

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101218\
 Data File : VN051846.D
 Acq On : 12 Oct 2018 21:35
 Operator : MD\SY
 Sample : J5459-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 27 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-SAMPLE-MANA

Quant Time: Oct 13 02:08:42 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	834995	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1180738	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	979844	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	304461	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	440133	55.15	ug/l	0.00
Spiked Amount			Recovery	=	110.30%	
35) Dibromofluoromethane	7.59	113	440138	59.95	ug/l	0.00
Spiked Amount			Recovery	=	119.90%	
50) Toluene-d8	10.09	98	1594617	58.29	ug/l	0.00
Spiked Amount			Recovery	=	116.58%	
62) 4-Bromofluorobenzene	12.40	95	418558	44.32	ug/l	0.00
Spiked Amount			Recovery	=	88.64%	

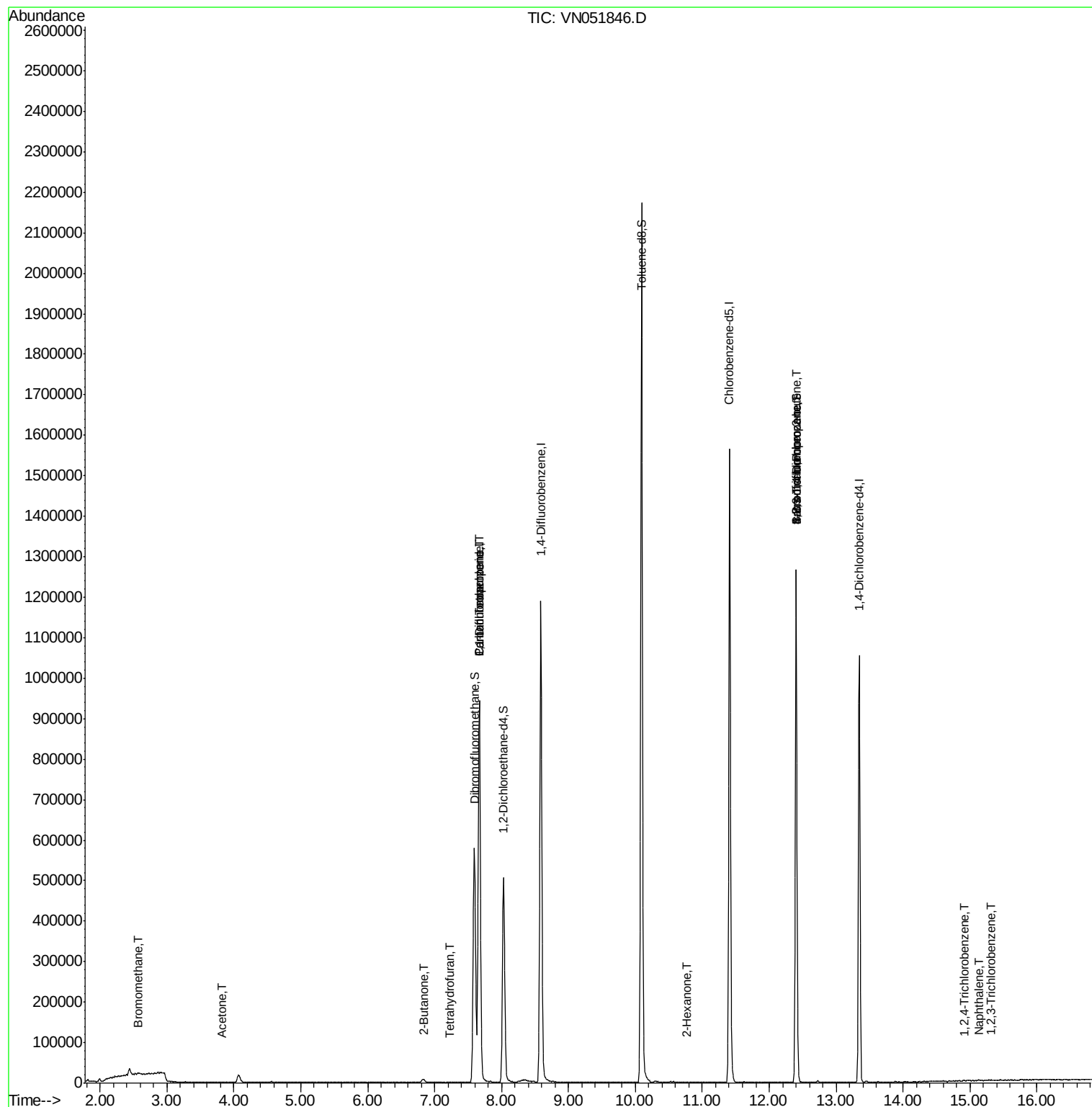
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.57	94	2169	0.286	ug/l	82
16) Acetone	3.83	43	1248	0.725	ug/l #	41
18) Methyl Acetate	4.33	43	147	Below Cal	#	1
25) 2-Butanone	6.84	43	546	0.224	ug/l #	47
29) Tetrahydrofuran	7.23	42	292	0.201	ug/l #	61
31) Cyclohexane	7.66	56	15070	Below Cal	#	30
36) 1,1-Dichloropropene	7.67	75	52839	5.528	ug/l #	51
38) Carbon Tetrachloride	7.67	117	75201	6.787	ug/l #	16
43) Isopropyl Acetate	8.18	43	67	Below Cal	#	58
59) 2-Hexanone	10.76	43	769	0.215	ug/l #	23
71) Bromoform	12.40	173	3411	4.112	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	210469	56.083	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	210469	159.189	ug/l #	15
93) 1,2,4-Trichlorobenzene	14.91	180	179	3.687	ug/l #	86
95) Naphthalene	15.13	128	1011	4.478	ug/l #	79
96) 1,2,3-Trichlorobenzene	15.31	180	221	2.899	ug/l #	66

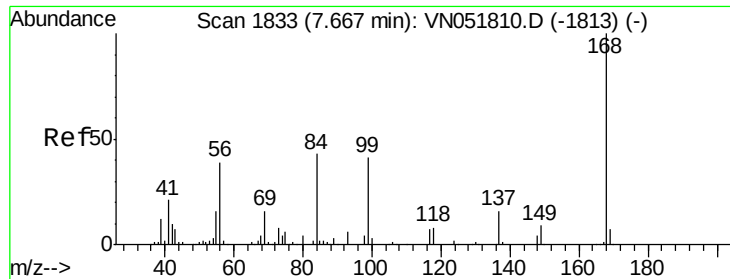
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN051846.D

Acq: 12 Oct 2018 21:35

Instrument :

MSVOA_N

ClientSampleId :

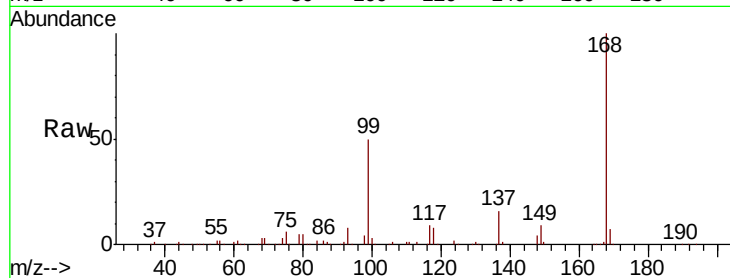
STORAGE-BLANK-SAMPLE-MANA

Tot Ion:168 Resp: 834995

Ion Ratio Lower Upper

168 100

99 50.1 39.6 59.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

400000

300000

200000

100000

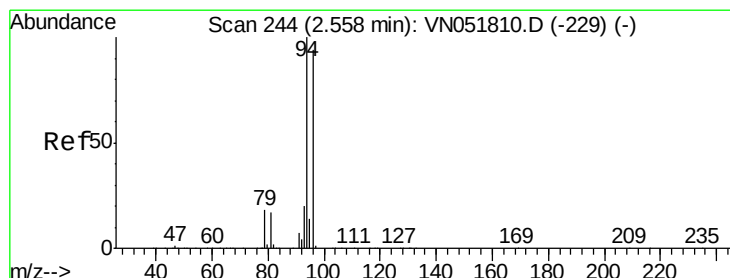
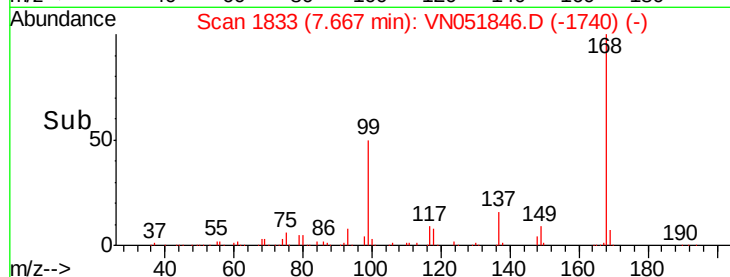
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Time-->

