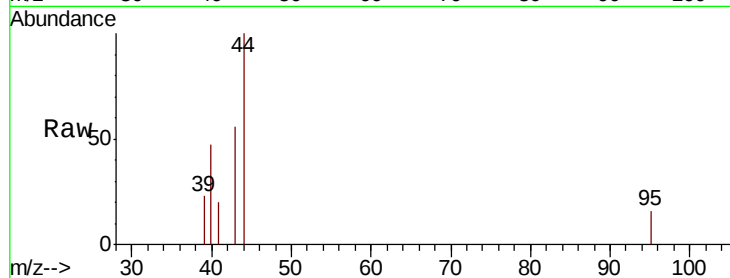
STORAGE-BLANK-WATER-REF-5

Tot Ion: 43 Resp: 1150

Ion Ratio Lower Upper

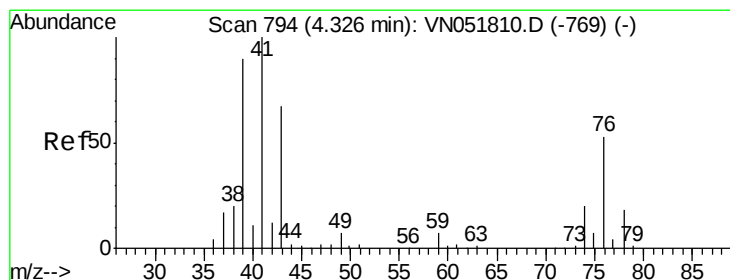
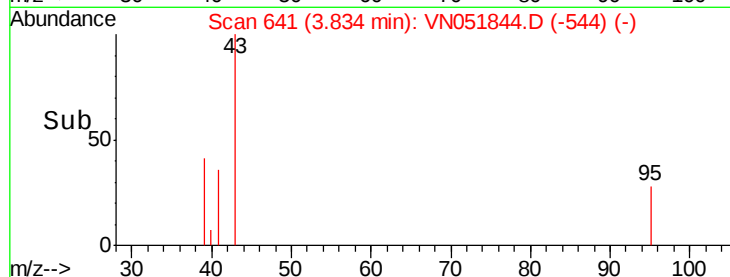
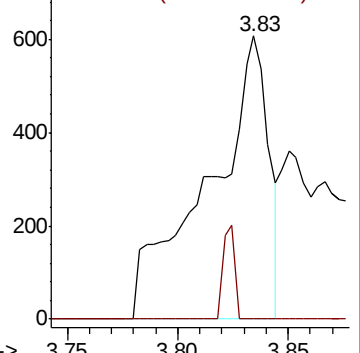
43 100

58 0.0 27.2 40.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#18

Methyl Acetate

Concen: Below Cal

RT: 4.34 min Scan# 799

Delta R.T. 0.02 min

Lab File: VN051844.D

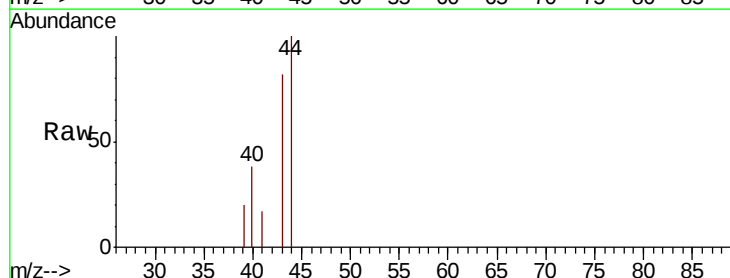
Acq: 12 Oct 2018 20:46

Tgt Ion: 43 Resp: 1621

Ion Ratio Lower Upper

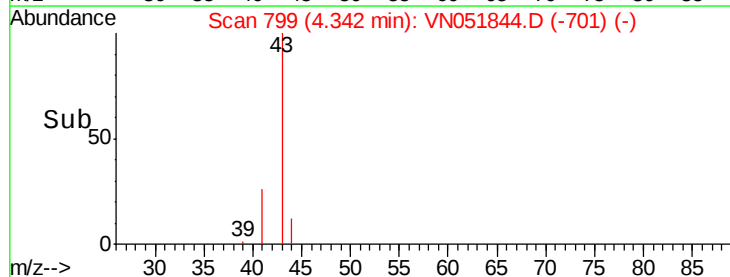
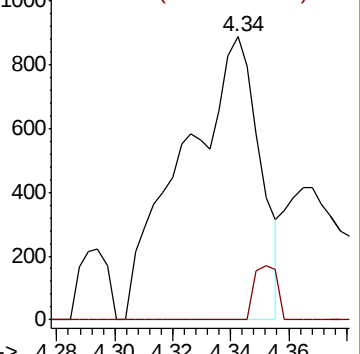
43 100

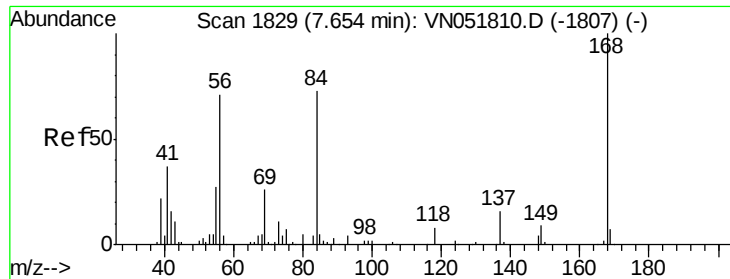
74 5.7 19.8 29.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

