

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071918\
 Data File : VN049911.D
 Acq On : 19 Jul 2018 12:58
 Operator : MD\SY
 Sample : J4043-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SD-BASELINE-WATER

Quant Time: Jul 20 01:27:11 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071818W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 19 01:58:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	601893	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	970595	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	821471	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	349717	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	398152	48.13	ug/l	0.00
Spiked Amount			Recovery	=	96.26%	
35) Dibromofluoromethane	7.59	113	358739	44.03	ug/l	0.00
Spiked Amount			Recovery	=	88.06%	
50) Toluene-d8	10.09	98	1316378	44.34	ug/l	0.00
Spiked Amount			Recovery	=	88.68%	
62) 4-Bromofluorobenzene	12.40	95	395980	38.73	ug/l	0.00
Spiked Amount			Recovery	=	77.46%	

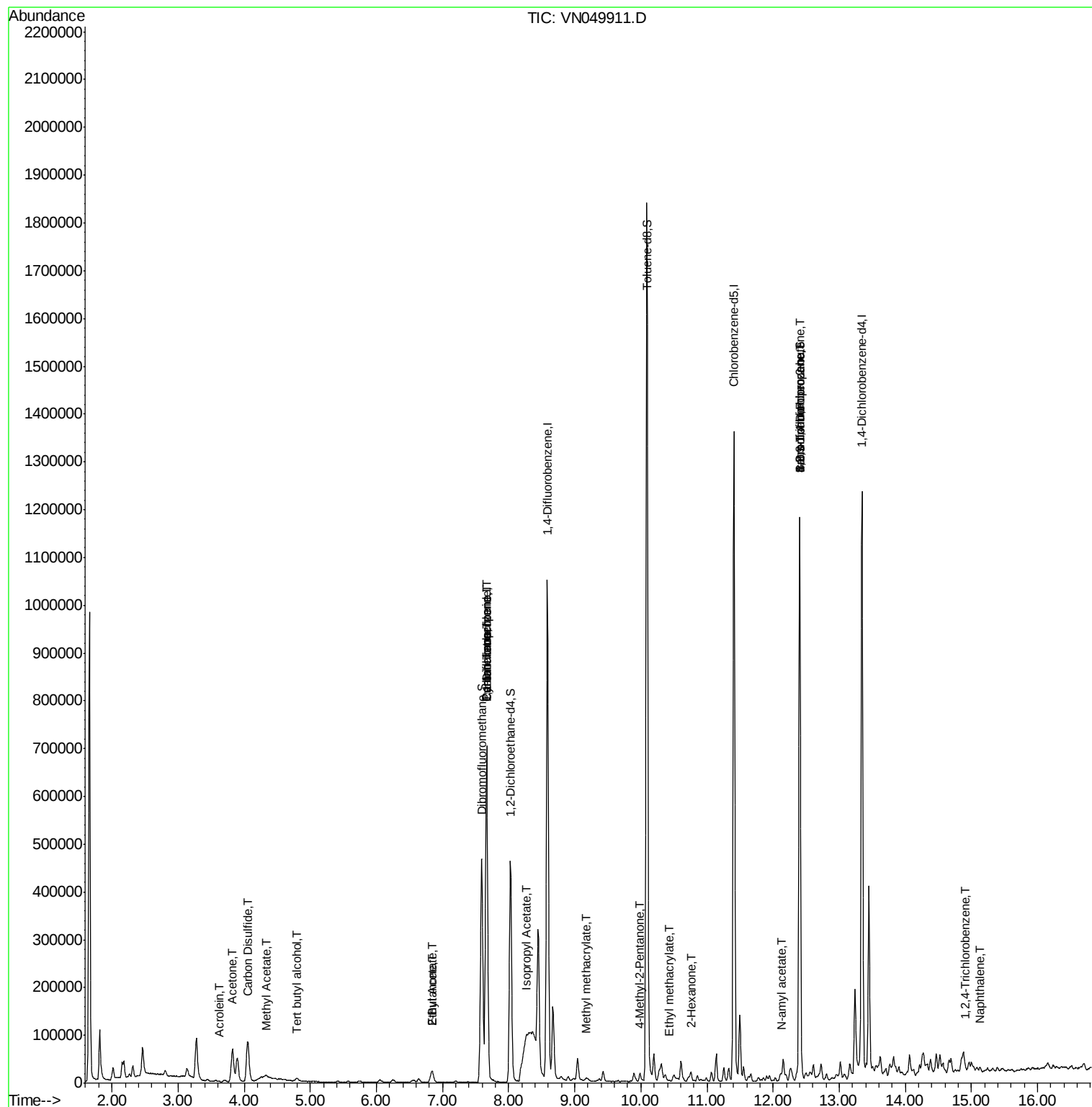
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.56	94	183	Below Cal		84
11) Tert butyl alcohol	4.79	59	7477	12.69	ug/l #	85
13) Acrolein	3.62	56	1280	3.37	ug/l #	15
16) Acetone	3.82	43	120238	56.14	ug/l	99
17) Carbon Disulfide	4.05	76	160488	8.22	ug/l	100
18) Methyl Acetate	4.33	43	7274	0.26	ug/l #	85
25) 2-Butanone	6.84	43	36593	11.95	ug/l	96
31) Cyclohexane	7.66	56	11643	1.06	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	42691	3.96	ug/l #	49
37) Ethyl Acetate	6.84	43	36593	4.94	ug/l #	68
38) Carbon Tetrachloride	7.67	117	53616	4.64	ug/l #	16
43) Isopropyl Acetate	8.27	43	142216	10.98	ug/l #	63
48) Methyl methacrylate	9.17	41	1774	0.27	ug/l #	26
51) 4-Methyl-2-Pentanone	9.99	43	13042	1.80	ug/l	91
56) Ethyl methacrylate	10.43	69	177	2.17	ug/l #	1
59) 2-Hexanone	10.75	43	7024	1.44	ug/l	85
71) Bromoform	12.40	173	2663	0.47	ug/l #	1
74) N-amyl acetate	12.11	43	3242	0.40	ug/l #	53
76) 1,2,3-Trichloropropane	12.40	75	196554	29.96	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	196554	93.69	ug/l #	13
93) 1,2,4-Trichlorobenzene	14.91	180	421	3.53	ug/l #	82
95) Naphthalene	15.13	128	6077	4.83	ug/l	99

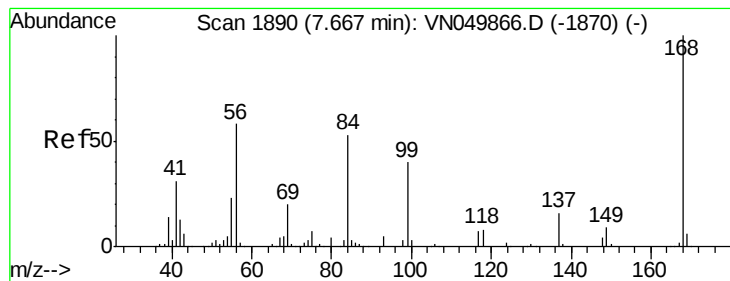
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN049911.D

Acq: 19 Jul 2018 12:58

Instrument :

MSVOA_N

ClientSampleId :

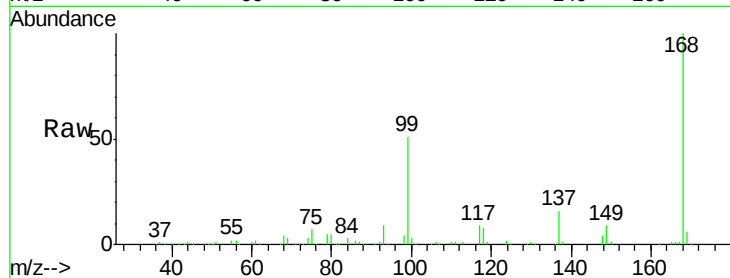
SD-BASELINE-WATER

Tot Ion:168 Resp: 601893

Ion Ratio Lower Upper

168 100

99 50.7 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

250000

200000

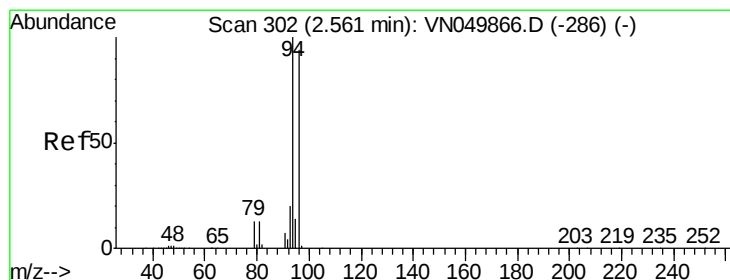
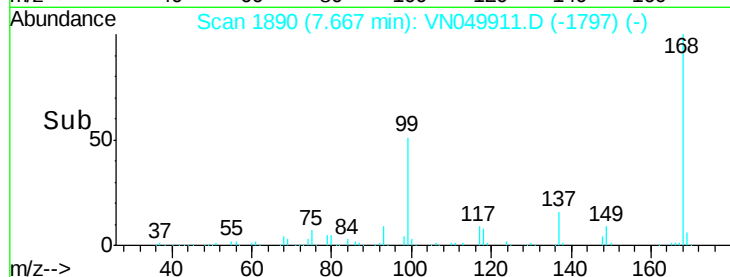
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.56 min Scan# 303

Delta R.T. 0.00 min

Lab File: VN049911.D

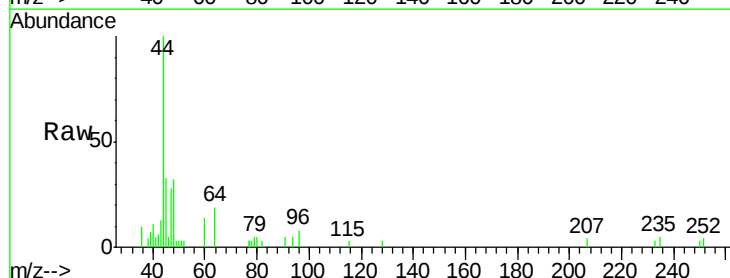
Acq: 19 Jul 2018 12:58

Tgt Ion: 94 Resp: 183

Ion Ratio Lower Upper

94 100

96 110.1 75.7 113.5



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.56

500

400

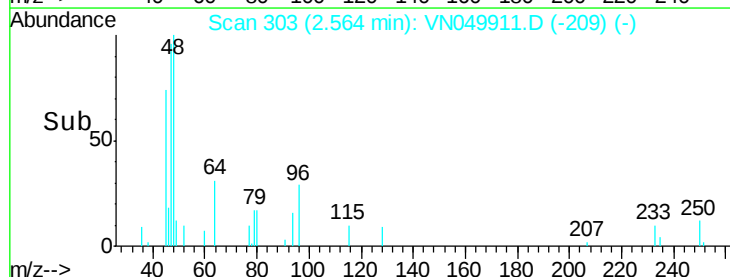
300

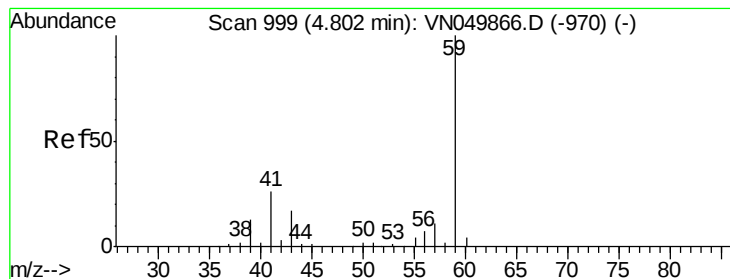
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100