7.60

7.70

7.80



#5

Bromomethane

Concen: 0.286 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.01 min

Lab File: VN051846.D

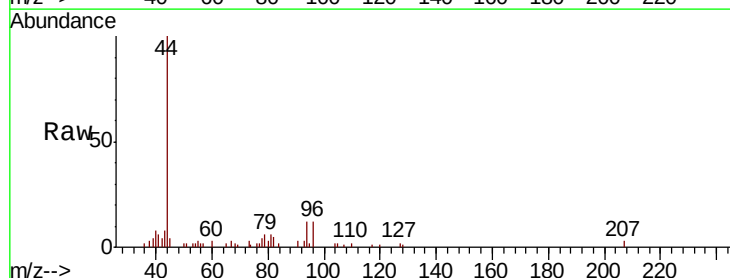
Acq: 12 Oct 2018 21:35

Tgt Ion: 94 Resp: 2169

Ion Ratio Lower Upper

94 100

96 113.2 76.2 114.2



Abundance Ion 93.90 (93.60 to 94.60): VN

Ion 95.90 (95.60 to 96.60): VN

2.57

1500

1000

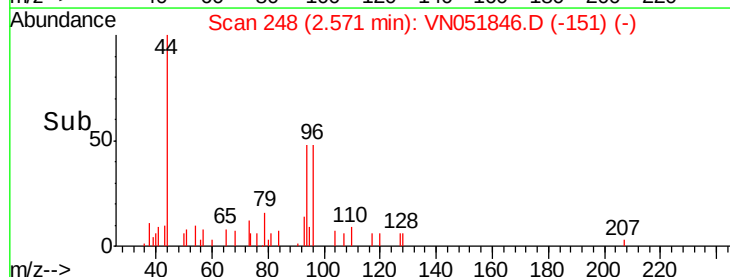
500

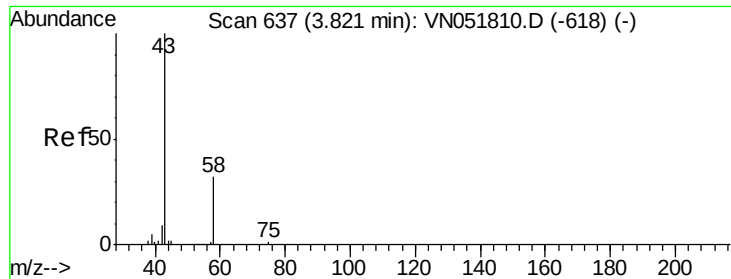
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Time-->

2.55

2.60





#16

Acetone

Concen: 0.725 ug/l

RT: 3.83 min Scan# 640

Delta R.T. 0.01 min

Lab File: VN051846.D

Acq: 12 Oct 2018 21:35

Instrument :

MSVOA_N

ClientSampleId :

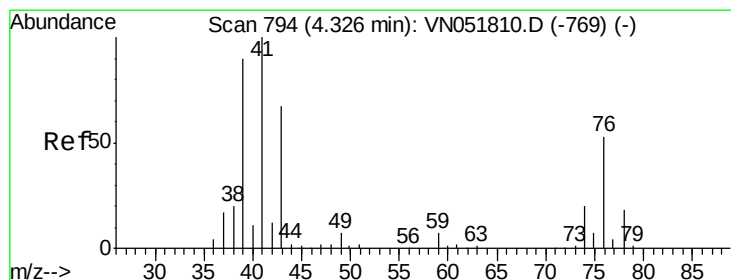
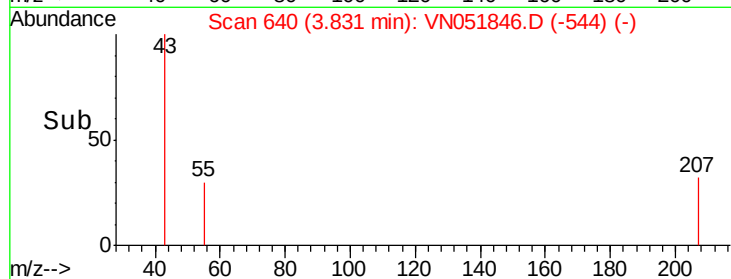
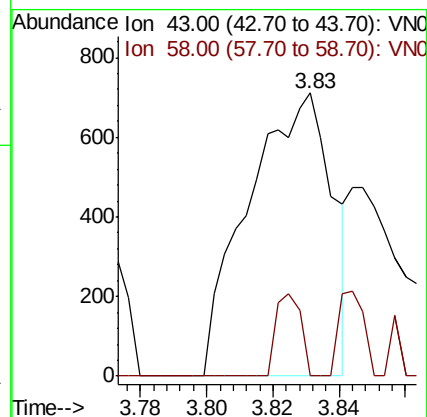
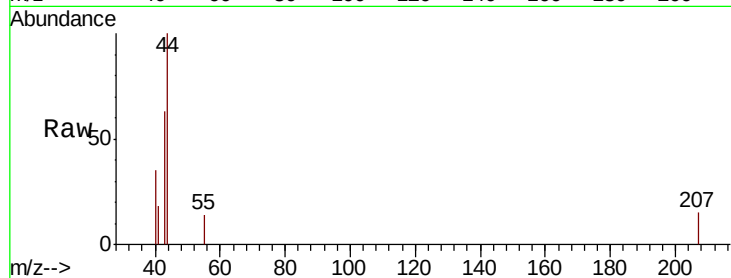
STORAGE-BLANK-SAMPLE-MANA

Tot Ion: 43 Resp: 1248

Ion Ratio Lower Upper

43 100

58 0.0 27.2 40.8#



#18

Methyl Acetate

Concen: Below Cal

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN051846.D

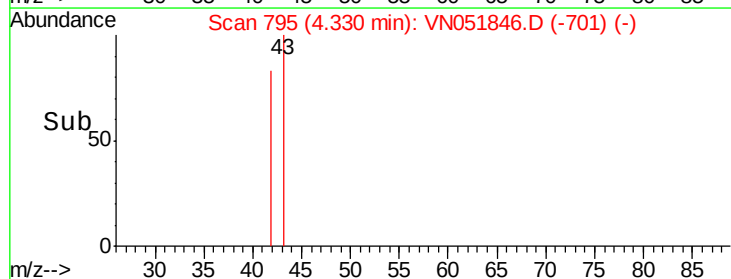
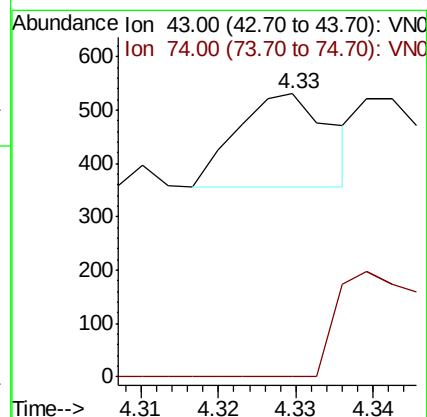
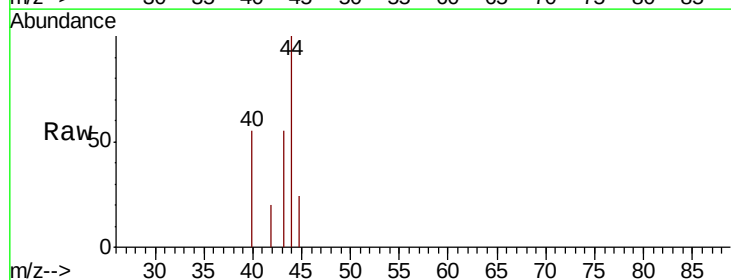
Acq: 12 Oct 2018 21:35

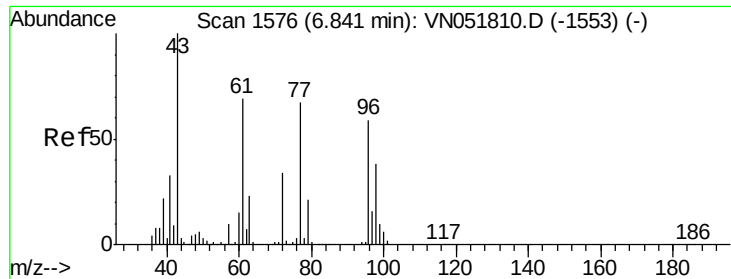
Tgt Ion: 43 Resp: 147

Ion Ratio Lower Upper

43 100

74 112.9 19.8 29.8#





#25

2-Butanone

Concen: 0.224 ug/l

RT: 6.84 min Scan# 1577

Delta R.T. 0.00 min

Lab File: VN051846.D

Acq: 12 Oct 2018 21:35

Instrument :

MSVOA_N

ClientSampleId :

