

Data File : VN057063.D
Acq On : 2 Aug 2019 13:55
Operator : JC/SP
Sample : K4139-03
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

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

Quant Time: Aug 03 04:23:47 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072719W.M
Quant Title : SW846 8260
QLast Update : Sat Jul 27 01:33:29 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	559678	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	805623	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	649186	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	169399	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	273618	47.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.52%	
35) Dibromofluoromethane	7.58	113	247781	48.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.08%	
50) Toluene-d8	10.08	98	932813	47.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.86%	
62) 4-Bromofluorobenzene	12.40	95	241242	37.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	75.36%	

Target Compounds

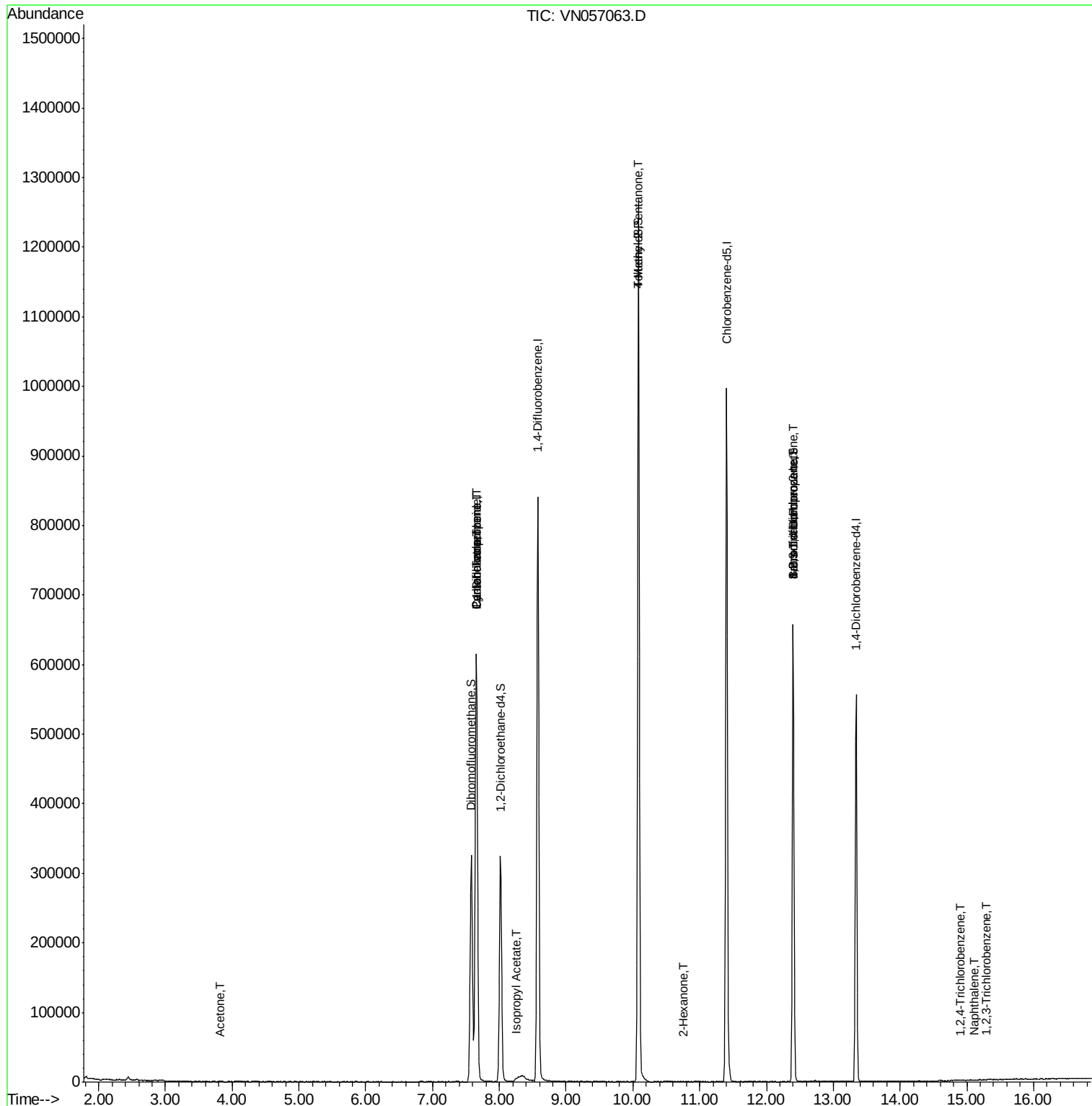
						Qvalue
16) Acetone	3.82	43	1263	0.609	ug/l	90
31) Cyclohexane	7.66	56	8803	0.935	ug/l #	1
36) 1,1-Dichloropropene	7.65	75	33226	4.687	ug/l #	49
38) Carbon Tetrachloride	7.65	117	46830	6.984	ug/l #	17
43) Isopropyl Acetate	8.25	43	2704	0.288	ug/l #	52
51) 4-Methyl-2-Pentanone	10.08	43	3388	0.608	ug/l #	1
59) 2-Hexanone	10.76	43	77	2.518	ug/l #	23
71) Bromoform	12.40	173	1660	0.477	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	109993	31.973	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	109993	102.727	ug/l #	15
93) 1,2,4-Trichlorobenzene	14.91	180	170	2.766	ug/l #	63
95) Naphthalene	15.12	128	286	3.625	ug/l #	70
96) 1,2,3-Trichlorobenzene	15.29	180	205	2.116	ug/l #	12