0

Time-->



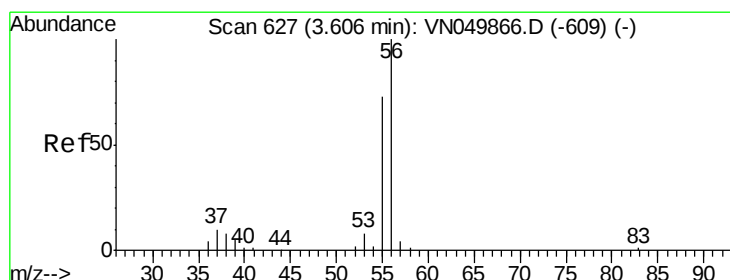
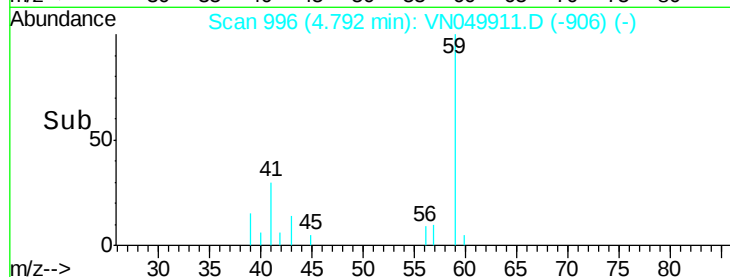
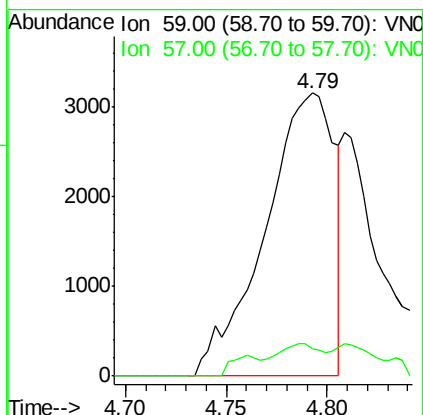
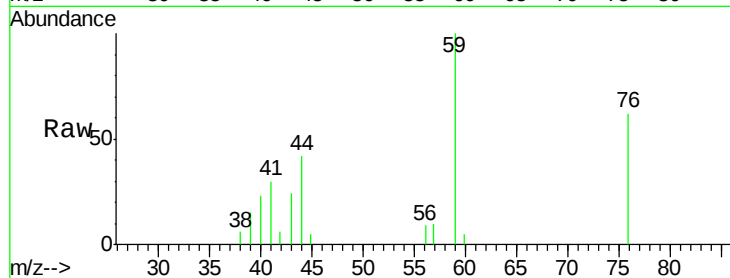


#11

Tert butyl alcohol
 Concen: 12.69 ug/l
 RT: 4.79 min Scan# 996
 Delta R.T. -0.01 min
 Lab File: VN049911.D
 Acq: 19 Jul 2018 12:58

Instrument :
 MSVOA_N
 ClientSampleId :
 SD-BASELINE-WATER

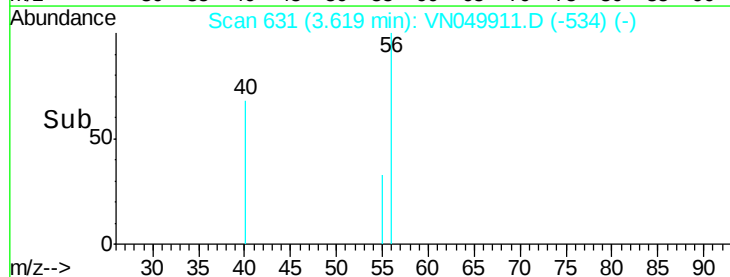
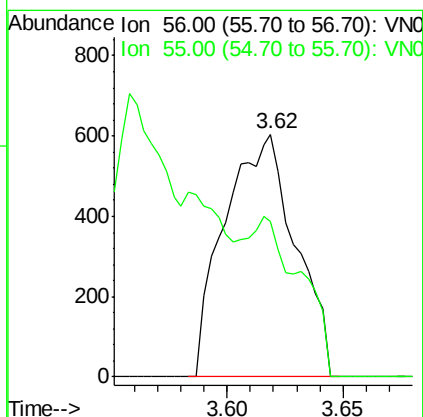
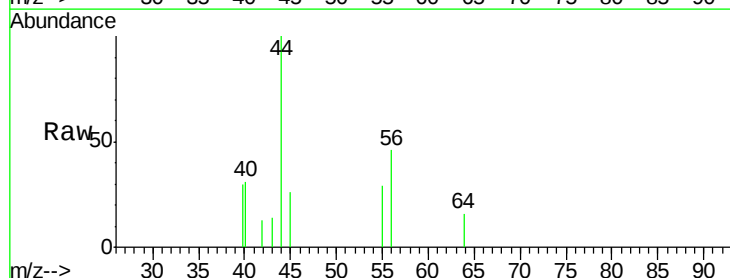
Tot Ion: 59 Resp: 7477
 Ion Ratio Lower Upper
 59 100
 57 5.0 8.5 12.7#

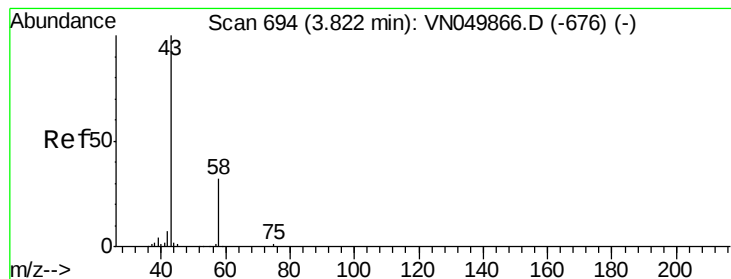


#13

Acrolein
 Concen: 3.37 ug/l
 RT: 3.62 min Scan# 631
 Delta R.T. 0.01 min
 Lab File: VN049911.D
 Acq: 19 Jul 2018 12:58

Tgt Ion: 56 Resp: 1280
 Ion Ratio Lower Upper
 56 100
 55 0.0 55.8 83.8#





#16

Acetone

Concen: 56.14 ug/l

RT: 3.82 min Scan# 694

Delta R.T. -0.00 min

Lab File: VN049911.D

Acq: 19 Jul 2018 12:58

Instrument :

MSVOA_N

ClientSampleId :

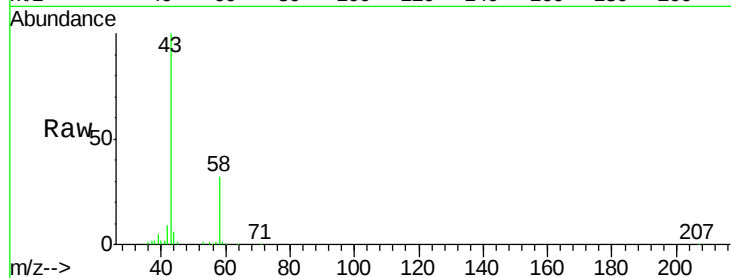
SD-BASELINE-WATER

Tot Ion: 43 Resp: 120238

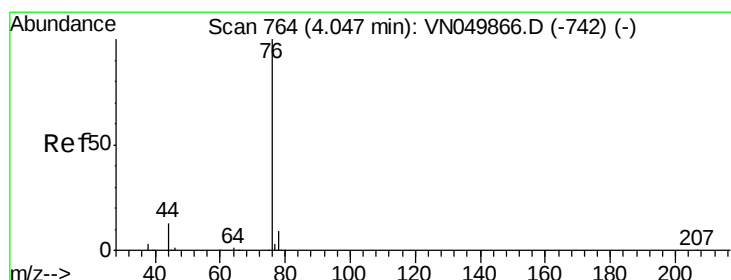
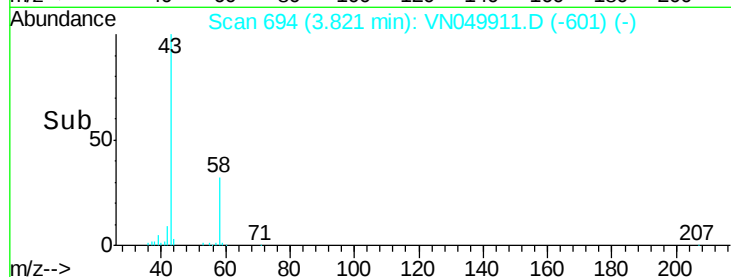
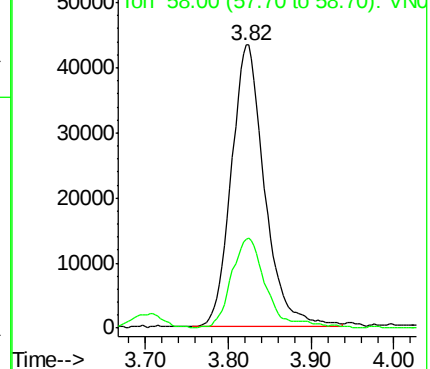
Ion Ratio Lower Upper

43 100

58 31.8 25.9 38.9



Abundance Ion 43.00 (42.70 to 43.70): VN049866.D (-676) (-)



#17

Carbon Disulfide

Concen: 8.22 ug/l

RT: 4.05 min Scan# 766

Delta R.T. 0.01 min

Lab File: VN049911.D

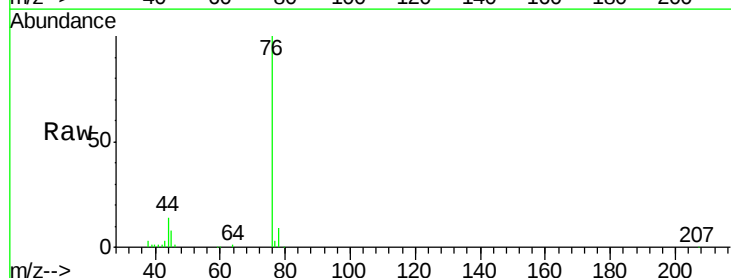
Acq: 19 Jul 2018 12:58

Tgt Ion: 76 Resp: 160488

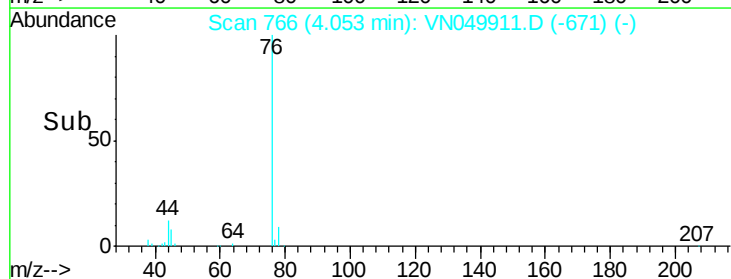
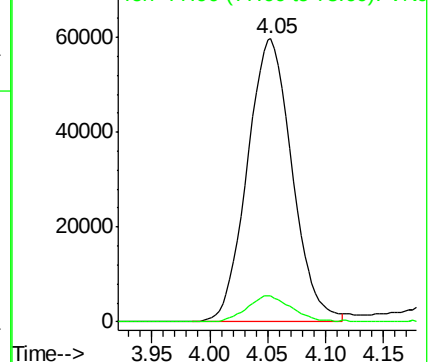
Ion Ratio Lower Upper