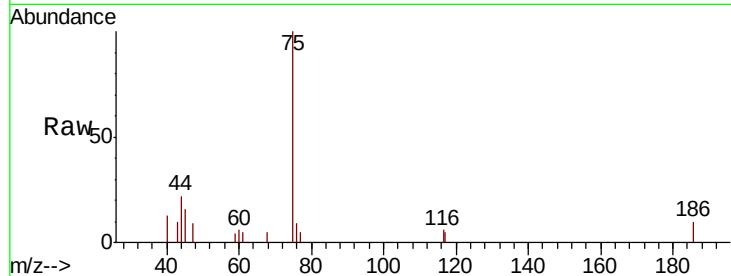
STORAGE-BLANK-SAMPLE-MANA

Tot Ion: 43 Resp: 546

Ion Ratio Lower Upper

43 100

72 0.0 22.3 33.5#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.84

400

300

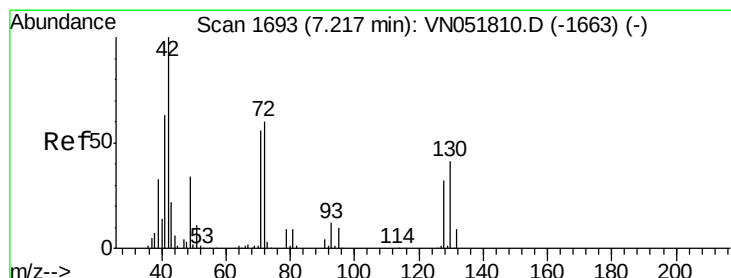
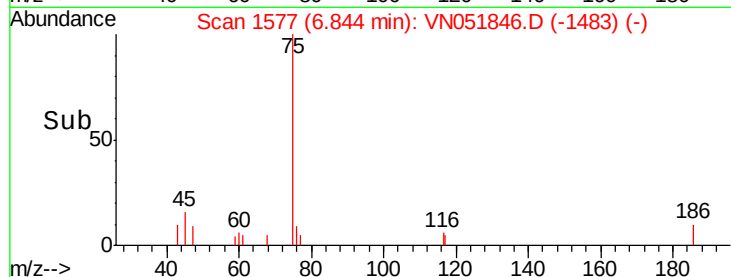
200

100

0

6.82 6.84 6.86

Time-->



#29

Tetrahydrofuran

Concen: 0.201 ug/l

RT: 7.23 min Scan# 1696

Delta R.T. 0.01 min

Lab File: VN051846.D

Acq: 12 Oct 2018 21:35

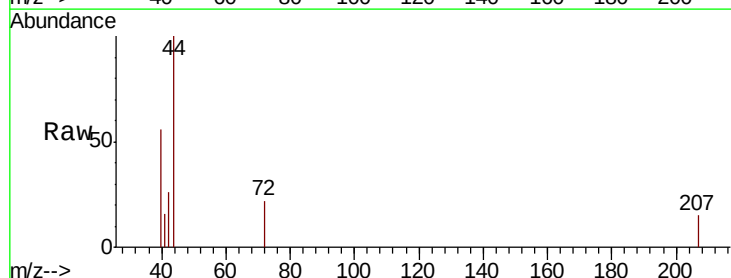
Tgt Ion: 42 Resp: 292

Ion Ratio Lower Upper

42 100

72 52.4 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

300

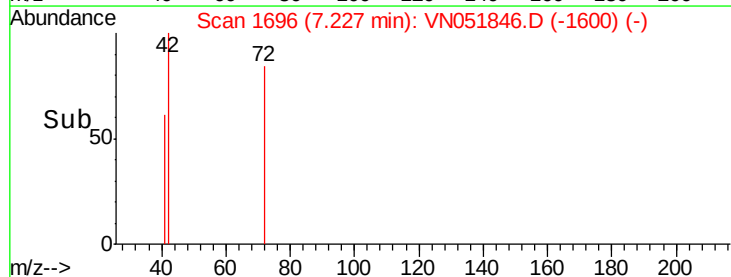
200

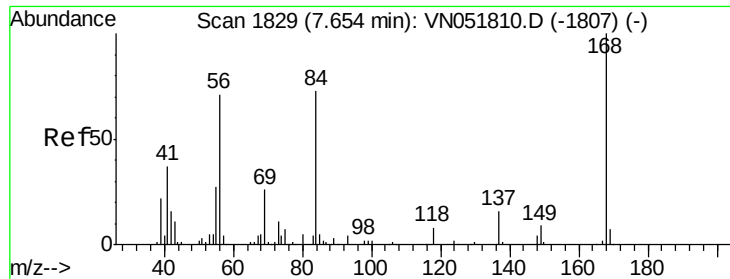
100

0

7.21 7.22 7.23 7.24

Time-->

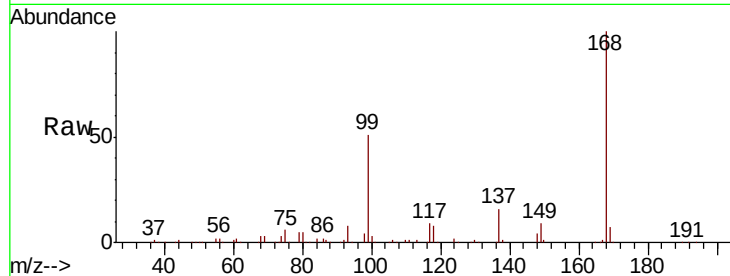




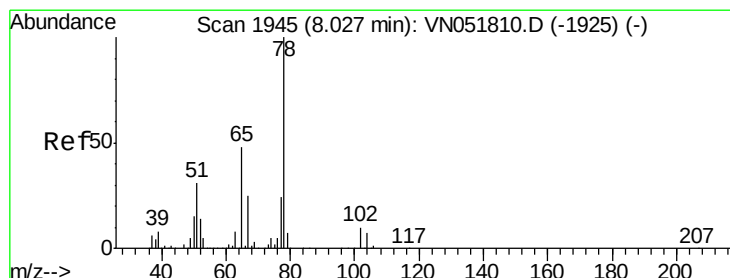
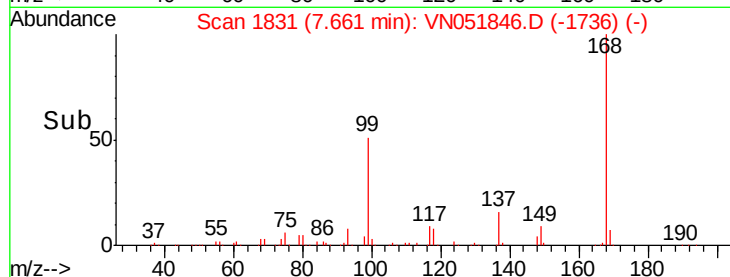
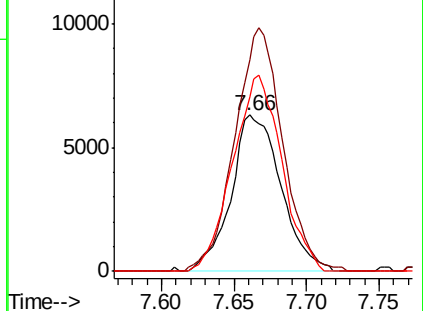
#31
Cyclohexane
Concen: Below Cal
RT: 7.66 min Scan# 1831
Delta R.T. 0.01 min
Lab File: VN051846.D
Acq: 12 Oct 2018 21:35

Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANA

Tot Ion: 56 Resp: 15070
Ion Ratio Lower Upper
56 100
69 132.8 26.2 39.4#
84 111.6 68.3 102.5#

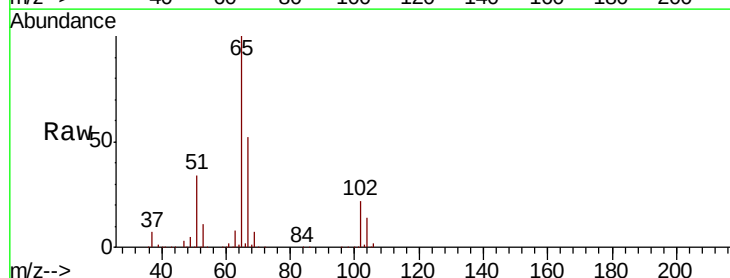


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

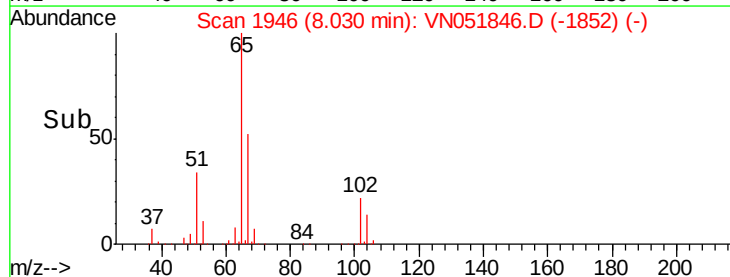
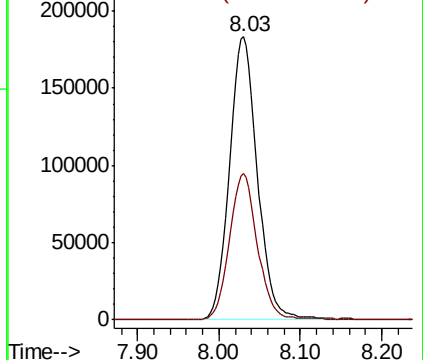