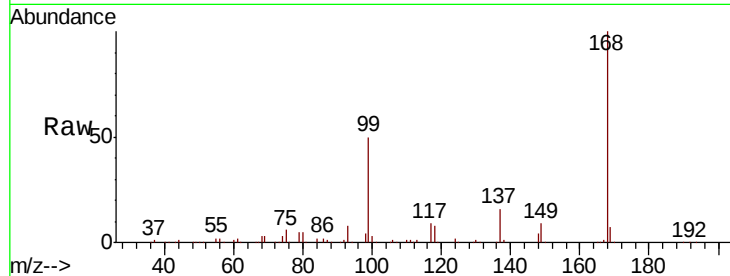




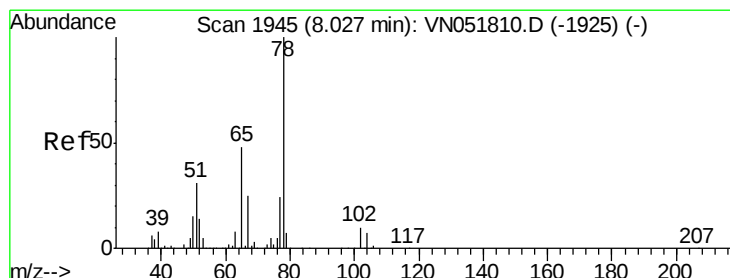
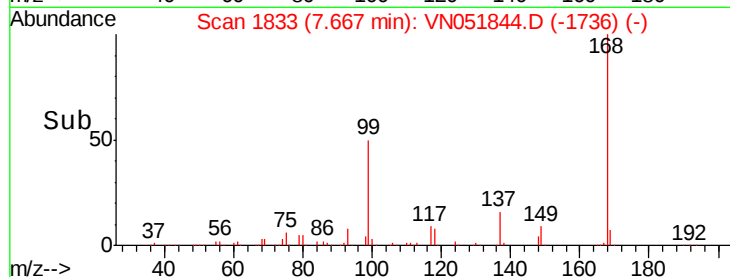
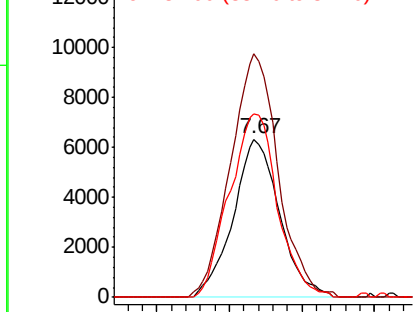
#31
Cyclohexane
Concen: Below Cal
RT: 7.67 min Scan# 1833
Delta R.T. 0.01 min
Lab File: VN051844.D
Acq: 12 Oct 2018 20:46

Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

Tot Ion: 56 Resp: 14091
Ion Ratio Lower Upper
56 100
69 154.2 26.2 39.4#
84 116.4 68.3 102.5#

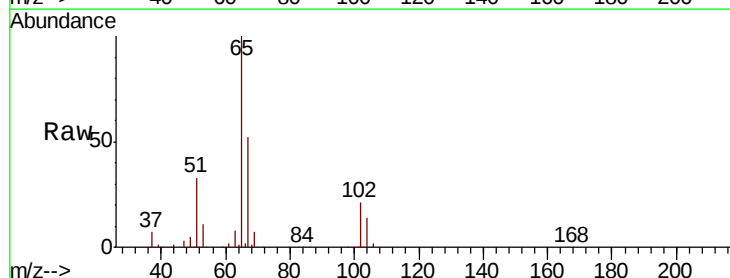


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

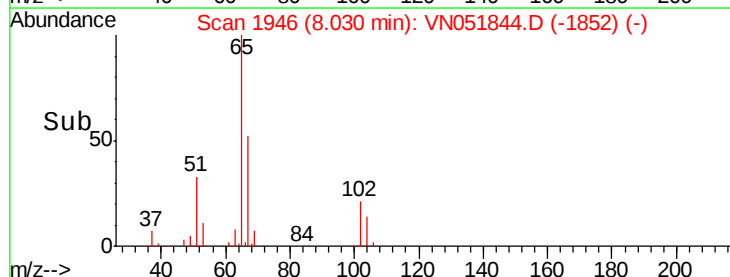
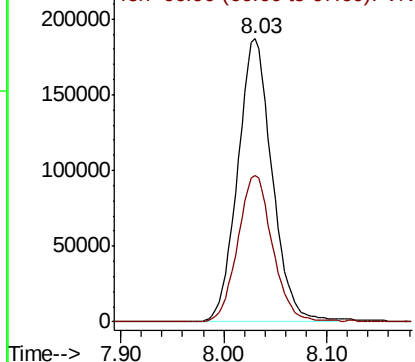


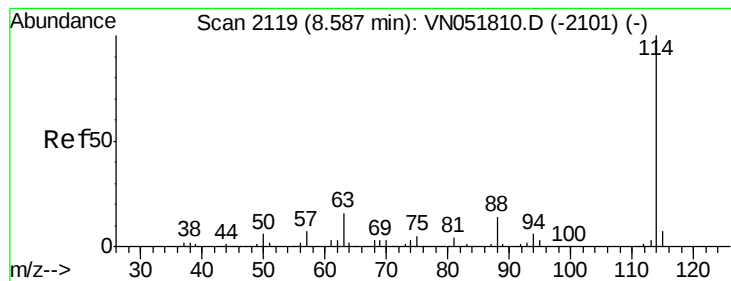
#33
1,2-Dichloroethane-d4
Concen: Below ug/l
RT: 8.03 min Scan# 1946
Delta R.T. 0.00 min
Lab File: VN051844.D
Acq: 12 Oct 2018 20:46

Tgt Ion: 65 Resp: 433870
Ion Ratio Lower Upper
65 100
67 52.1 0.0 110.4



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN051844.D

Acq: 12 Oct 2018 20:46

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

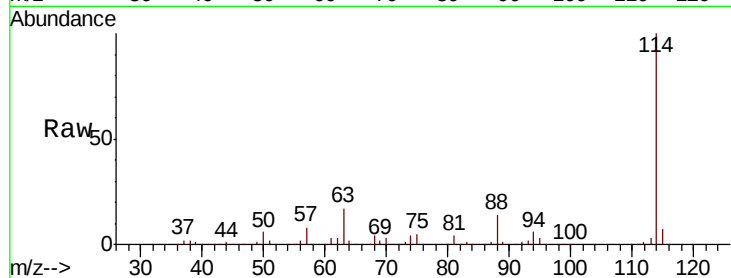
Tot Ion:114 Resp: 1161440

Ion Ratio Lower Upper

114 100

63 16.6 0.0 38.6

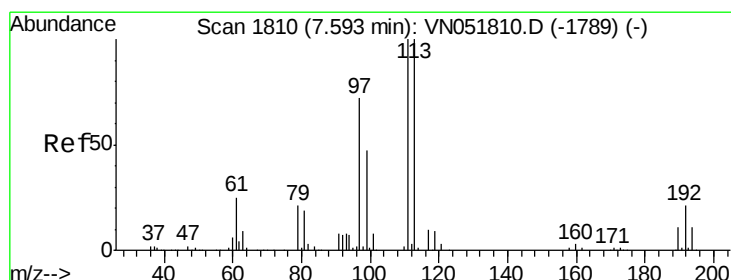
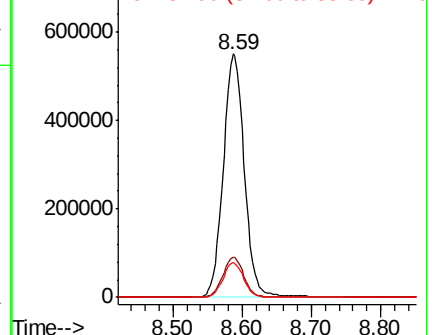
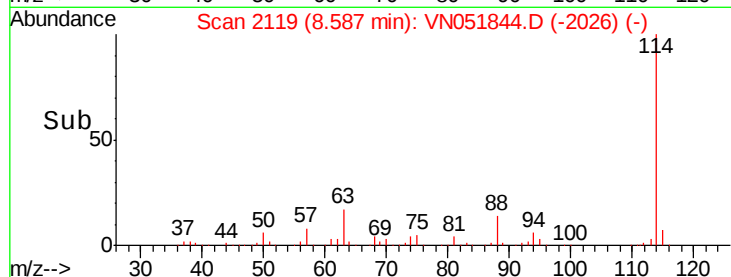
88 14.3 0.0 30.6