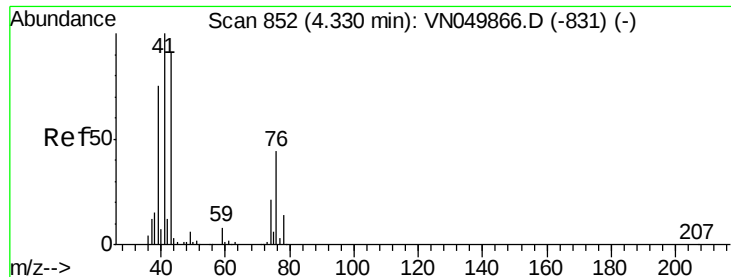
76 100

78 9.0 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VN049866.D (-742) (-)





#18

Methvl Acetate

Concen: 0.26 ug/l

RT: 4.33 min Scan# 853

Delta R.T. 0.00 min

Lab File: VN049911.D

Acq: 19 Jul 2018 12:58

Instrument :

MSVOA_N

ClientSampleId :

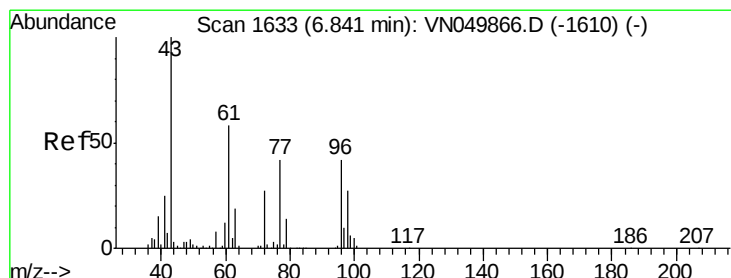
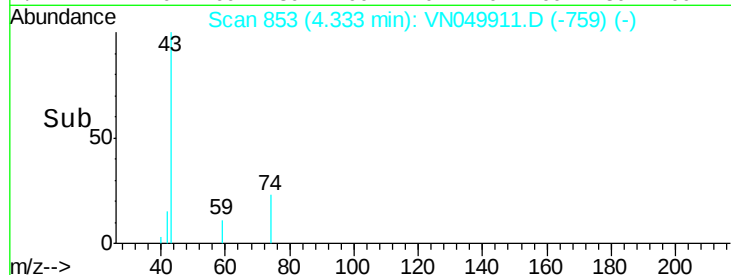
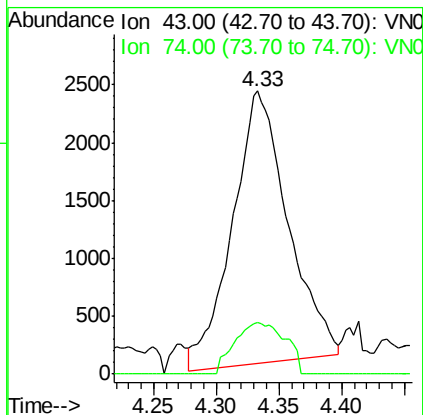
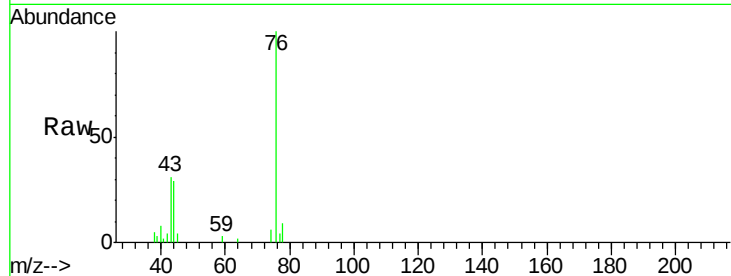
SD-BASELINE-WATER

Tot Ion: 43 Resp: 7274

Ion Ratio Lower Upper

43 100

74 17.3 19.8 29.8#



#25

2-Butanone

Concen: 11.95 ug/l

RT: 6.84 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VN049911.D

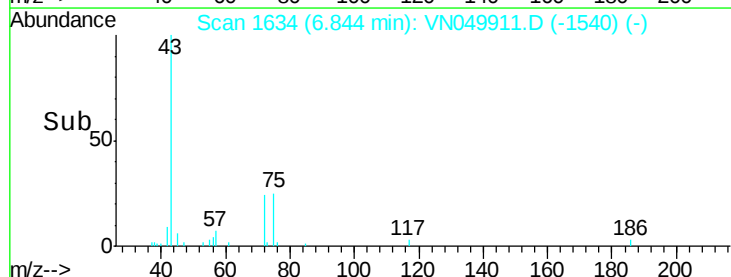
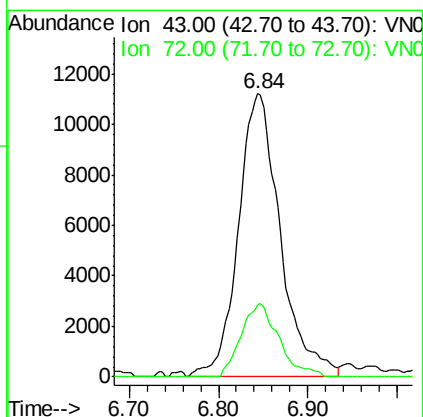
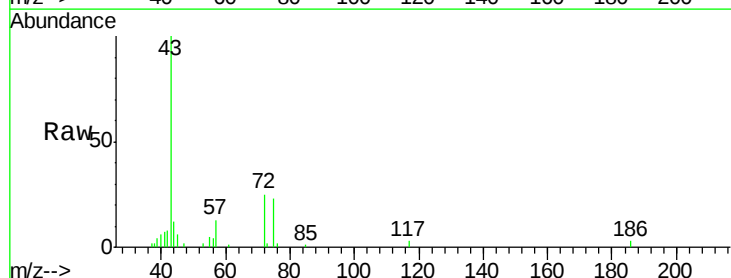
Acq: 19 Jul 2018 12:58

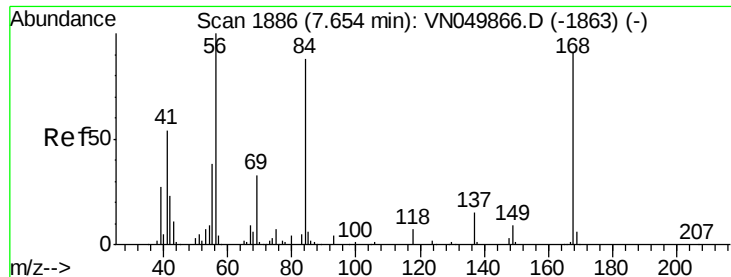
Tgt Ion: 43 Resp: 36593

Ion Ratio Lower Upper

43 100

72 25.4 22.1 33.1

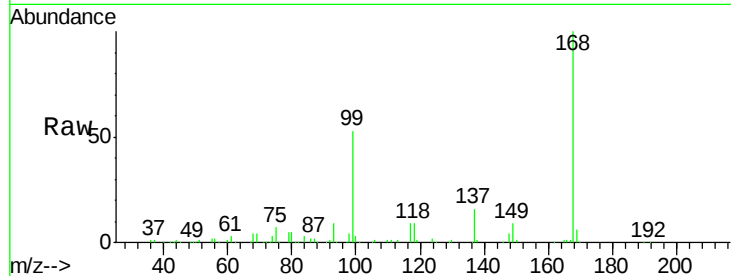




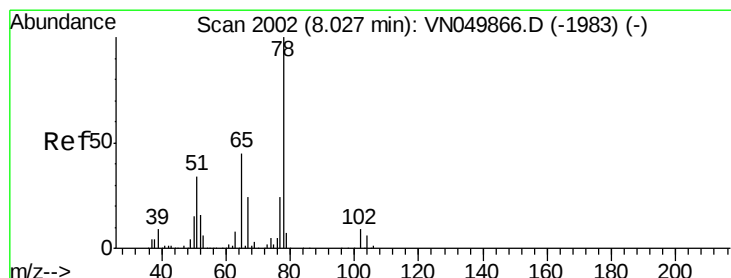
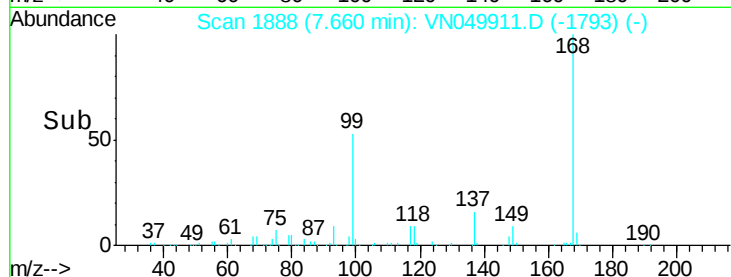
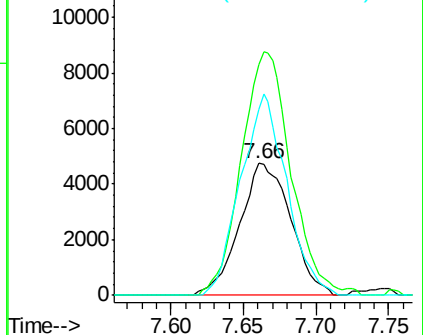
#31
Cyclohexane
Concen: 1.06 ug/l
RT: 7.66 min Scan# 1888
Delta R.T. 0.01 min
Lab File: VN049911.D
Acq: 19 Jul 2018 12:58

Instrument :
MSVOA_N
ClientSampleId :
SD-BASELINE-WATER

Tot Ion: 56 Resp: 11643
Ion Ratio Lower Upper
56 100
69 175.6 26.6 40.0#
84 141.6 69.0 103.6#

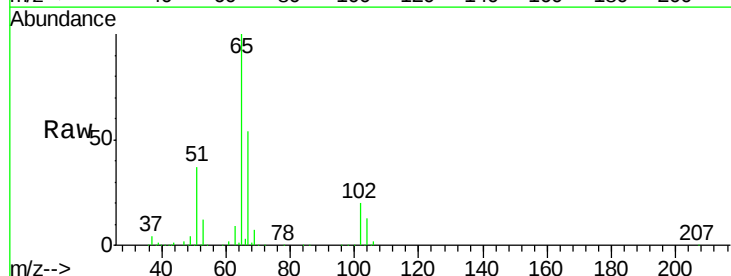


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

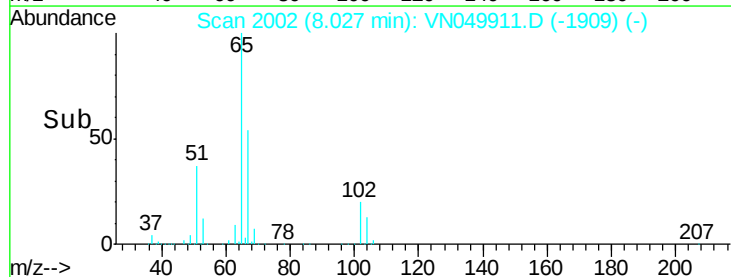
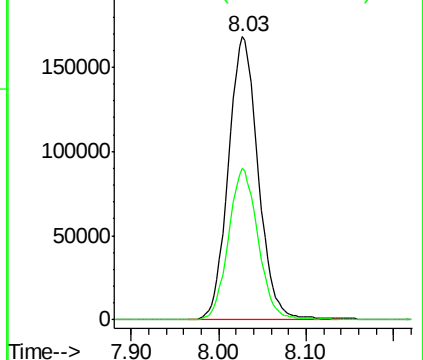