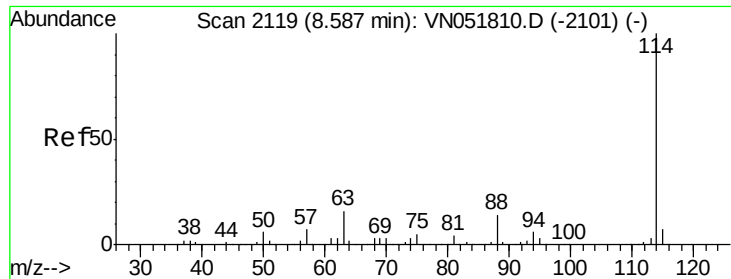
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 8.03 min Scan# 1946
Delta R.T. 0.00 min
Lab File: VN051846.D
Acq: 12 Oct 2018 21:35

Tgt Ion: 65 Resp: 440133
Ion Ratio Lower Upper
65 100
67 51.4 0.0 110.4



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

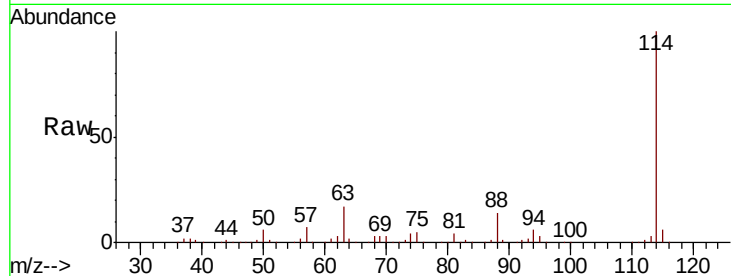




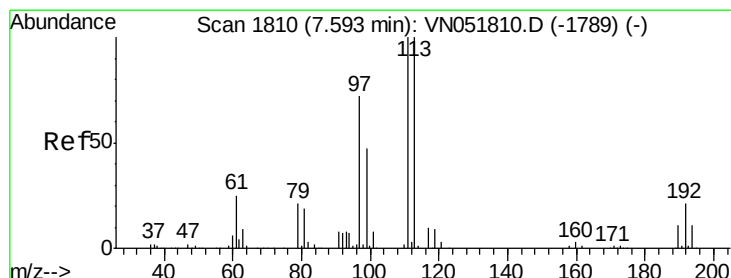
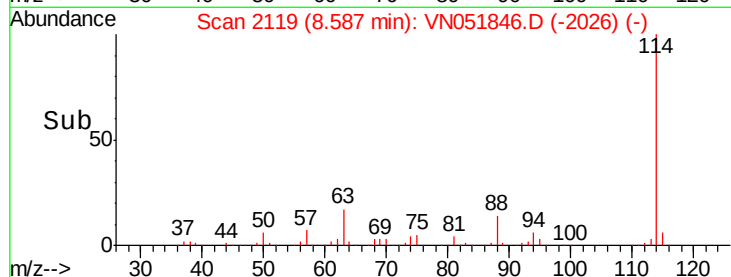
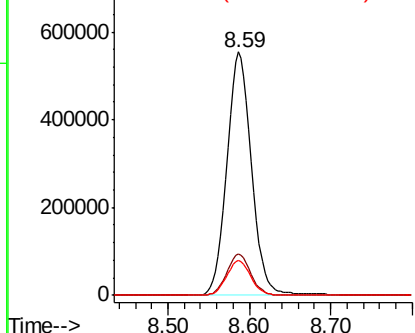
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN051846.D
 Acq: 12 Oct 2018 21:35

Instrument :
 MSVOA_N
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 STORAGE-BLANK-SAMPLE-MANA

Tot Ion:114 Resp: 1180738
 Ion Ratio Lower Upper
 114 100
 63 16.8 0.0 38.6
 88 14.2 0.0 30.6

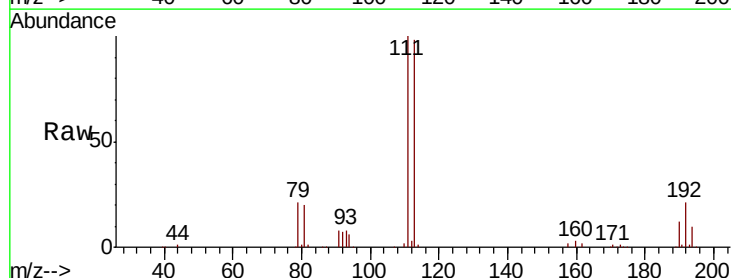


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

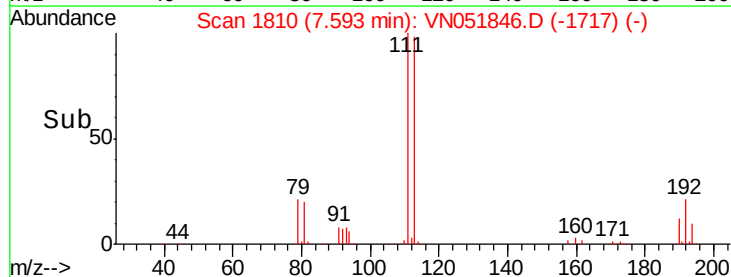
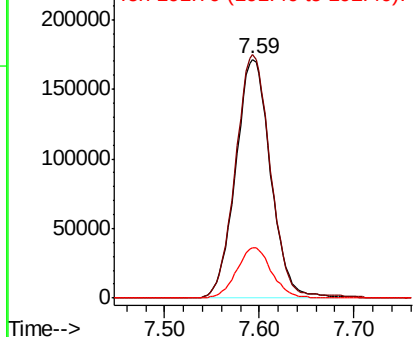


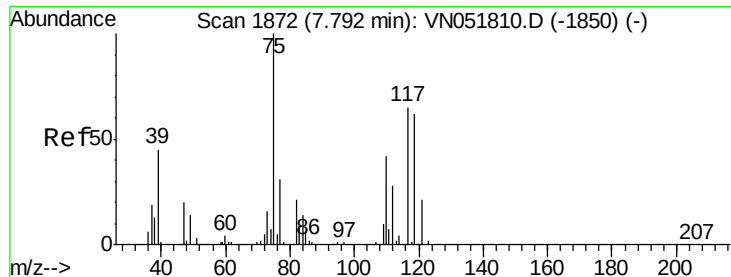
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN051846.D
 Acq: 12 Oct 2018 21:35

Tgt Ion:113 Resp: 440138
 Ion Ratio Lower Upper
 113 100
 111 102.5 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: 5.528 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.13 min

Lab File: VN051846.D

Acq: 12 Oct 2018 21:35

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANA

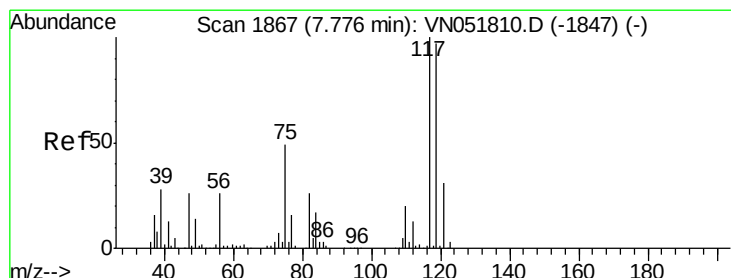
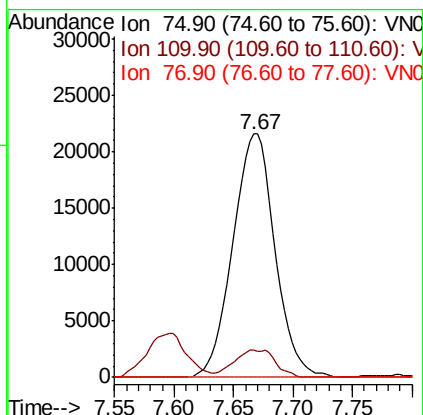
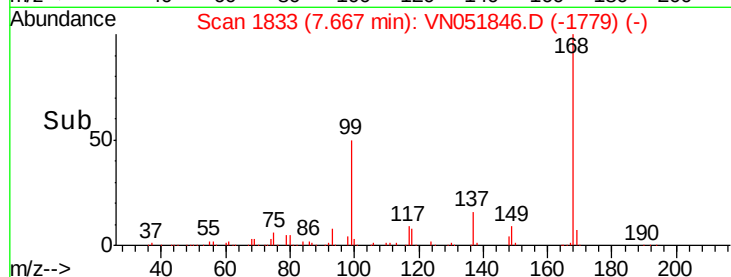
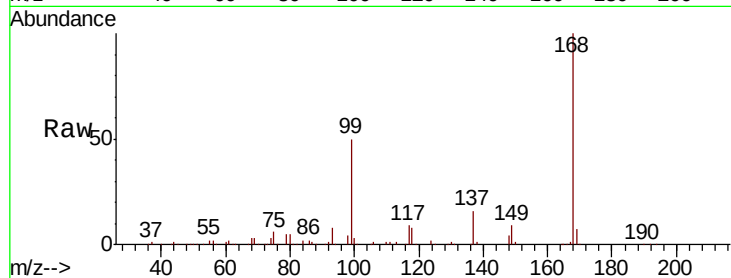
Tot Ion: 75 Resp: 52839