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: 50.000 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN051844.D

Acq: 12 Oct 2018 20:46

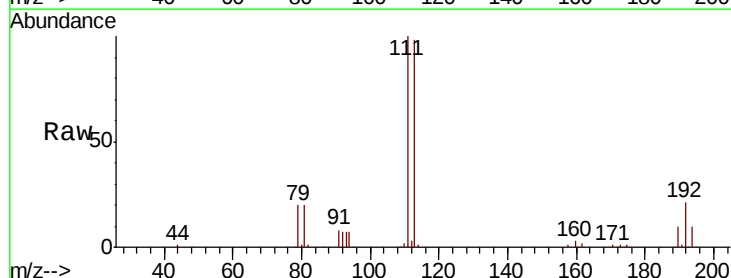
Tgt Ion:113 Resp: 439085

Ion Ratio Lower Upper

113 100

111 101.5 82.6 123.8

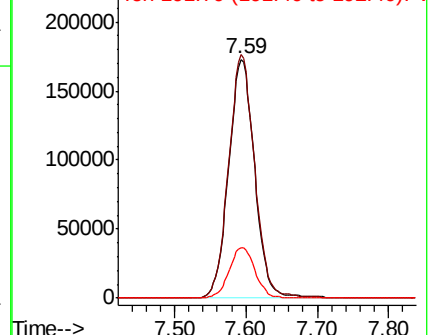
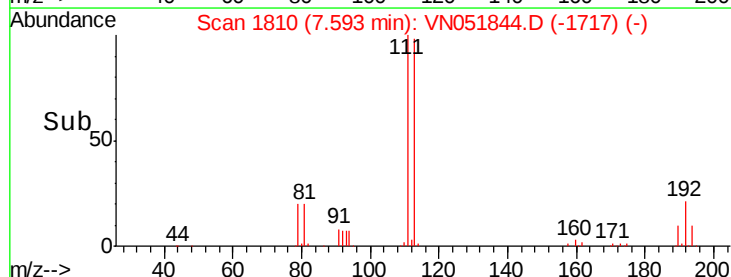
192 21.1 18.0 27.0

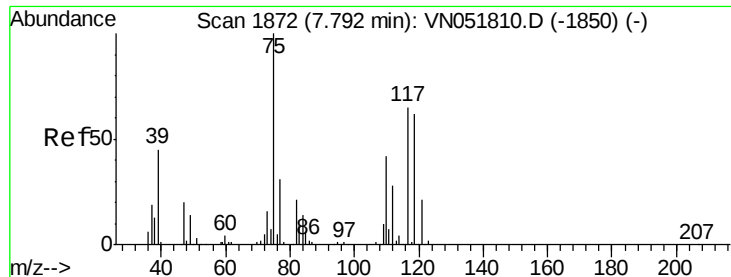


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

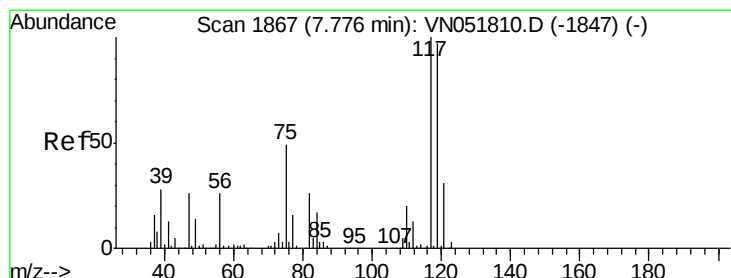
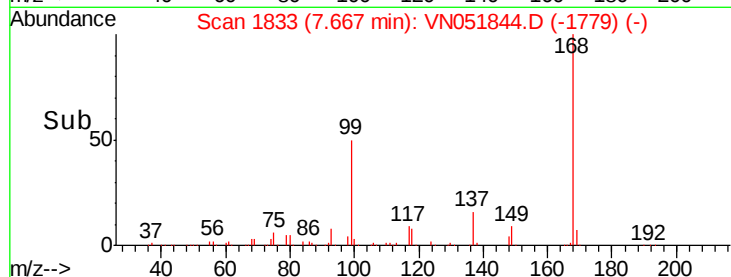
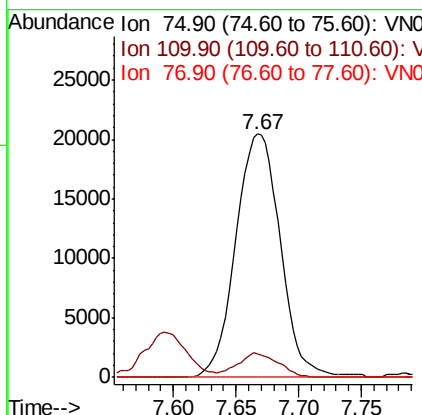
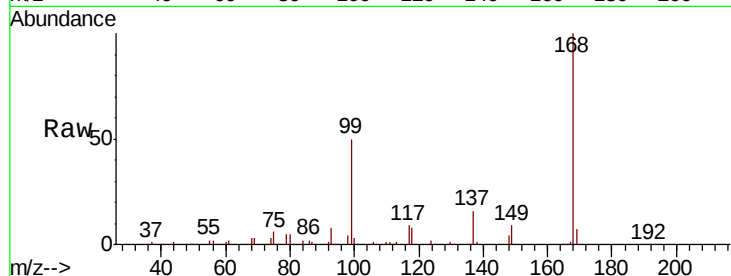




#36
 1,1-Dichloropropene
 Concen: 5.363 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN051844.D
 Acq: 12 Oct 2018 20:46