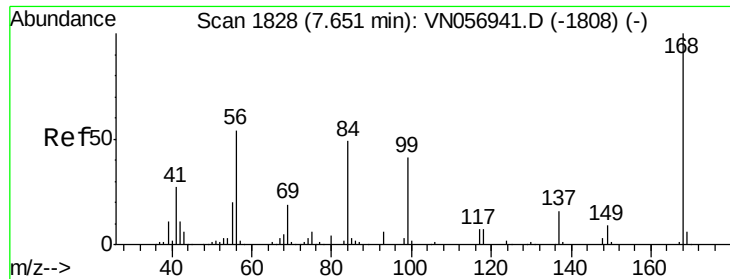
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.01 min

Lab File: VN057063.D

Acq: 2 Aug 2019 13:55

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MSVOA_N

ClientSampleId :

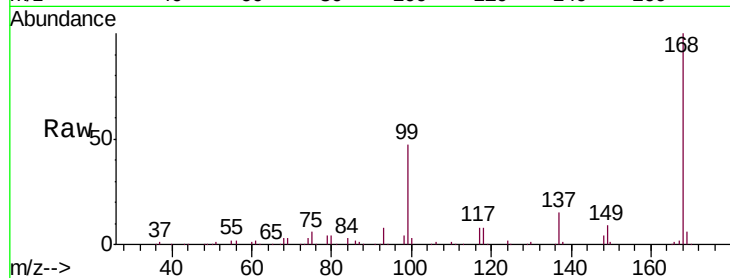
STORAGE-BLANK-WATER-REF-4

Tgt Ion:168 Resp: 559678

Ion Ratio Lower Upper

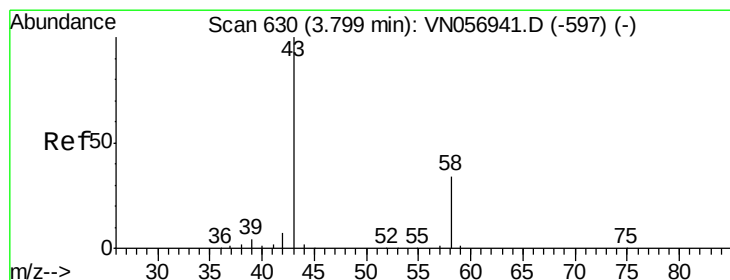
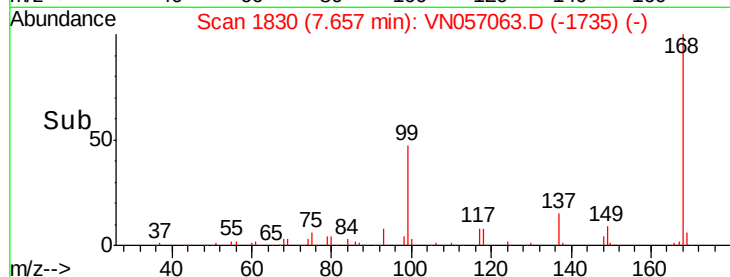
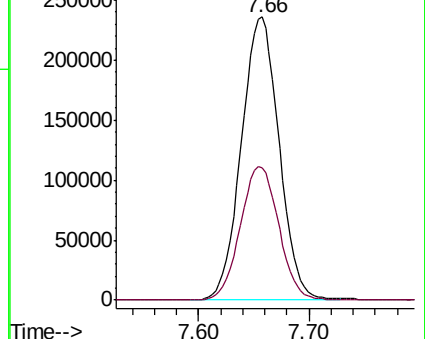
168 100