Ion Ratio Lower Upper

75 100

110 10.9 18.1 54.4#

77 0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 6.787 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN051846.D

Acq: 12 Oct 2018 21:35

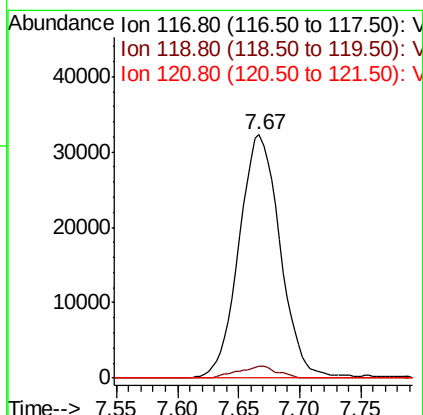
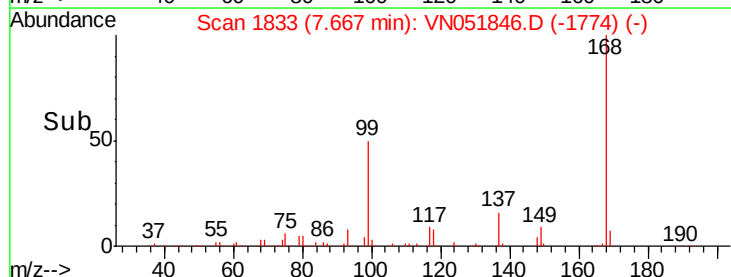
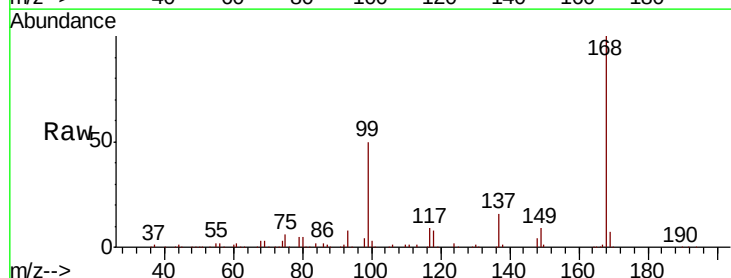
Tgt Ion: 117 Resp: 75201

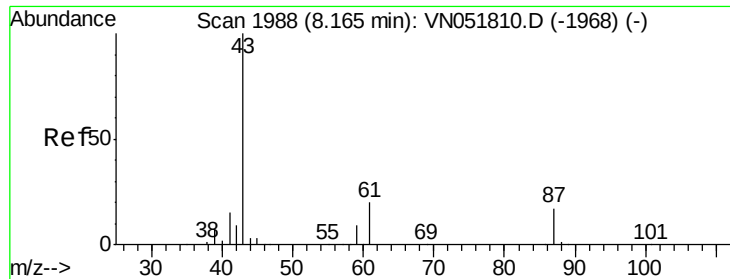
Ion Ratio Lower Upper

117 100

119 5.0 76.3 114.5#

121 0.0 24.6 36.8#





#43

Isopropyl Acetate

Concen: Below Cal

RT: 8.18 min Scan# 1993

Delta R.T. 0.02 min

Lab File: VN051846.D

Acq: 12 Oct 2018 21:35

Instrument :

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ClientSampleId :

STORAGE-BLANK-SAMPLE-MANA

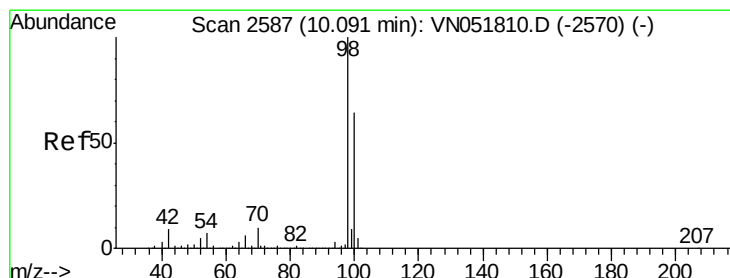
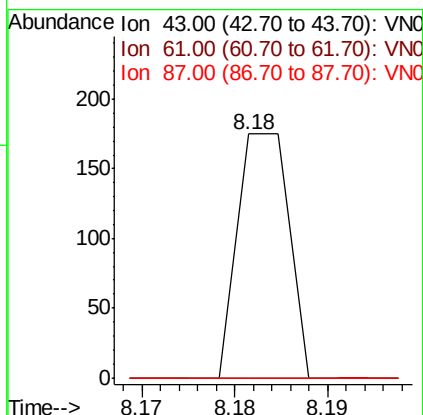
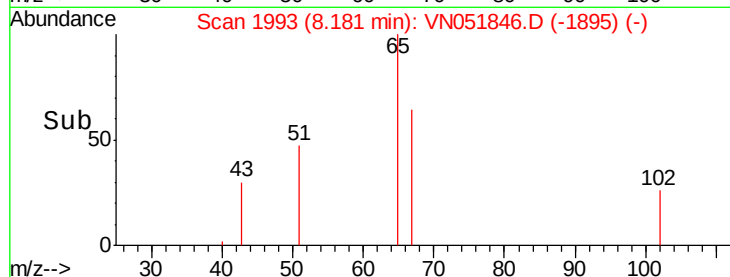
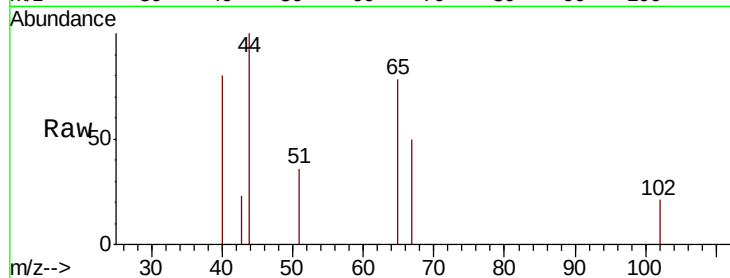
Tot Ion: 43 Resp: 67

Ion Ratio Lower Upper

43 100

61 0.0 17.5 26.3#

87 0.0 11.3 16.9#



#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN051846.D

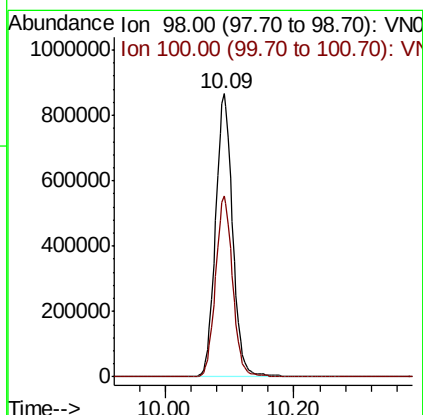
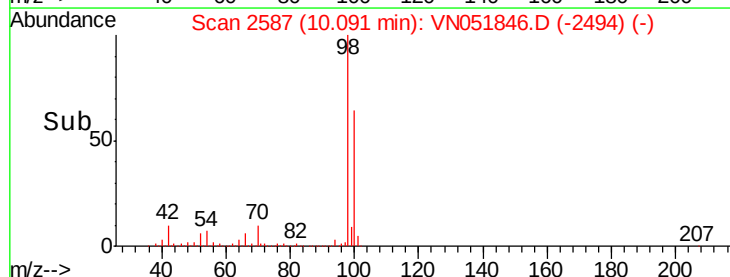
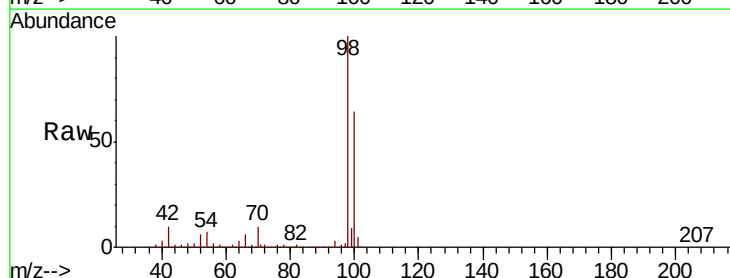
Acq: 12 Oct 2018 21:35