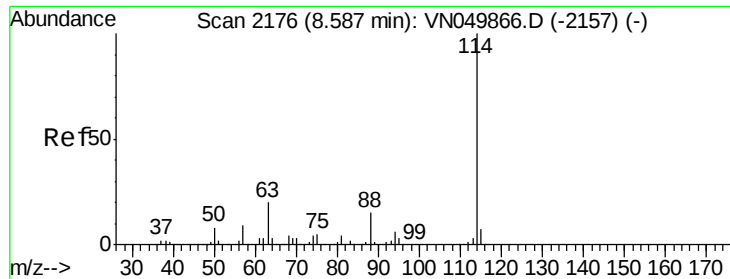
#33
1,2-Dichloroethane-d4
Concen: 48.13 ug/l
RT: 8.03 min Scan# 2002
Delta R.T. -0.00 min
Lab File: VN049911.D
Acq: 19 Jul 2018 12:58

Tgt Ion: 65 Resp: 398152
Ion Ratio Lower Upper
65 100
67 53.0 0.0 107.2



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

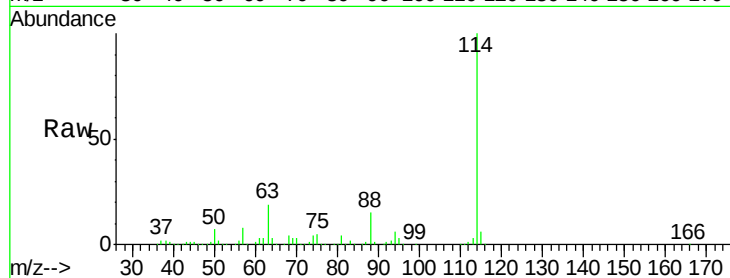




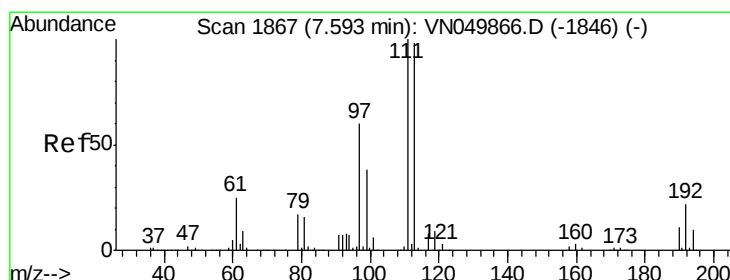
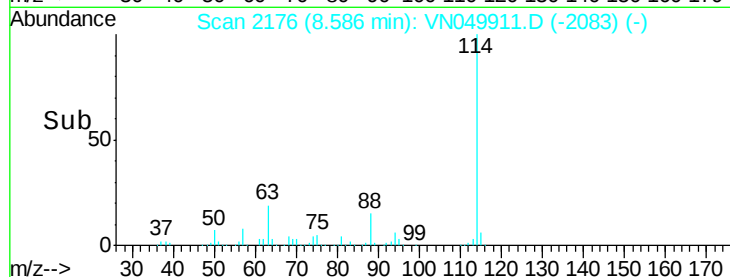
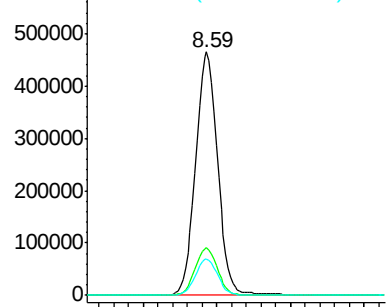
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN049911.D
 Acq: 19 Jul 2018 12:58

Instrument :
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 SD-BASELINE-WATER

Tot Ion:114 Resp: 970595
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 39.8
 88 15.1 0.0 30.6

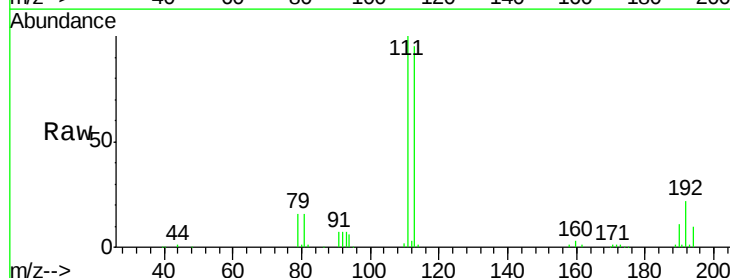


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

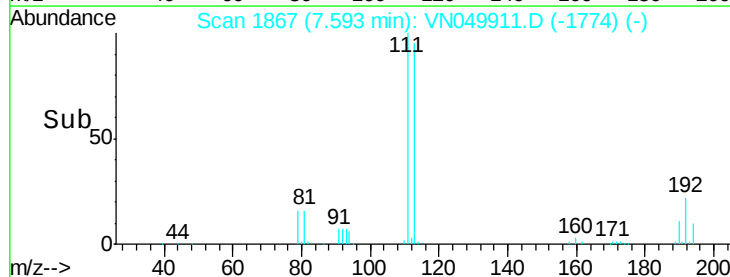
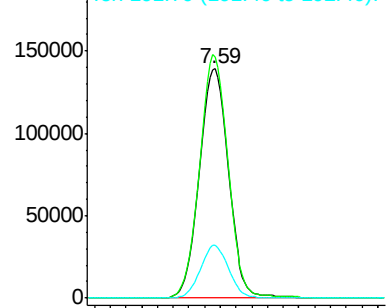


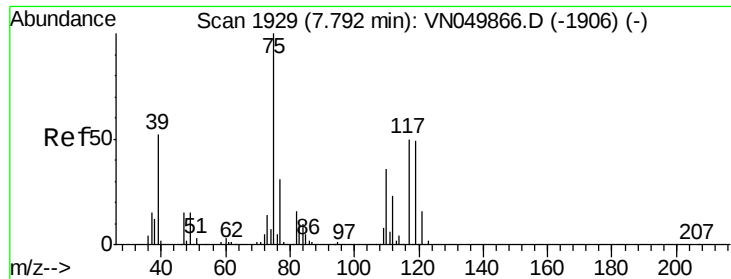
#35
 Dibromofluoromethane
 Concen: 44.03 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN049911.D
 Acq: 19 Jul 2018 12:58

Tgt Ion:113 Resp: 358739
 Ion Ratio Lower Upper
 113 100
 111 103.5 81.8 122.8
 192 22.3 17.8 26.6



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

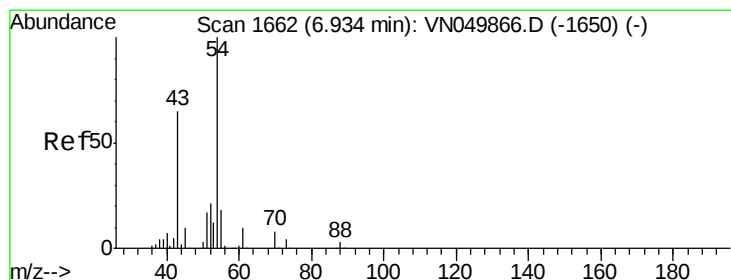
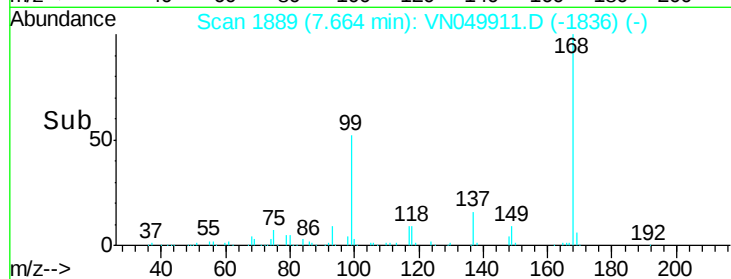
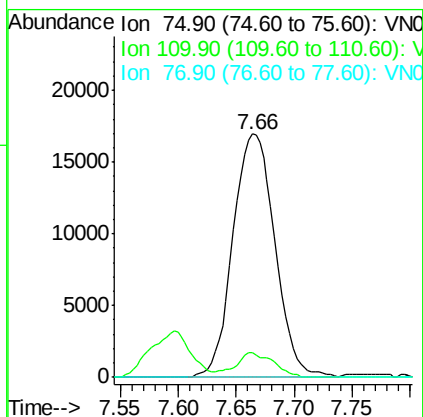
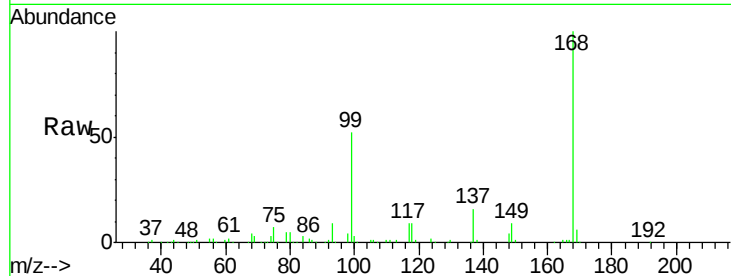




#36
 1,1-Dichloropropene
 Concen: 3.96 ug/l
 RT: 7.66 min Scan# 1889
 Delta R.T. -0.13 min
 Lab File: VN049911.D
 Acq: 19 Jul 2018 12:58

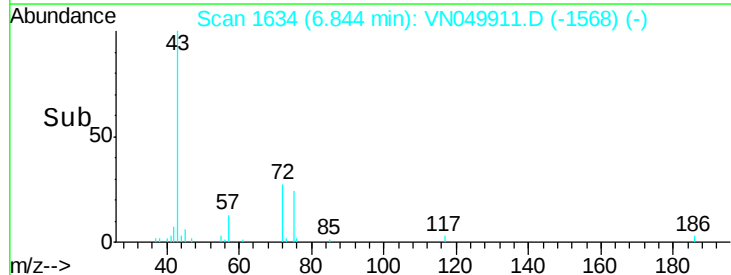
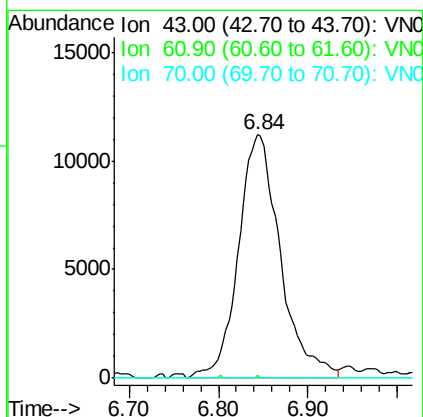
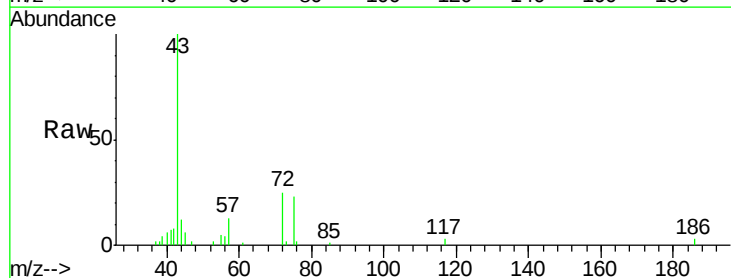
Instrument :
 MSVOA_N
 ClientSampleId :
 SD-BASELINE-WATER