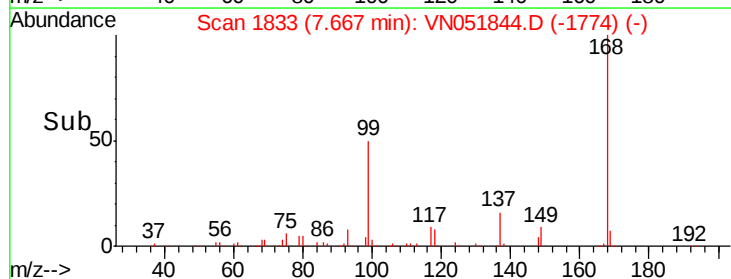
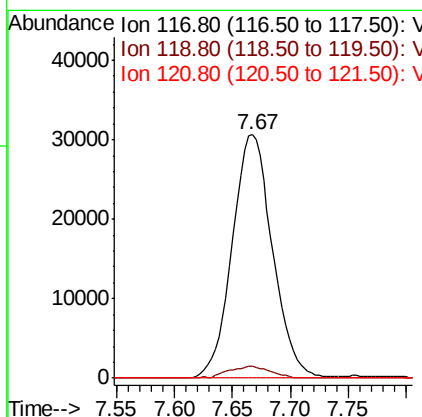
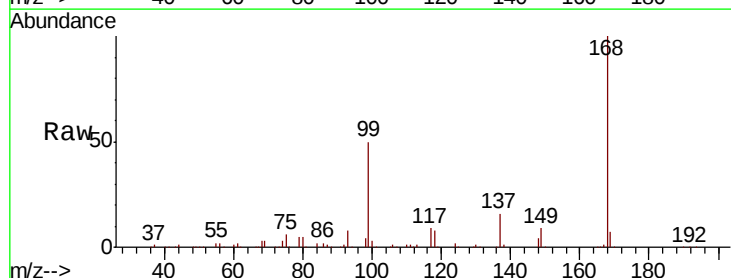
Instrument :
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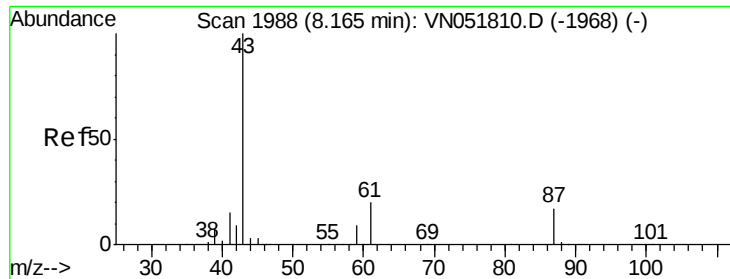
Tot Ion: 75 Resp: 50422
 Ion Ratio Lower Upper
 75 100
 110 9.3 18.1 54.4#
 77 0.0 24.8 37.2#



#38
 Carbon Tetrachloride
 Concen: 6.763 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.11 min
 Lab File: VN051844.D
 Acq: 12 Oct 2018 20:46

Tgt Ion: 117 Resp: 73714
 Ion Ratio Lower Upper
 117 100
 119 4.7 76.3 114.5#
 121 0.0 24.6 36.8#



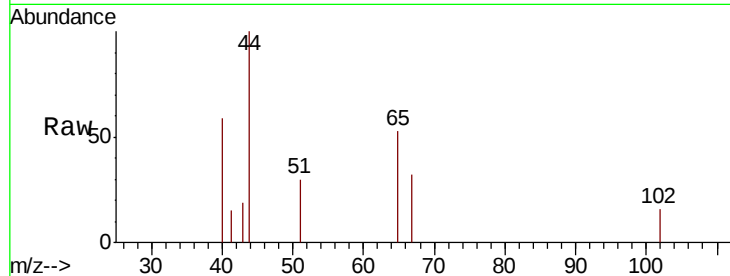


#43

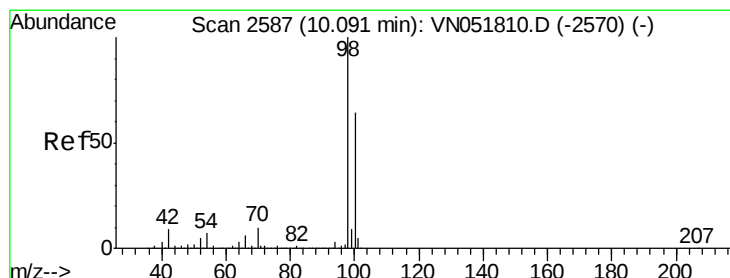
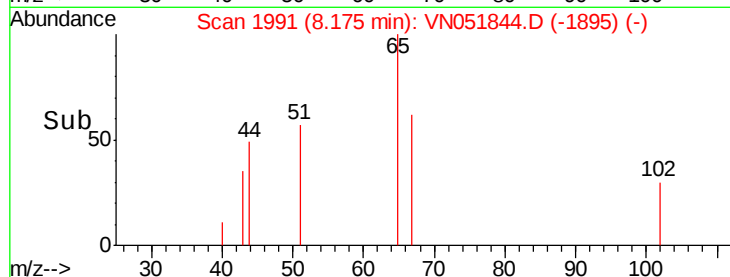
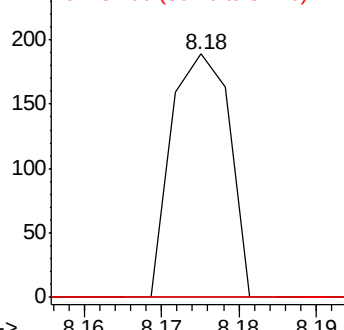
Isopropyl Acetate
 Concen: Below Cal
 RT: 8.18 min Scan# 1991
 Delta R.T. 0.01 min
 Lab File: VN051844.D
 Acq: 12 Oct 2018 20:46

Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-WATER-REF-5

Tot Ion: 43 Resp: 99
 Ion Ratio Lower Upper
 43 100
 61 0.0 17.5 26.3#
 87 0.0 11.3 16.9#



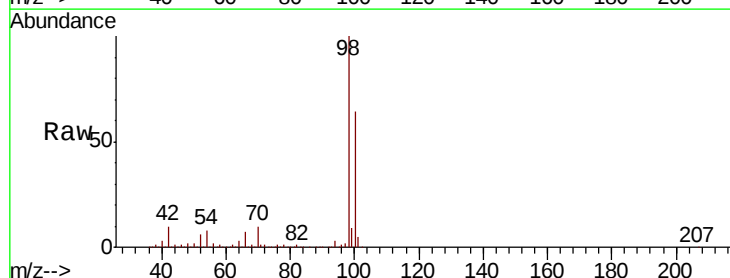
Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 61.00 (60.70 to 61.70): VN0
 Ion 87.00 (86.70 to 87.70): VN0