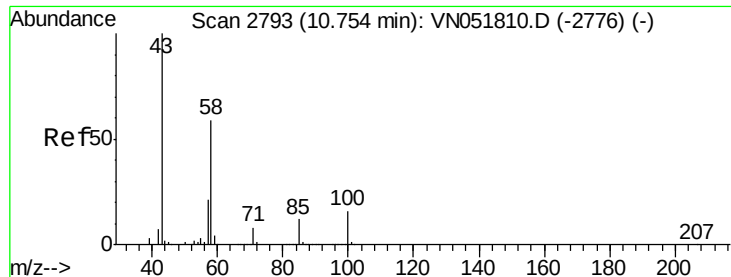
Tgt Ion: 98 Resp: 1594617

Ion Ratio Lower Upper

98 100

100 64.2 51.5 77.3

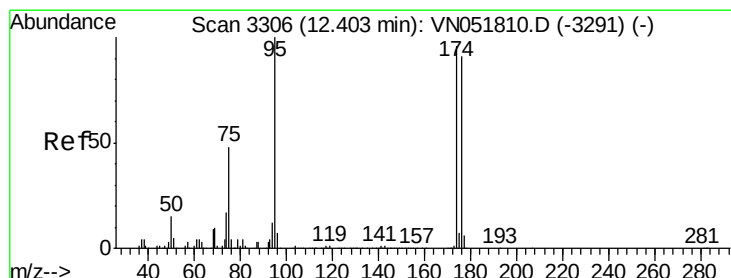
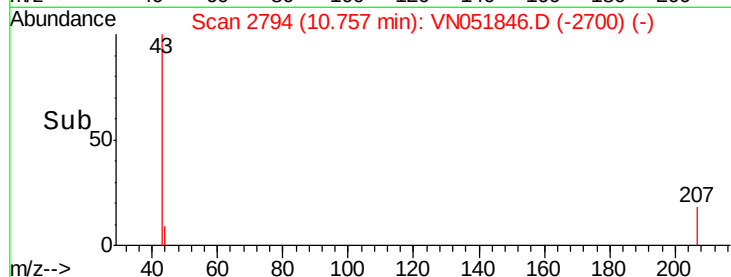
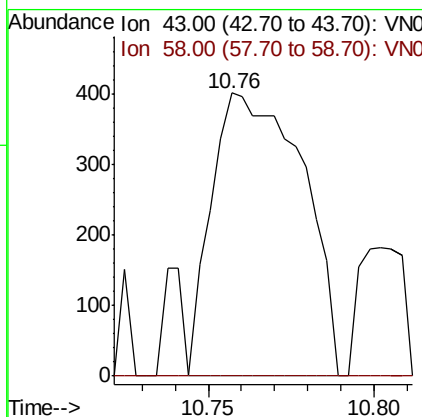
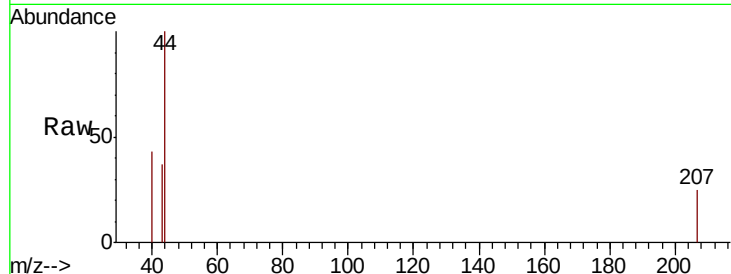




#59
2-Hexanone
Concen: 0.215 ug/l
RT: 10.76 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN051846.D
Acq: 12 Oct 2018 21:35

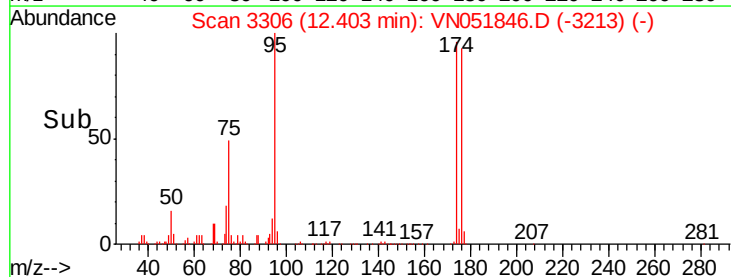
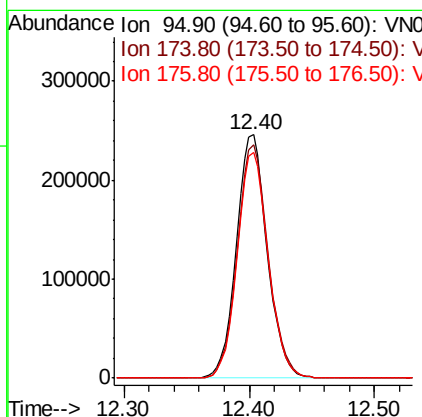
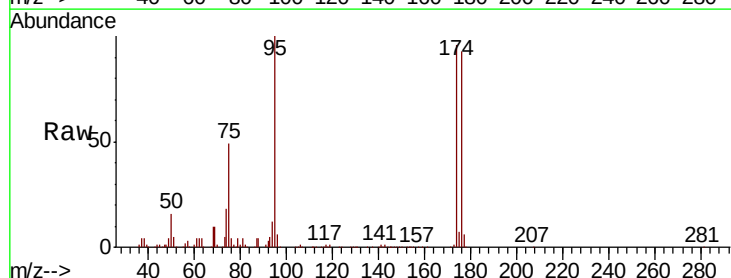
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANA

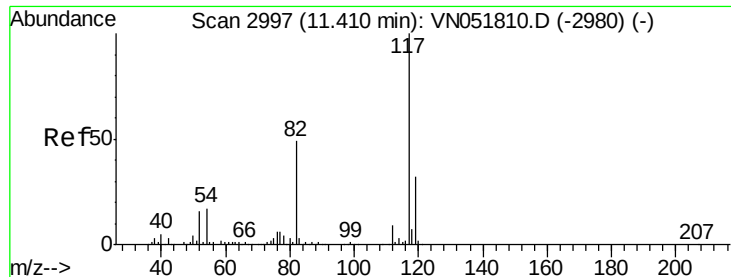
Tot Ion: 43 Resp: 769
Ion Ratio Lower Upper
43 100
58 0.0 28.3 85.0#



#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN051846.D
Acq: 12 Oct 2018 21:35

Tgt Ion: 95 Resp: 418558
Ion Ratio Lower Upper
95 100
174 96.5 0.0 183.0
176 93.2 0.0 178.8

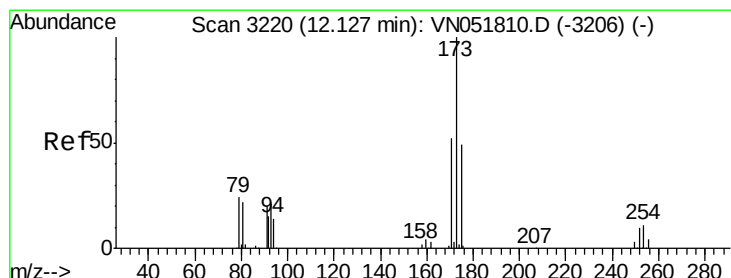
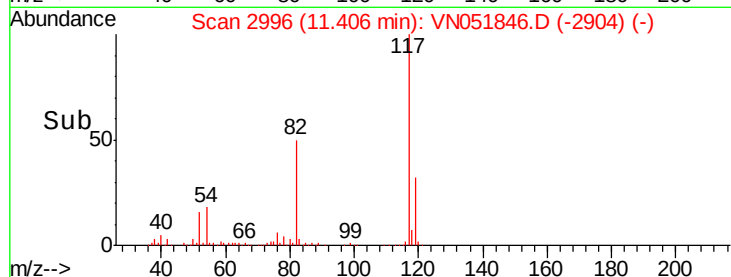
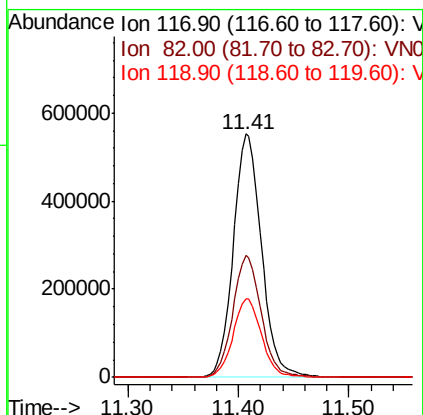
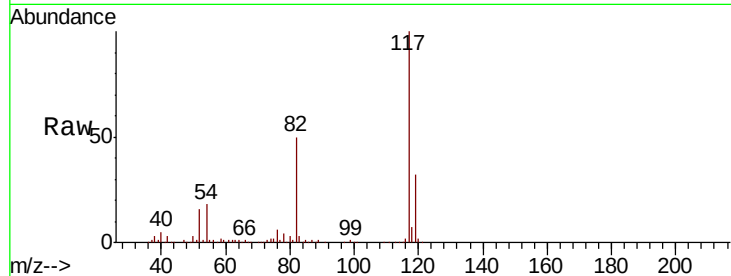




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051846.D
Acq: 12 Oct 2018 21:35