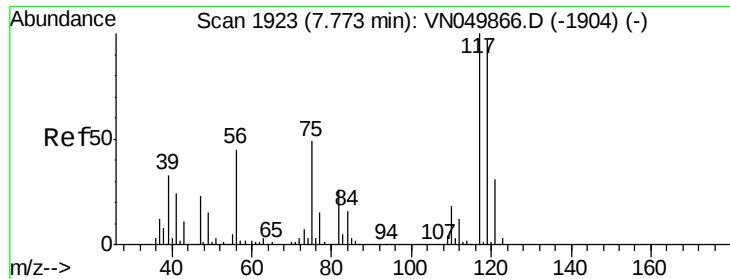
Tot Ion: 75 Resp: 42691
 Ion Ratio Lower Upper
 75 100
 110 9.2 18.1 54.4#
 77 0.0 24.9 37.3#



#37
 Ethyl Acetate
 Concen: 4.94 ug/l
 RT: 6.84 min Scan# 1634
 Delta R.T. -0.09 min
 Lab File: VN049911.D
 Acq: 19 Jul 2018 12:58

Tgt Ion: 43 Resp: 36593
 Ion Ratio Lower Upper
 43 100
 61 0.1 11.7 17.5#
 70 0.0 8.4 12.6#





#38

Carbon Tetrachloride

Concen: 4.64 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.11 min

Lab File: VN049911.D

Acq: 19 Jul 2018 12:58

Instrument :

MSVOA_N

ClientSampleId :

SD-BASELINE-WATER

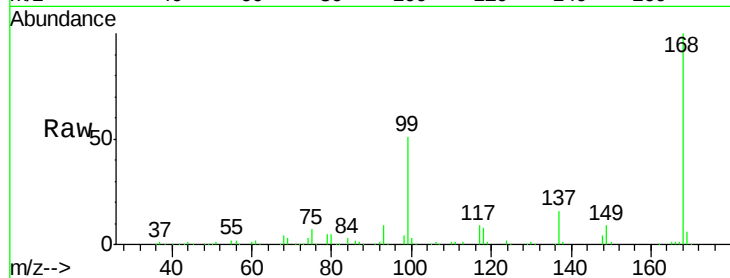
Tot Ion:117 Resp: 53616

Ion Ratio Lower Upper

117 100

119 5.8 77.2 115.8#

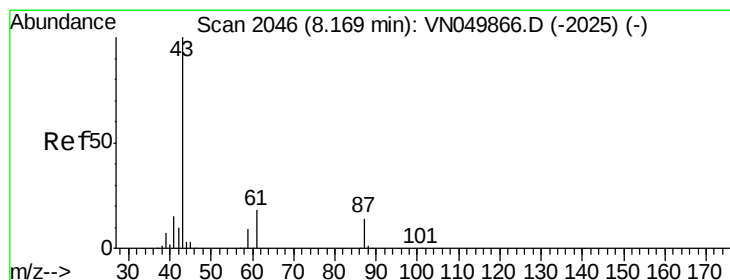
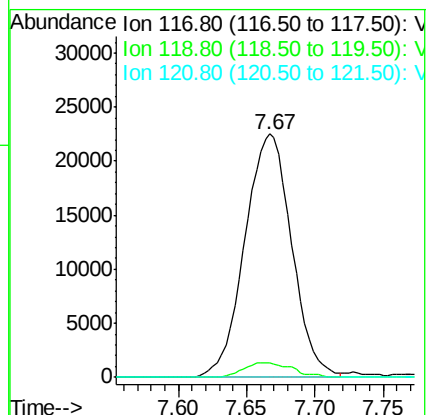
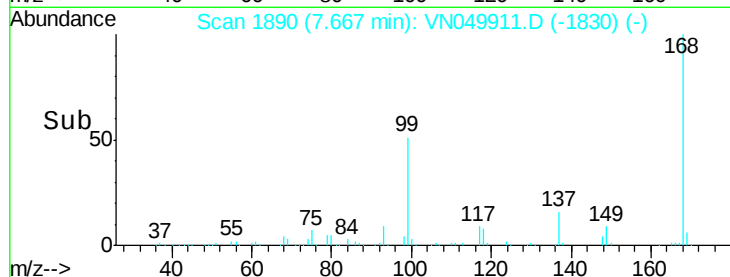
121 0.0 25.0 37.6#



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: 10.98 ug/l

RT: 8.27 min Scan# 2078

Delta R.T. 0.10 min

Lab File: VN049911.D

Acq: 19 Jul 2018 12:58

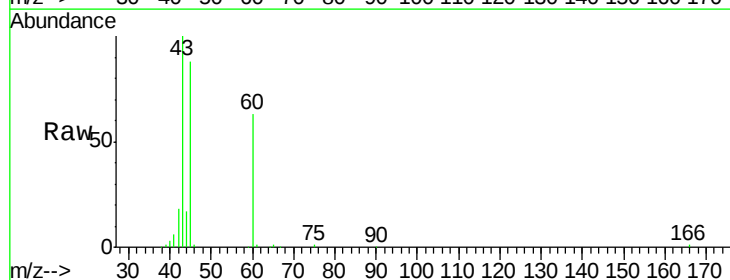
Tgt Ion: 43 Resp: 142216

Ion Ratio Lower Upper

43 100

61 0.2 14.9 22.3#

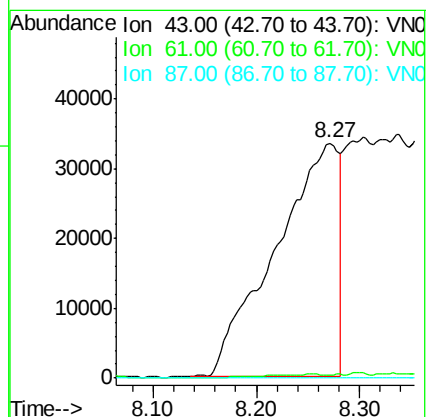
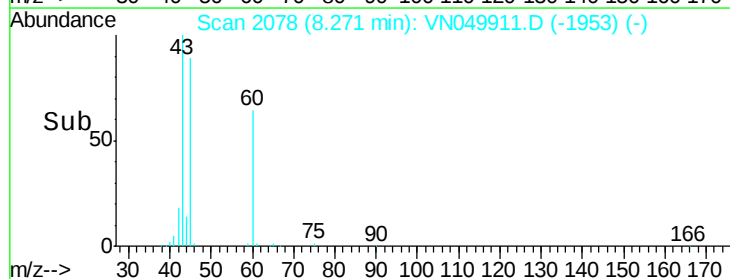
87 0.0 10.0 15.0#

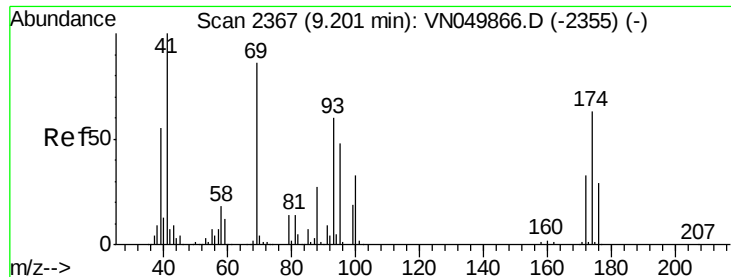


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V

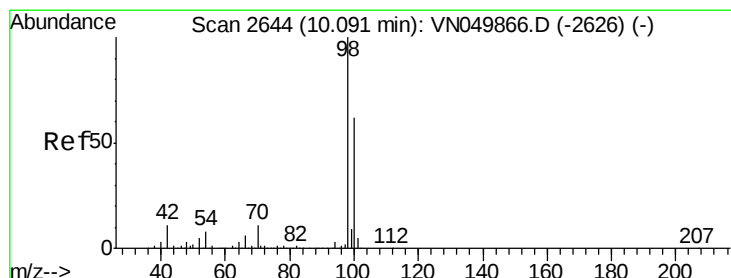
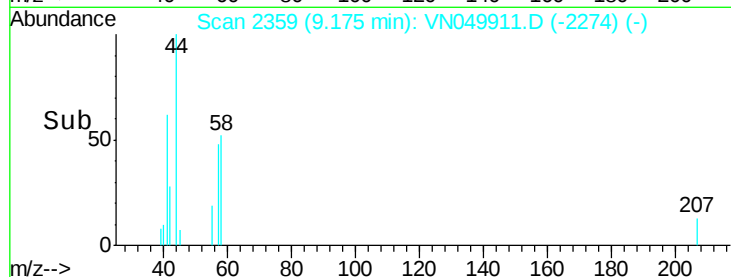
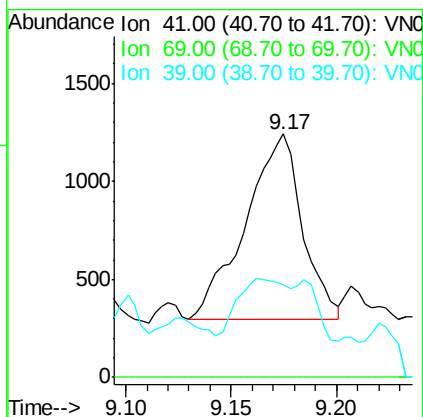
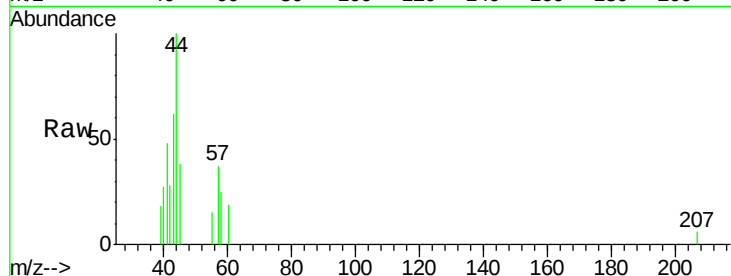




#48
Methvl methacrylate
Concen: 0.27 ug/l
RT: 9.17 min Scan# 2359
Delta R.T. -0.03 min
Lab File: VN049911.D
Acq: 19 Jul 2018 12:58

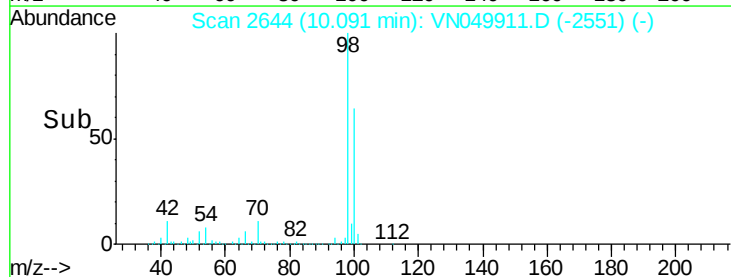
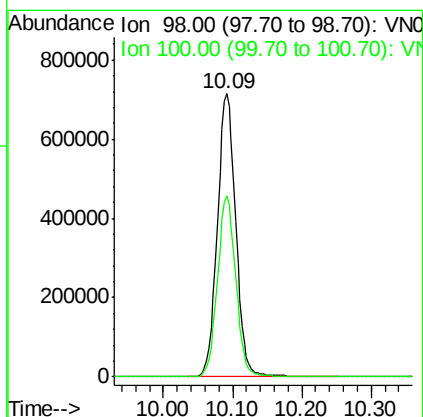
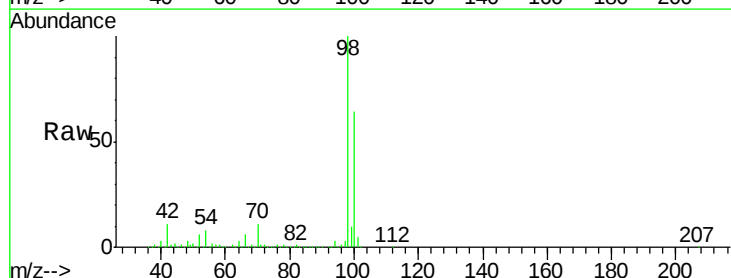
Instrument :
MSVOA_N
ClientSampleId :
SD-BASELINE-WATER