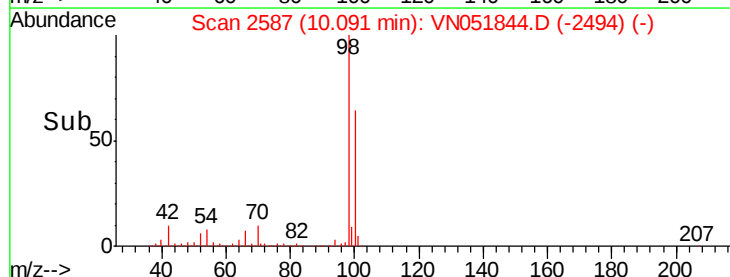
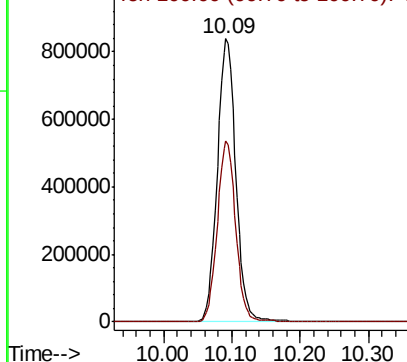
#50

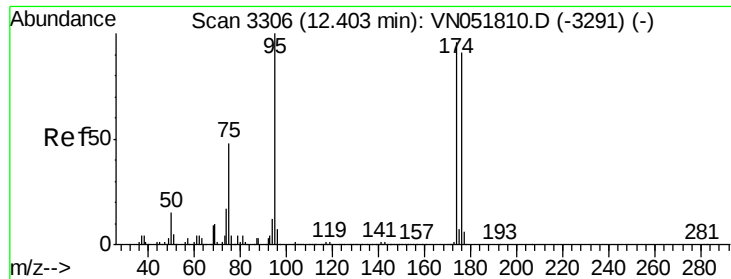
Toluene-d8
 Concen: N.D. ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. 0.00 min
 Lab File: VN051844.D
 Acq: 12 Oct 2018 20:46

Tgt Ion: 98 Resp: 1582761
 Ion Ratio Lower Upper
 98 100
 100 63.6 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN051844.D

Acq: 12 Oct 2018 20:46

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

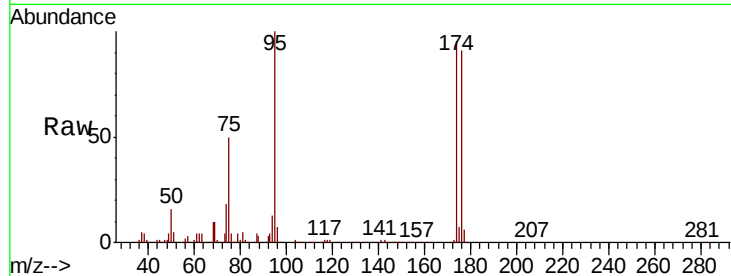
Tot Ion: 95 Resp: 443653

Ion Ratio Lower Upper

95 100

174 94.5 0.0 183.0

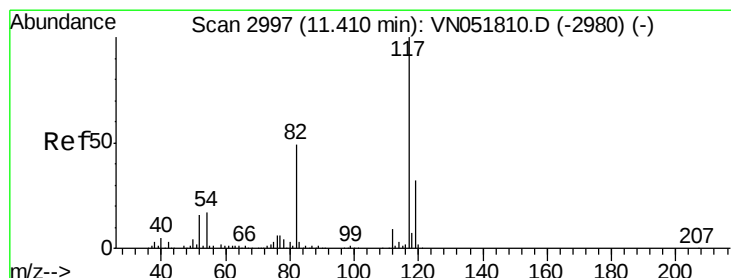
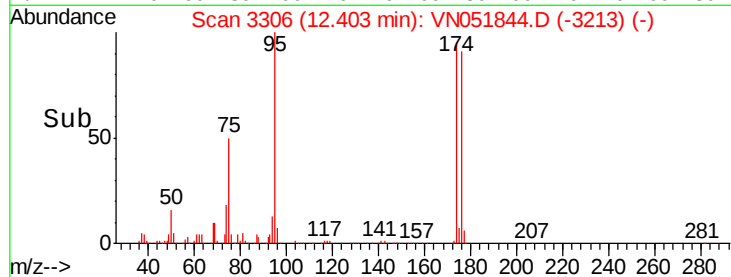
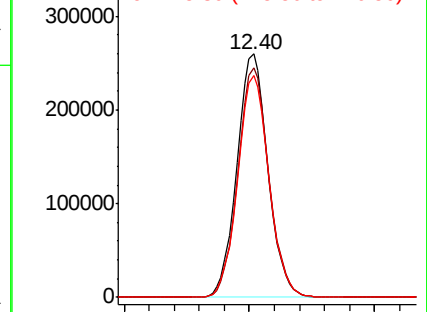
176 92.0 0.0 178.8



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: VN051844.D

Acq: 12 Oct 2018 20:46

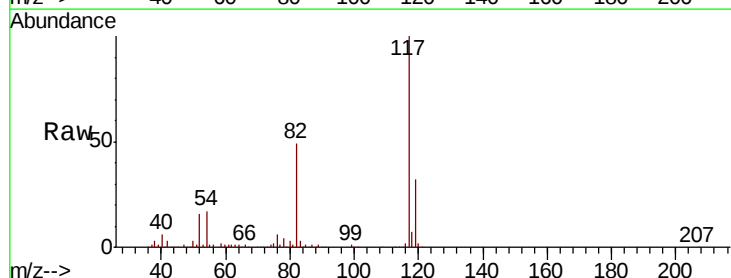
Tgt Ion: 117 Resp: 999036

Ion Ratio Lower Upper

117 100

82 49.1 42.6 64.0

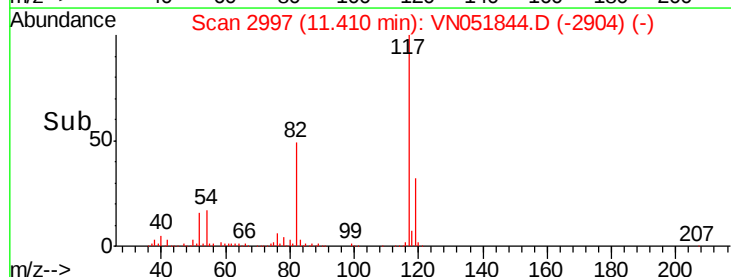
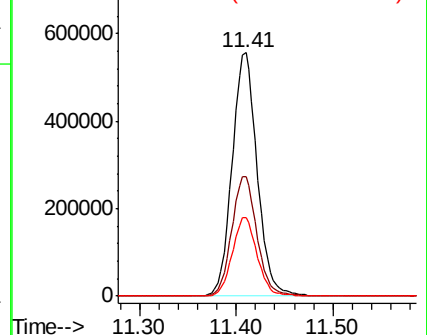
119 32.4 25.8 38.6