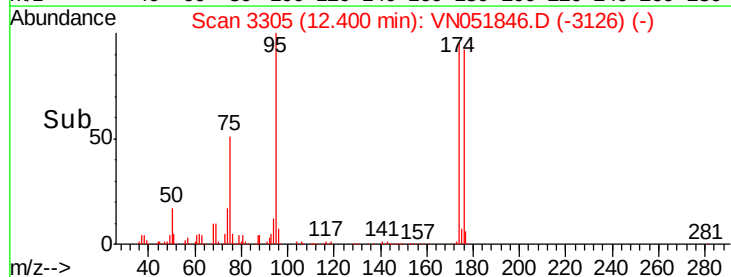
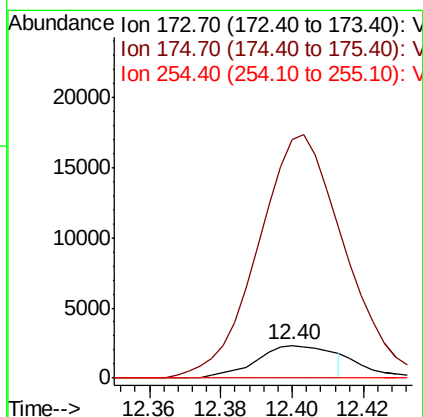
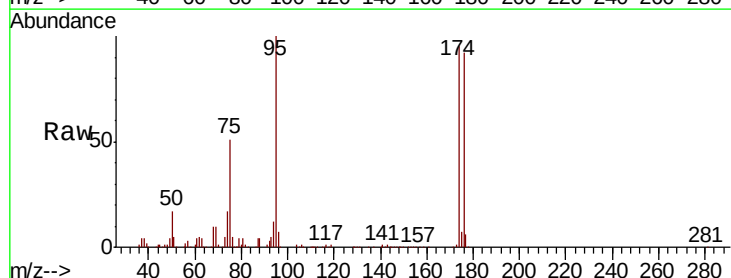
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANA

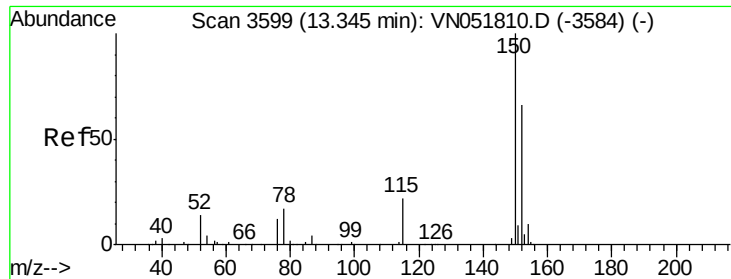
Tot Ion:117 Resp: 979844
Ion Ratio Lower Upper
117 100
82 49.9 42.6 64.0
119 32.5 25.8 38.6



#71
Bromoform
Concen: 4.112 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN051846.D
Acq: 12 Oct 2018 21:35

Tgt Ion:173 Resp: 3411
Ion Ratio Lower Upper
173 100
175 718.1 24.4 73.4#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN051846.D

Acq: 12 Oct 2018 21:35

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANA

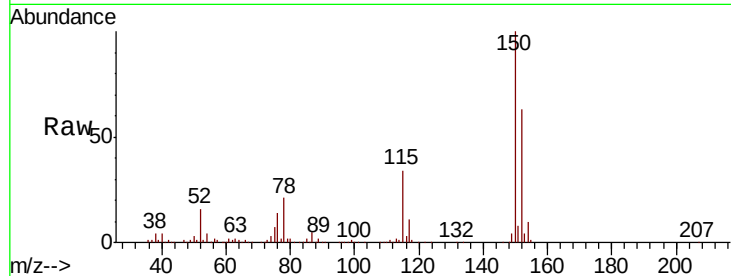
Tot Ion:152 Resp: 304461

Ion Ratio Lower Upper

152 100

115 54.3 27.8 83.4

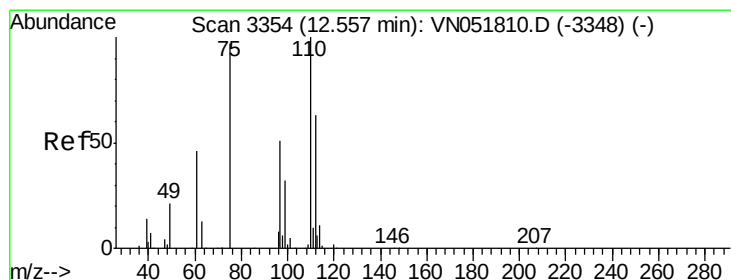
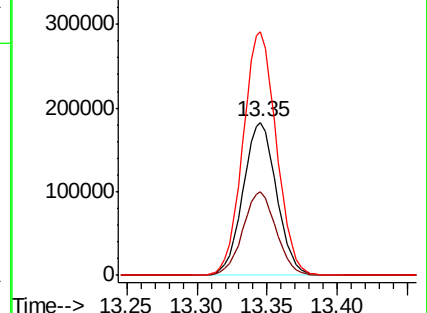
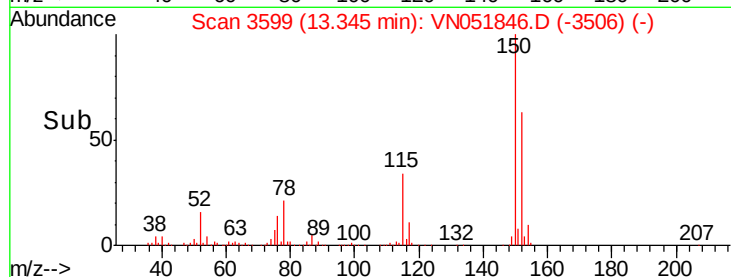
150 158.4 0.0 351.4



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: 56.083 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.16 min

Lab File: VN051846.D

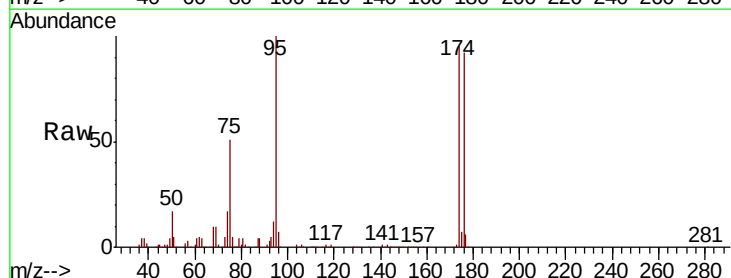
Acq: 12 Oct 2018 21:35

Tgt Ion: 75 Resp: 210469

Ion Ratio Lower Upper

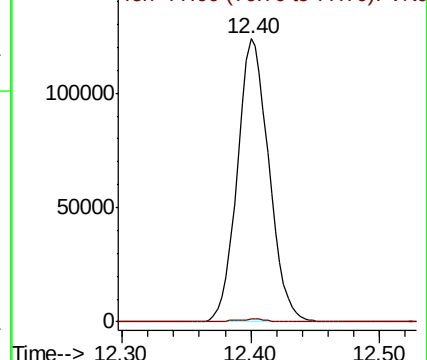
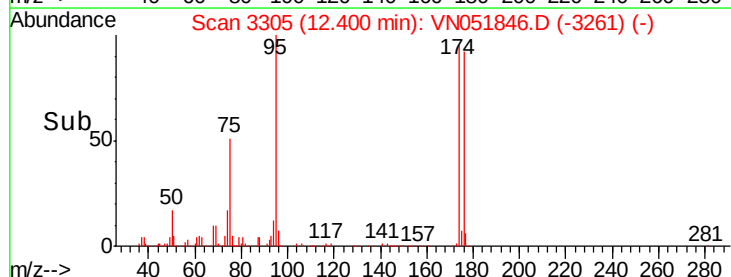
75 100

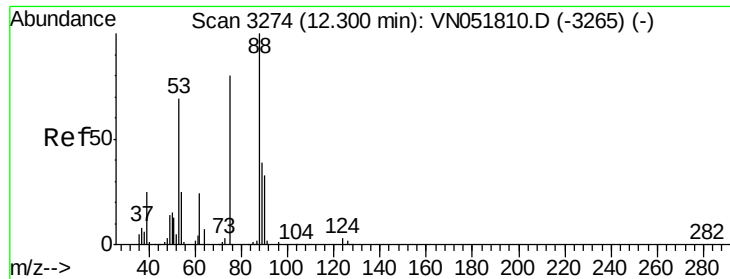
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V

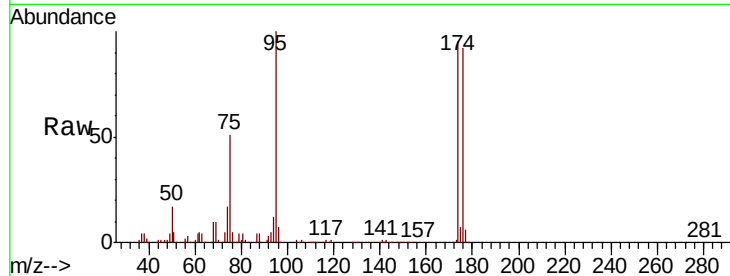




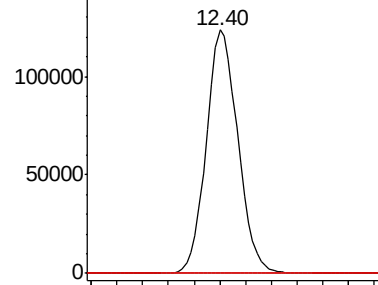
#81
trans-1,4-Dichloro-2-butene
Concen: 159.189 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.10 min
Lab File: VN051846.D
Acq: 12 Oct 2018 21:35

Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANA

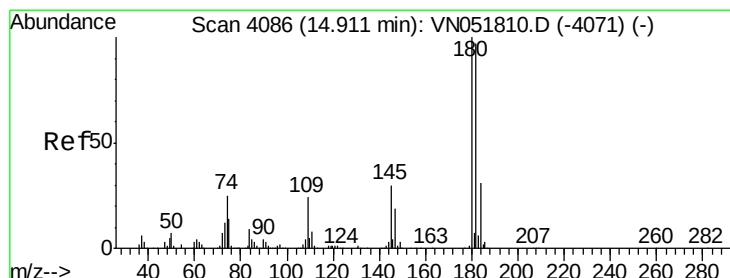
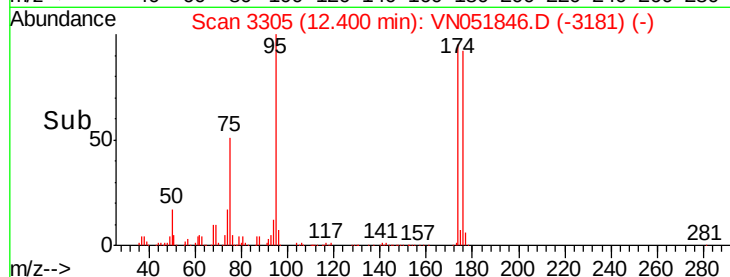
Tot Ion: 75 Resp: 210469
Ion Ratio Lower Upper
75 100
53 0.0 68.9 103.3#
89 0.0 36.1 54.1#



Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 53.00 (52.70 to 53.70): VN0
Ion 88.90 (88.60 to 89.60): VN0

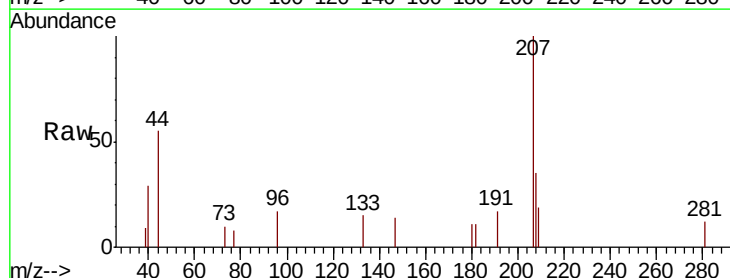


Time--> 12.30 12.40 12.50

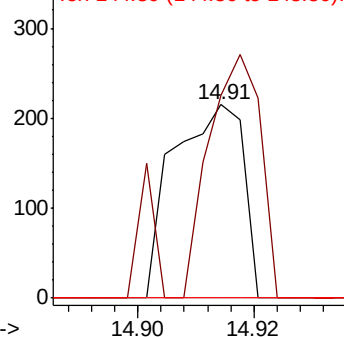


#93
1,2,4-Trichlorobenzene
Concen: 3.687 ug/l
RT: 14.91 min Scan# 4087
Delta R.T. 0.00 min
Lab File: VN051846.D
Acq: 12 Oct 2018 21:35

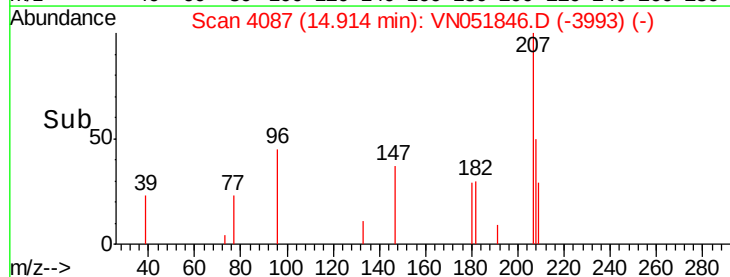
Tgt Ion:180 Resp: 179
Ion Ratio Lower Upper
180 100
182 93.9 48.2 144.6
145 0.0 14.1 42.2#

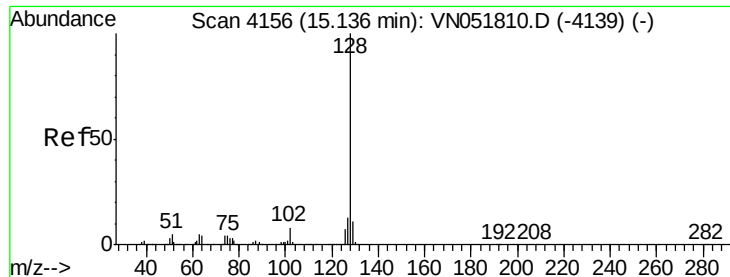


Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V



Time--> 14.90 14.92





#95

Naphthalene

Concen: 4.478 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN051846.D

Acq: 12 Oct 2018 21:35

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANA

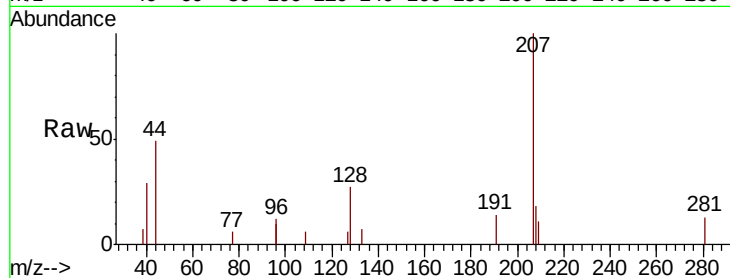
Tot Ion:128 Resp: 1011

Ion Ratio Lower Upper

128 100

127 7.0 10.5 15.7#

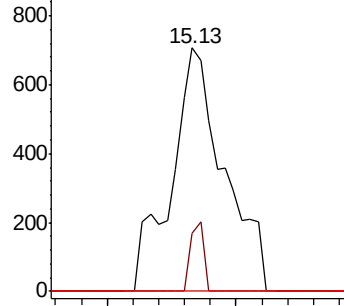
129 0.0 8.7 13.1#



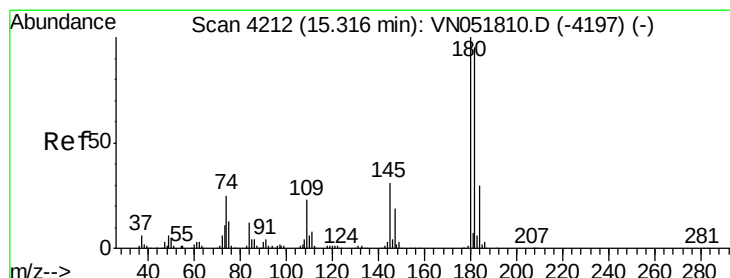
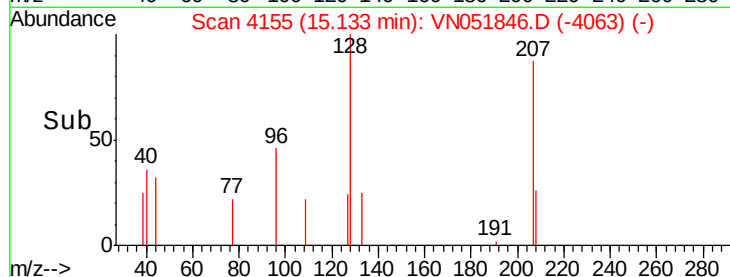
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



Time-->



#96

1,2,3-Trichlorobenzene

Concen: 2.899 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN051846.D

Acq: 12 Oct 2018 21:35

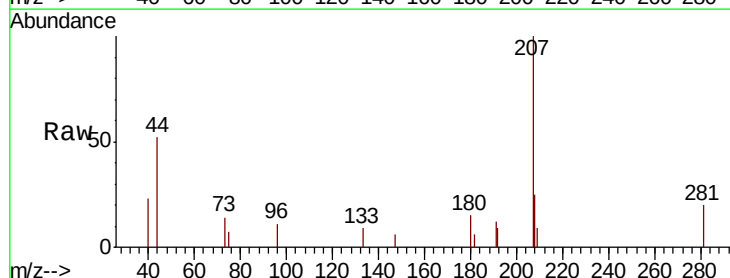
Tgt Ion:180 Resp: 221

Ion Ratio Lower Upper

180 100

182 69.2 48.0 144.2

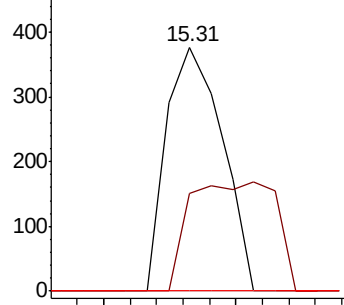
145 0.0 15.2 45.6#



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



Time-->