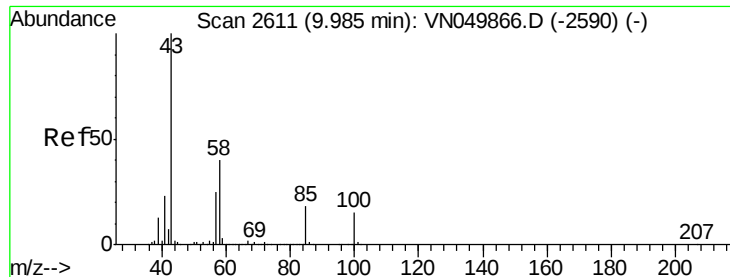
Tot Ion: 41 Resp: 1774
Ion Ratio Lower Upper
41 100
69 0.0 71.5 107.3#
39 26.6 44.7 67.1#



#50
Toluene-d8
Concen: 44.34 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VN049911.D
Acq: 19 Jul 2018 12:58

Tgt Ion: 98 Resp: 1316378
Ion Ratio Lower Upper
98 100
100 63.4 51.7 77.5





#51

4-Methyl-2-Pentanone

Concen: 1.80 ug/l

RT: 9.99 min Scan# 2611

Delta R.T. -0.00 min

Lab File: VN049911.D

Acq: 19 Jul 2018 12:58

Instrument :

MSVOA_N

ClientSampleId :

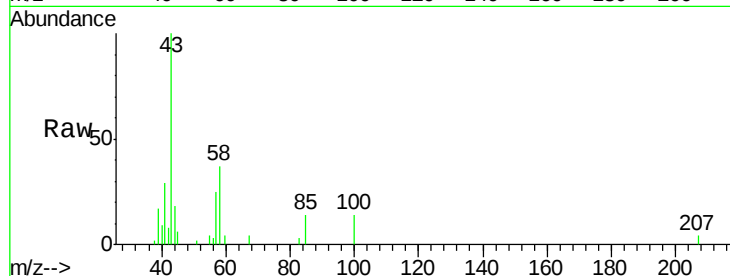
SD-BASELINE-WATER

Tot Ion: 43 Resp: 13042

Ion Ratio Lower Upper

43 100

58 34.1 31.8 47.8



Abundance Ion 43.00 (42.70 to 43.70): VN049866.D (-2590) (-)

Ion 58.00 (57.70 to 58.70): VN049866.D (-2590) (-)

9.99

6000

4000

2000

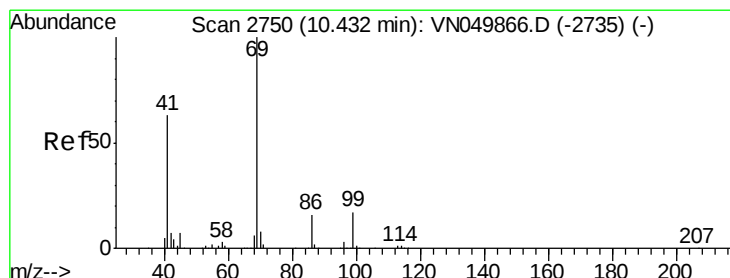
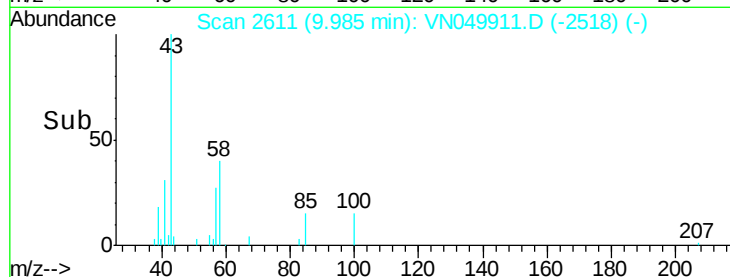
0

Time-->

9.95

10.00

10.05



#56

Ethyl methacrylate

Concen: 2.17 ug/l

RT: 10.43 min Scan# 2749

Delta R.T. -0.00 min

Lab File: VN049911.D

Acq: 19 Jul 2018 12:58

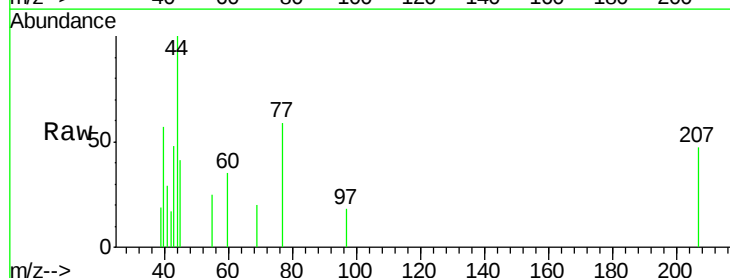
Tgt Ion: 69 Resp: 177

Ion Ratio Lower Upper

69 100

41 0.0 51.6 77.4#

39 141.8 25.8 38.8#



Abundance Ion 69.00 (68.70 to 69.70): VN049866.D (-2735) (-)

Ion 41.00 (40.70 to 41.70): VN049866.D (-2735) (-)

Ion 39.00 (38.70 to 39.70): VN049866.D (-2735) (-)

500

400

300

200

100

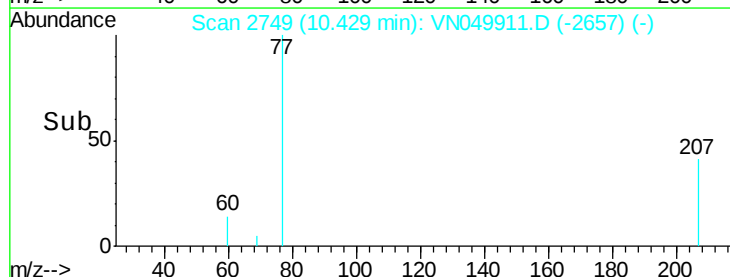
0

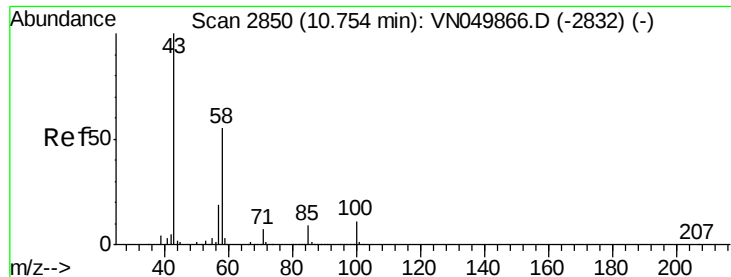
Time-->

10.42

10.43

10.44

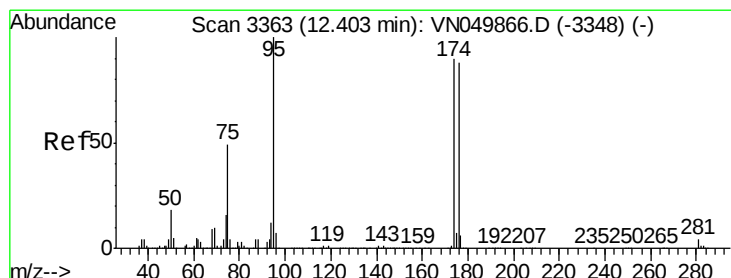
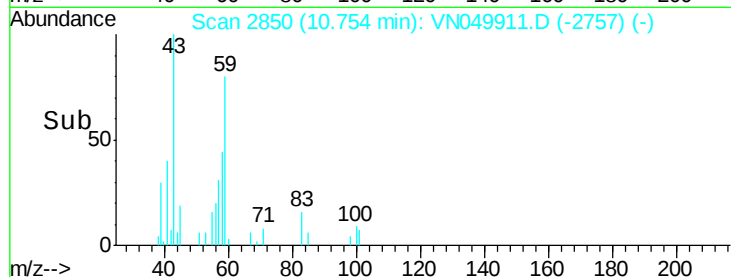
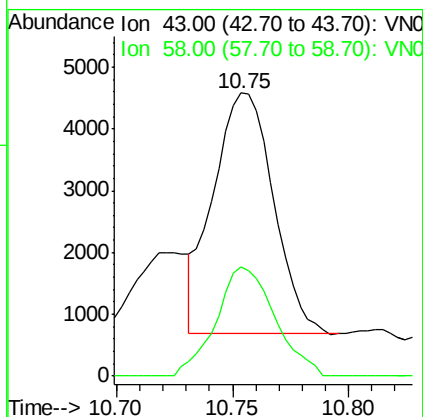
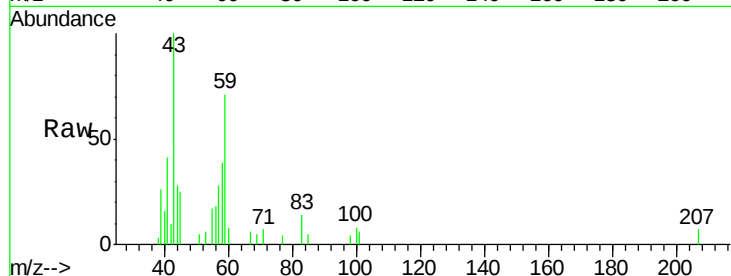




#59
2-Hexanone
Concen: 1.44 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. -0.00 min
Lab File: VN049911.D
Acq: 19 Jul 2018 12:58

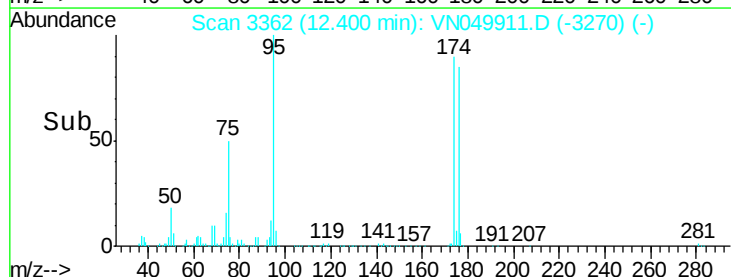
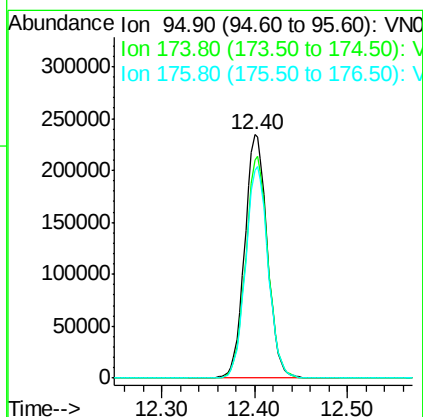
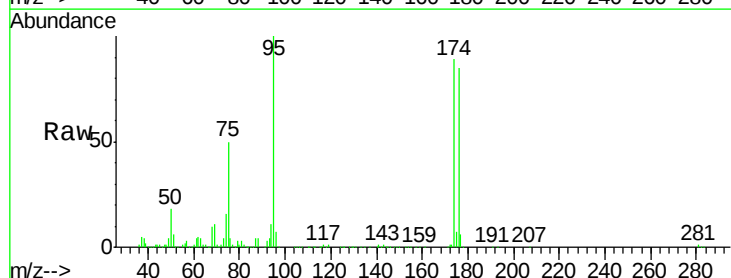
Instrument :
MSVOA_N
ClientSampleId :
SD-BASELINE-WATER