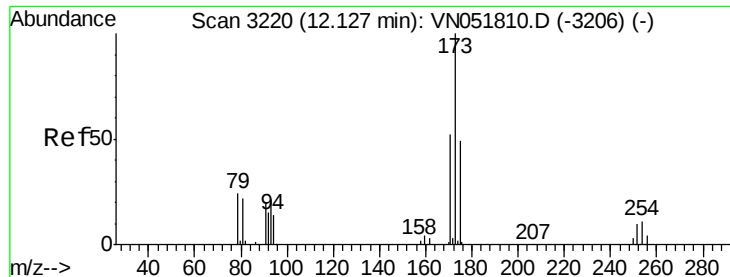


Abundance Ion 116.90 (116.60 to 117.60): VN051810.D (-2980) (-)

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: 4.154 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN051844.D

Acq: 12 Oct 2018 20:46

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

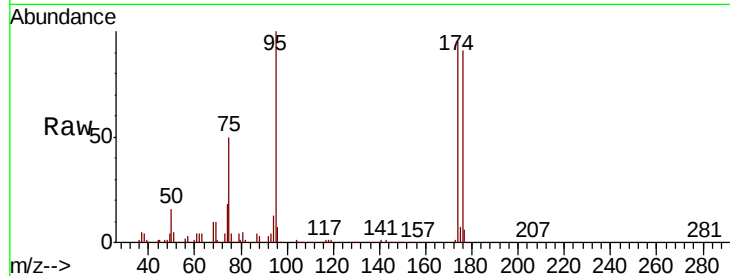
Tot Ion:173 Resp: 3754

Ion Ratio Lower Upper

173 100

175 683.6 24.4 73.4#

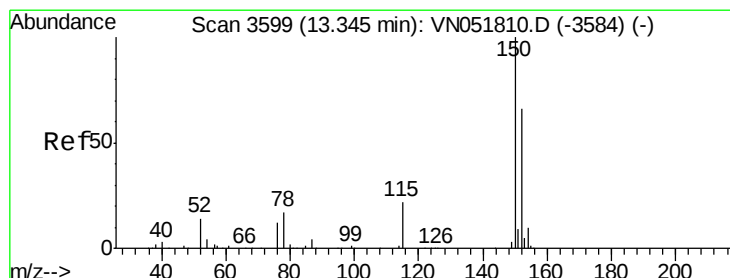
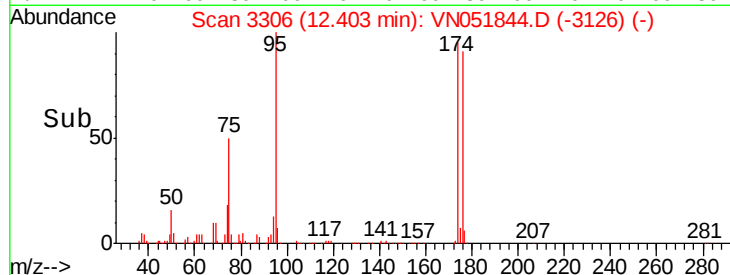
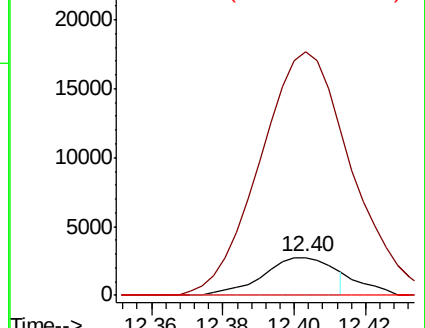
254 0.0 0.1 0.1#



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: VN051844.D

Acq: 12 Oct 2018 20:46

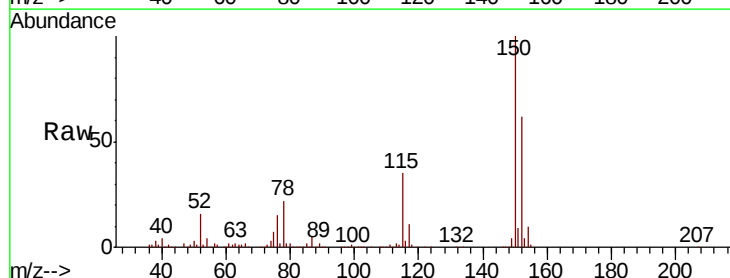
Tgt Ion:152 Resp: 335350

Ion Ratio Lower Upper

152 100

115 55.5 27.8 83.4

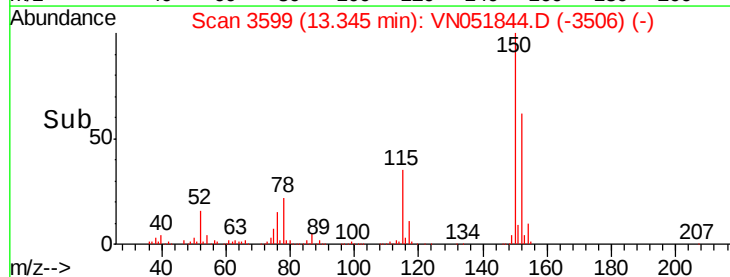
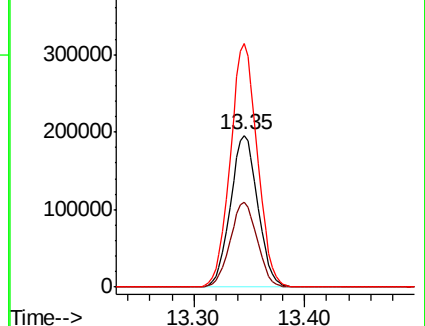
150 158.4 0.0 351.4

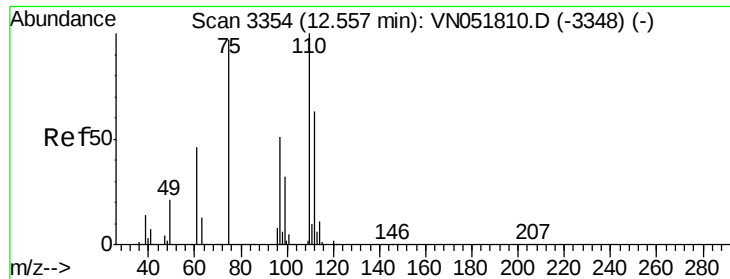


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

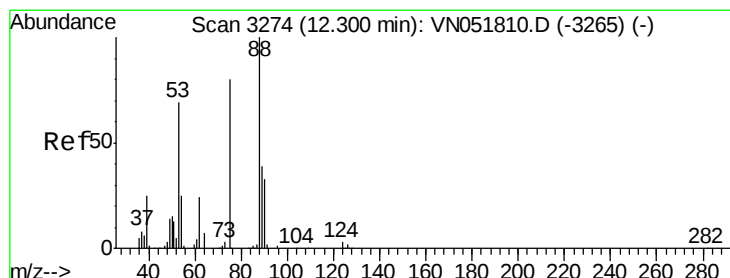
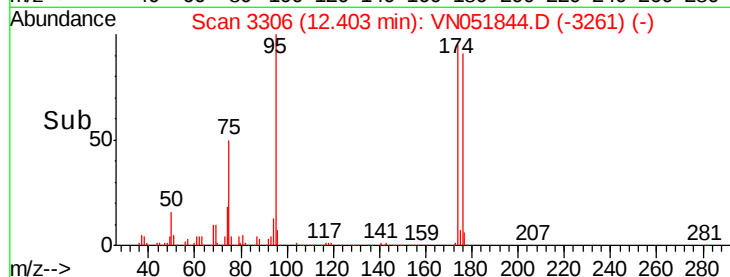
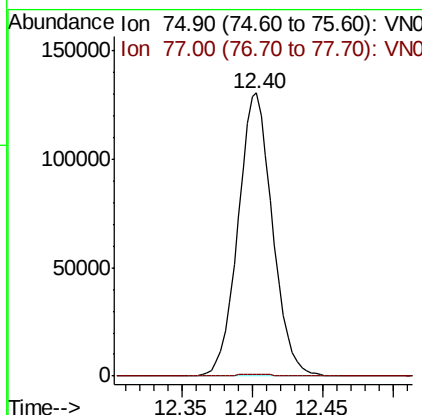
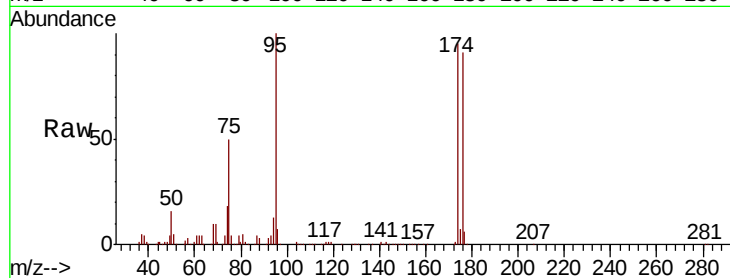




#76
 1,2,3-Trichloropropane
 Concen: 53.883 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. -0.15 min
 Lab File: VN051844.D
 Acq: 12 Oct 2018 20:46

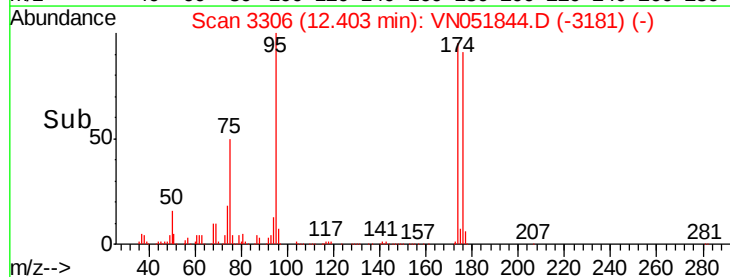
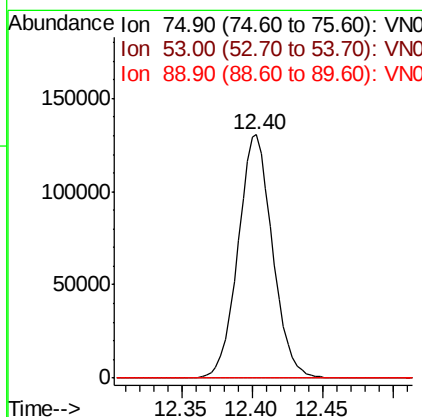
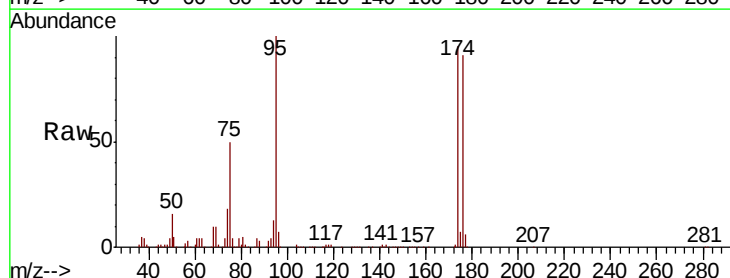
Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-WATER-REF-5

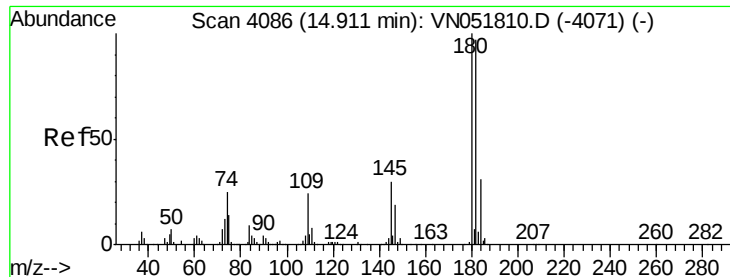
Tot Ion: 75 Resp: 222800
 Ion Ratio Lower Upper
 75 100
 77 0.9 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 152.993 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.10 min
 Lab File: VN051844.D
 Acq: 12 Oct 2018 20:46

Tgt Ion: 75 Resp: 222800
 Ion Ratio Lower Upper
 75 100
 53 0.0 68.9 103.3#
 89 0.0 36.1 54.1#