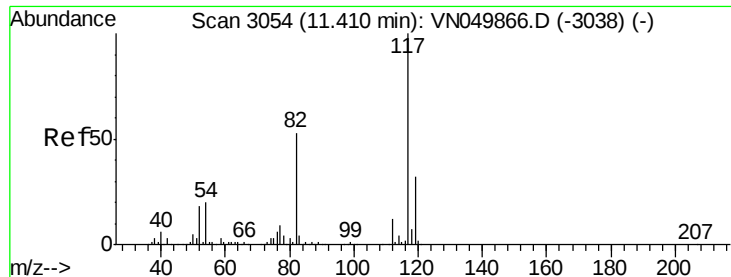
Tot Ion: 43 Resp: 7024
Ion Ratio Lower Upper
43 100
58 44.4 27.8 83.4



#62
4-Bromofluorobenzene
Concen: 38.73 ug/l
RT: 12.40 min Scan# 3362
Delta R.T. -0.00 min
Lab File: VN049911.D
Acq: 19 Jul 2018 12:58

Tgt Ion: 95 Resp: 395980
Ion Ratio Lower Upper
95 100
174 90.1 0.0 179.6
176 86.5 0.0 174.0

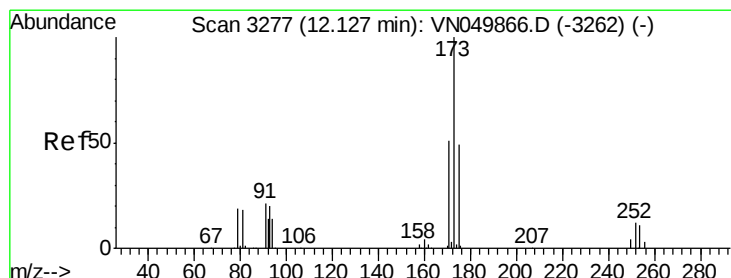
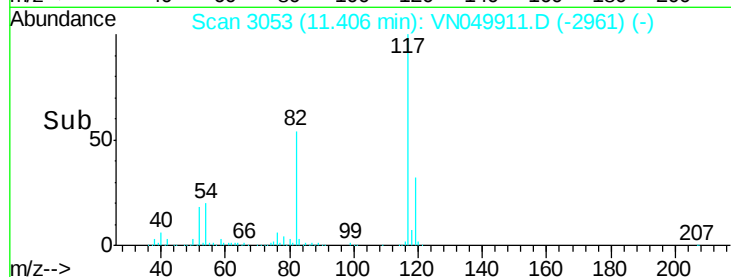
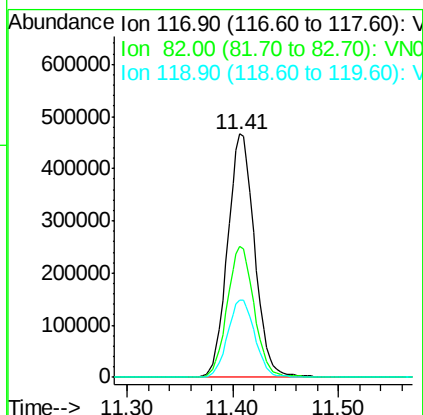
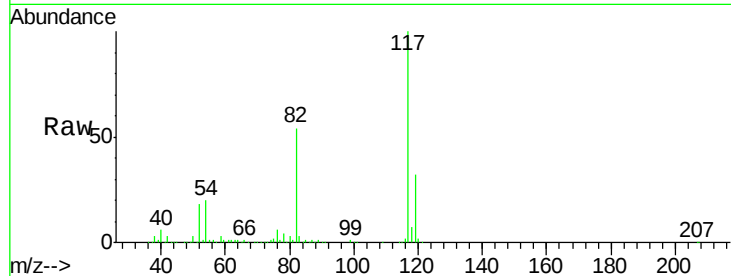




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3053
Delta R.T. -0.00 min
Lab File: VN049911.D
Acq: 19 Jul 2018 12:58

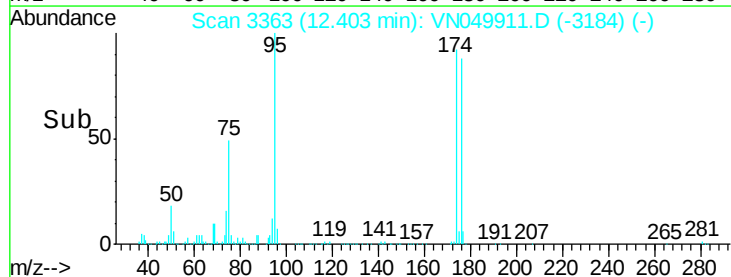
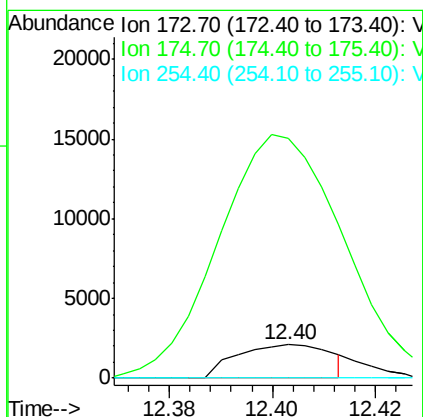
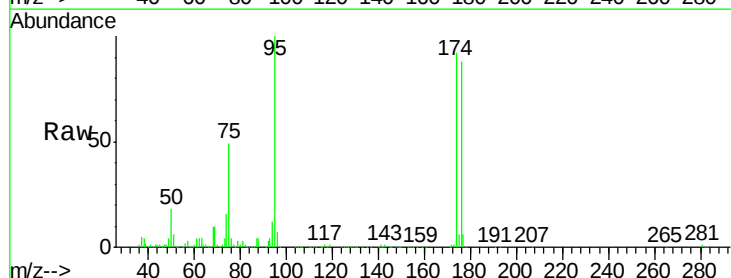
Instrument :
MSVOA_N
ClientSampleId :
SD-BASELINE-WATER

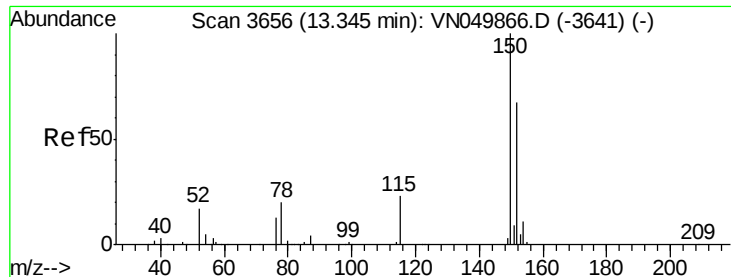
Tot Ion:117 Resp: 821471
Ion Ratio Lower Upper
117 100
82 53.8 41.9 62.9
119 32.0 25.4 38.2



#71
Bromoform
Concen: 0.47 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.28 min
Lab File: VN049911.D
Acq: 19 Jul 2018 12:58

Tgt Ion:173 Resp: 2663
Ion Ratio Lower Upper
173 100
175 837.7 24.6 73.8#
254 0.0 0.2 0.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. -0.00 min

Lab File: VN049911.D

Acq: 19 Jul 2018 12:58

Instrument :

MSVOA_N

ClientSampleId :

SD-BASELINE-WATER

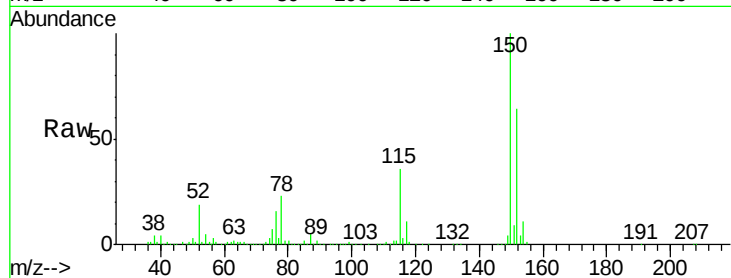
Tot Ion:152 Resp: 349717

Ion Ratio Lower Upper

152 100

115 56.5 28.1 84.2

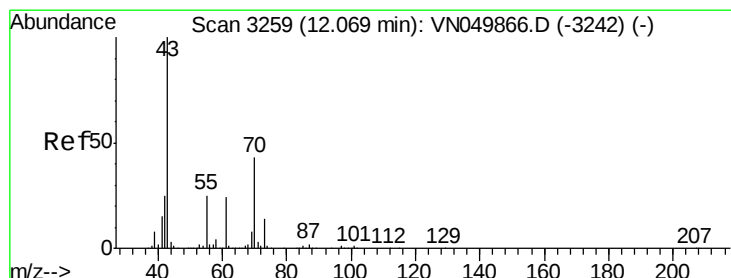
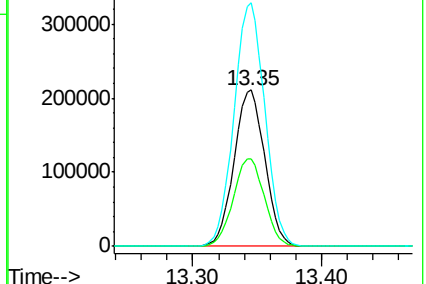
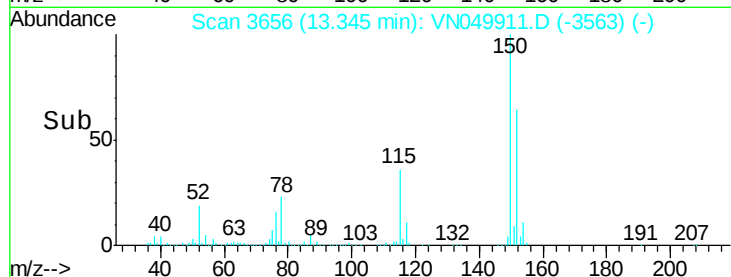
150 156.2 0.0 347.6



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



#74

N-ethyl acetate

Concen: 0.40 ug/l

RT: 12.11 min Scan# 3273

Delta R.T. 0.04 min

Lab File: VN049911.D

Acq: 19 Jul 2018 12:58

Tgt Ion: 43 Resp: 3242

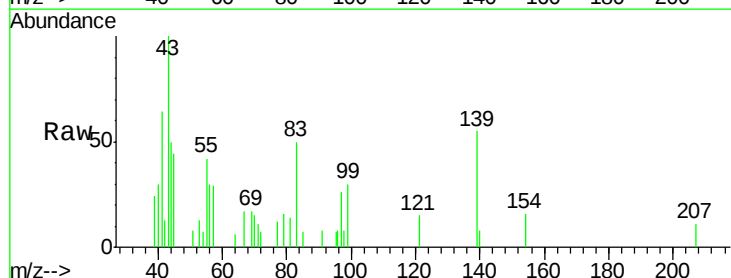
Ion Ratio Lower Upper

43 100

70 5.6 34.8 52.2#

55 39.2 20.9 31.3#

61 0.0 19.9 29.9#

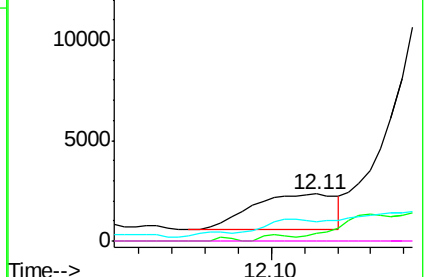
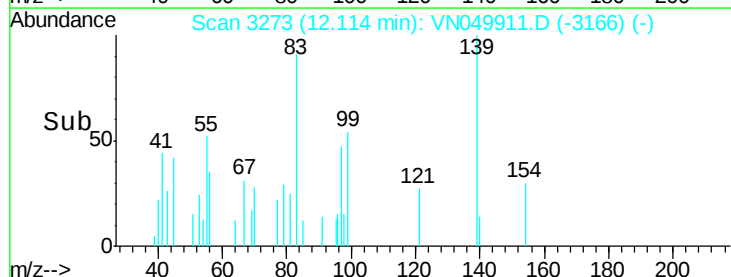