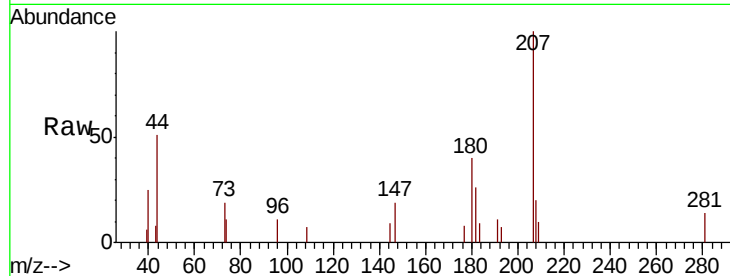




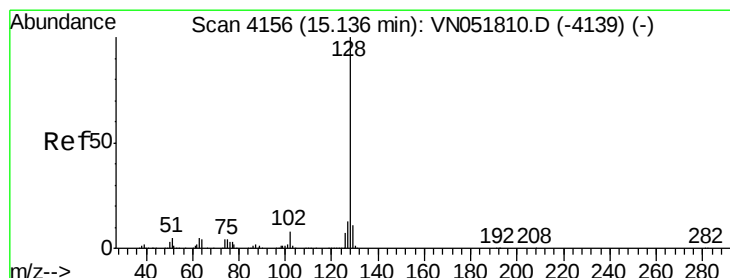
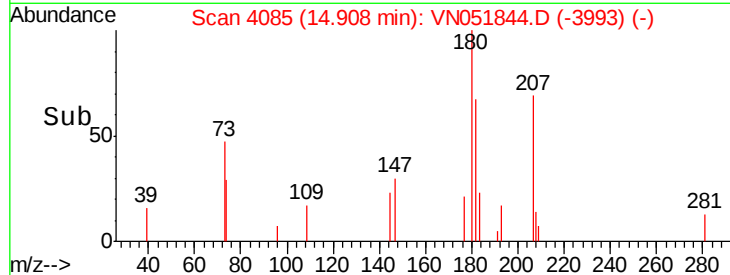
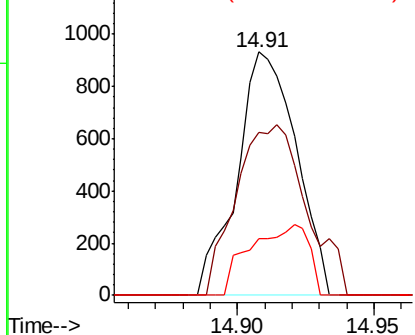
#93
 1,2,4-Trichlorobenzene
 Concen: 3.885 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN051844.D
 Acq: 12 Oct 2018 20:46

Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-WATER-REF-5

Tot Ion:180 Resp: 1400
 Ion Ratio Lower Upper
 180 100
 182 83.1 48.2 144.6
 145 28.9 14.1 42.2

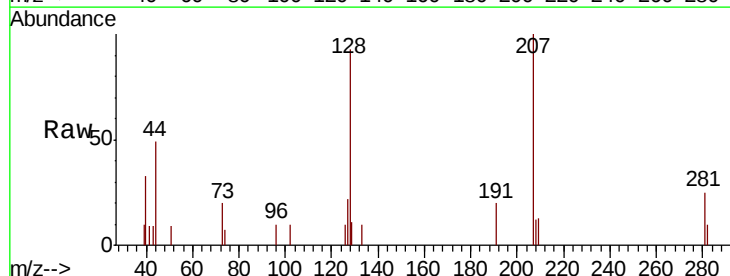


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

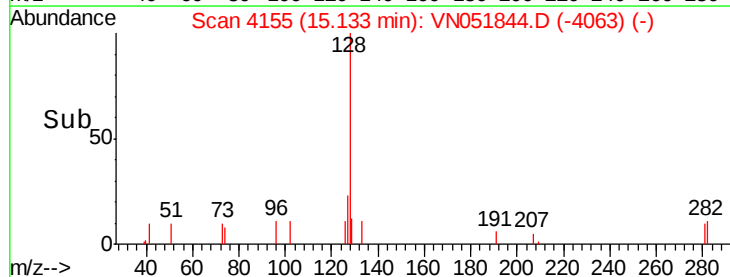
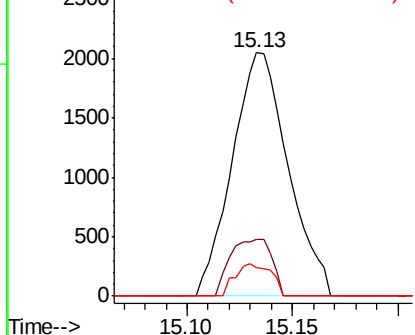


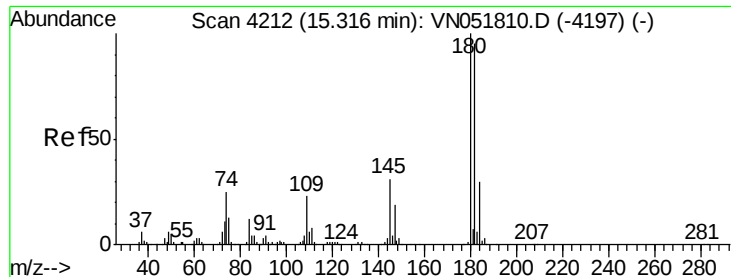
#95
 Naphthalene
 Concen: 4.675 ug/l
 RT: 15.13 min Scan# 4155
 Delta R.T. -0.00 min
 Lab File: VN051844.D
 Acq: 12 Oct 2018 20:46

Tgt Ion:128 Resp: 3785
 Ion Ratio Lower Upper
 128 100
 127 17.3 10.5 15.7#
 129 8.6 8.7 13.1#



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

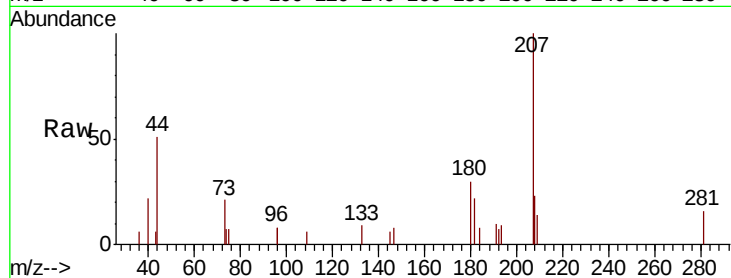




#96
 1,2,3-Trichlorobenzene
 Concen: 3.092 ug/l
 RT: 15.31 min Scan# 4210
 Delta R.T. -0.01 min
 Lab File: VN051844.D
 Acq: 12 Oct 2018 20:46

Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-WATER-REF-5

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.7	48.0	144.2
145	7.0	15.2	45.6



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