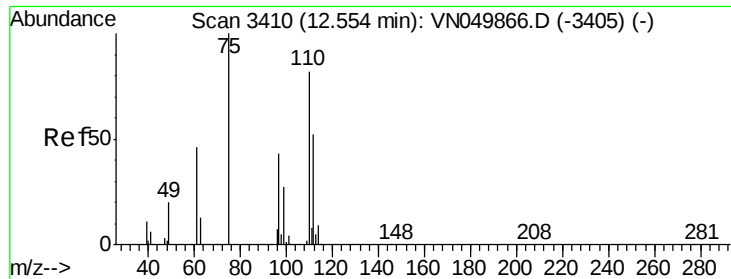
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#76

1,2,3-Trichloropropane

Concen: 29.96 ug/l

RT: 12.40 min Scan# 3362

Delta R.T. -0.15 min

Lab File: VN049911.D

Acq: 19 Jul 2018 12:58

Instrument :

MSVOA_N

ClientSampleId :

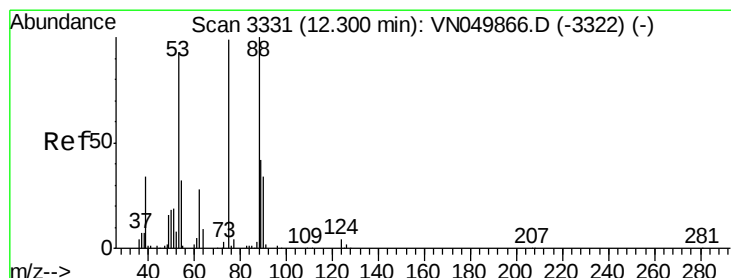
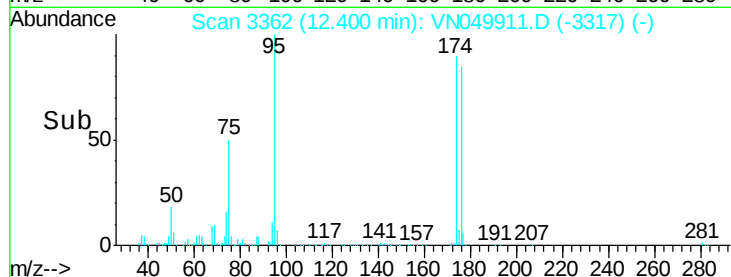
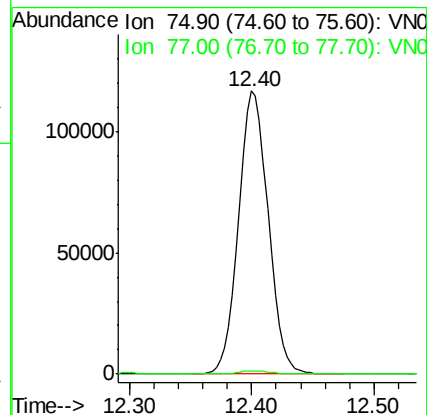
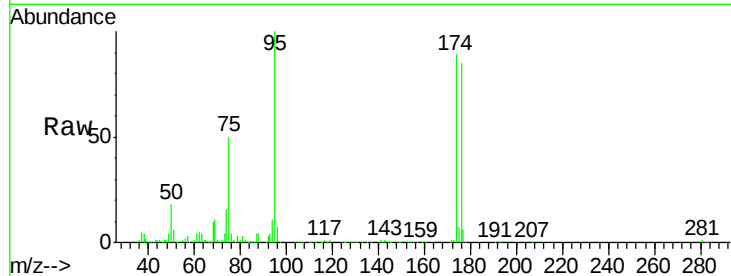
SD-BASELINE-WATER

Tot Ion: 75 Resp: 196554

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 93.69 ug/l

RT: 12.40 min Scan# 3362

Delta R.T. 0.10 min

Lab File: VN049911.D

Acq: 19 Jul 2018 12:58

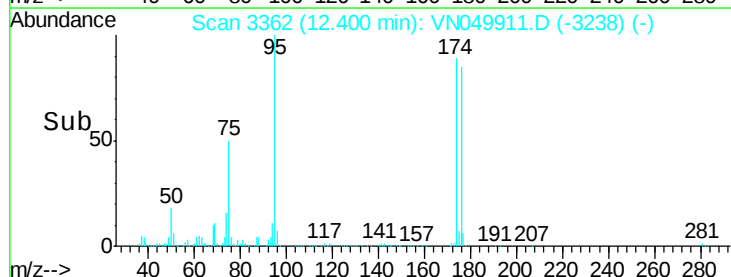
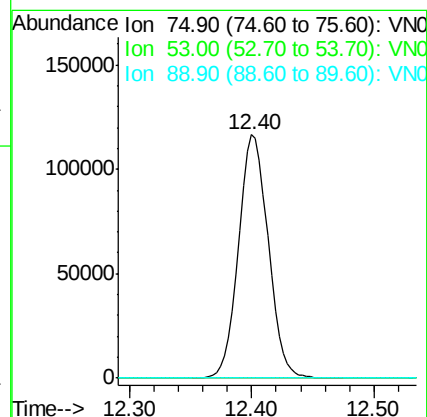
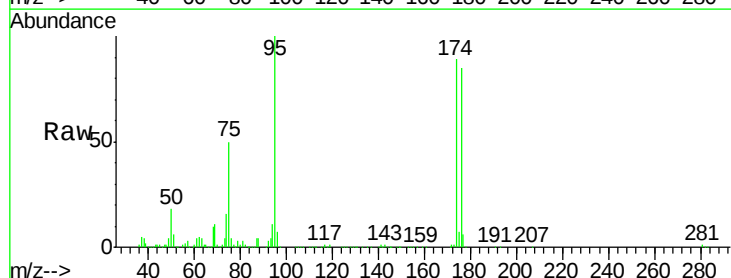
Tgt Ion: 75 Resp: 196554

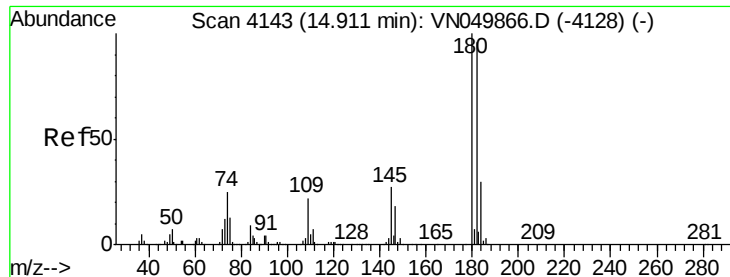
Ion Ratio Lower Upper

75 100

53 0.2 73.9 110.9#

89 0.0 35.9 53.9#

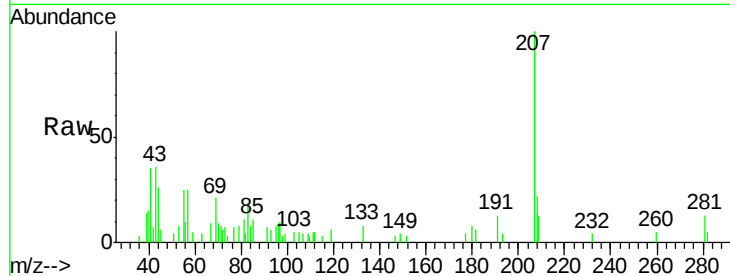




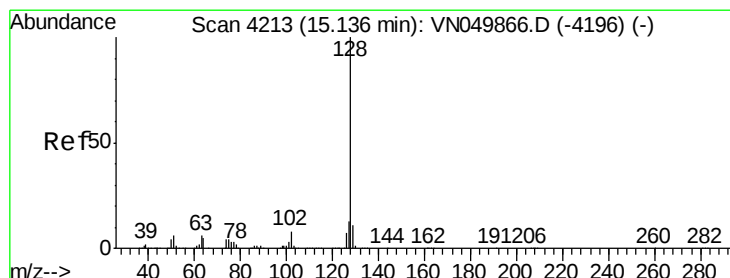
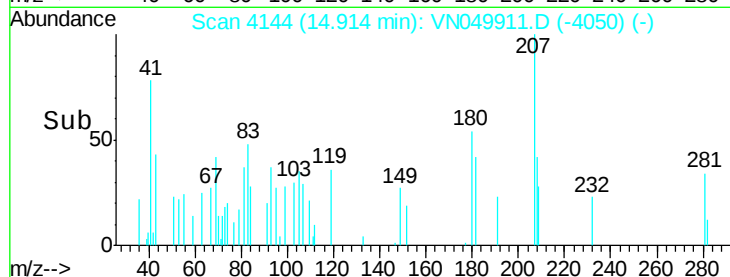
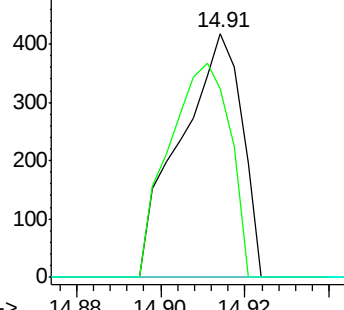
#93
 1,2,4-Trichlorobenzene
 Concen: 3.53 ug/l
 RT: 14.91 min Scan# 4144
 Delta R.T. 0.00 min
 Lab File: VN049911.D
 Acq: 19 Jul 2018 12:58

Instrument :
 MSVOA_N
 ClientSampleId :
 SD-BASELINE-WATER

Tot Ion:180 Resp: 421
 Ion Ratio Lower Upper
 180 100
 182 87.4 47.3 141.9
 145 0.0 14.4 43.0#

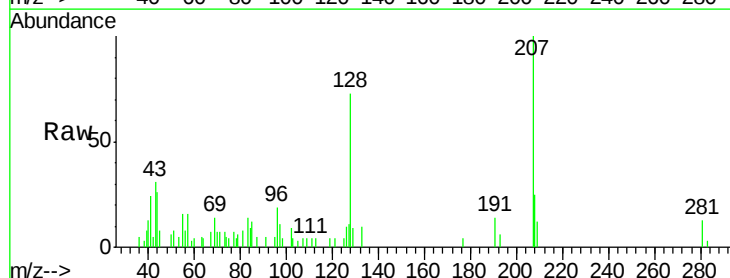


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V



#95
 Naphthalene
 Concen: 4.83 ug/l
 RT: 15.13 min Scan# 4212
 Delta R.T. -0.00 min
 Lab File: VN049911.D
 Acq: 19 Jul 2018 12:58

Tgt Ion:128 Resp: 6077
 Ion Ratio Lower Upper
 128 100
 127 13.6 10.4 15.6
 129 11.2 8.6 13.0



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