99 46.9 39.0 58.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#16

Acetone

Concen: 0.609 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.02 min

Lab File: VN057063.D

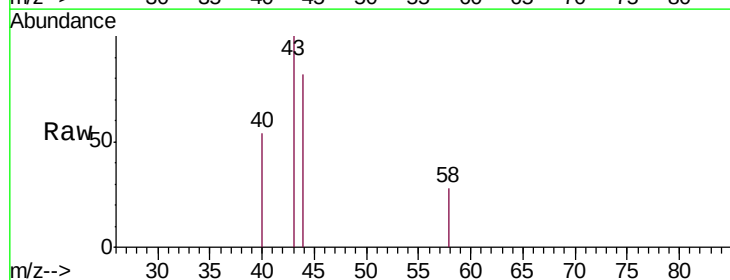
Acq: 2 Aug 2019 13:55

Tgt Ion: 43 Resp: 1263

Ion Ratio Lower Upper

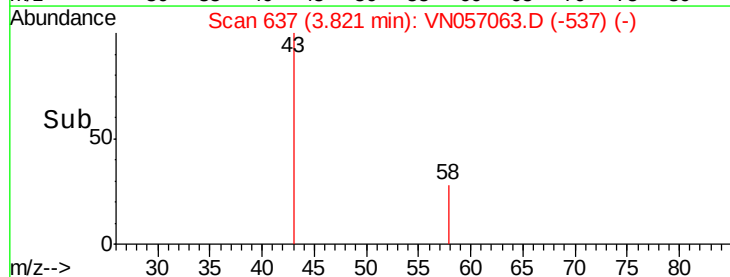
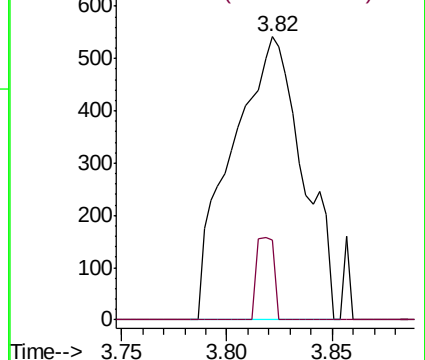
43 100

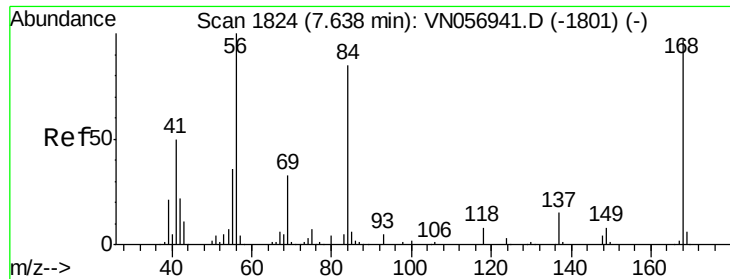
58 28.2 27.2 40.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

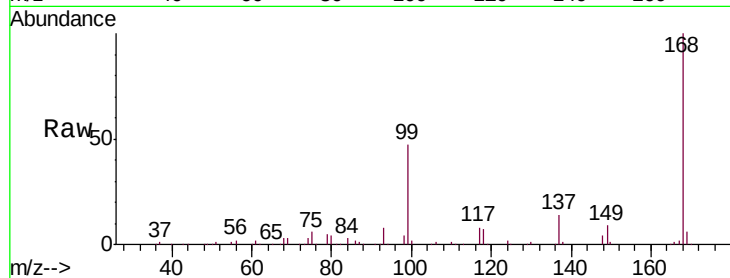




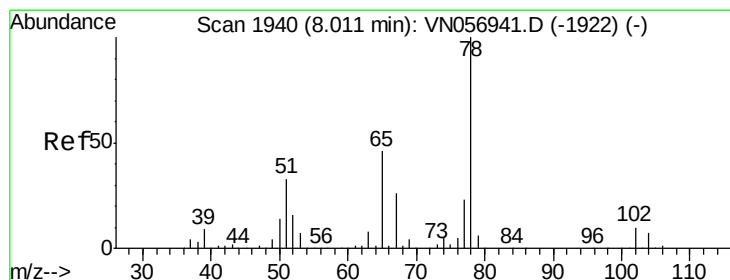
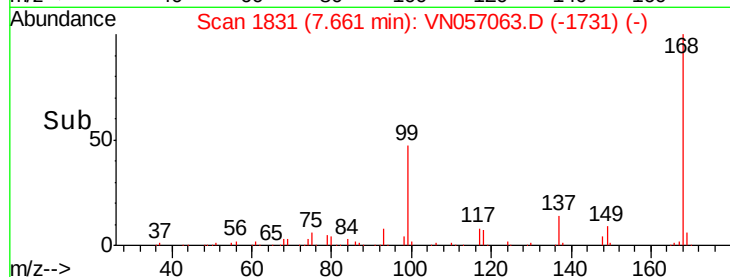
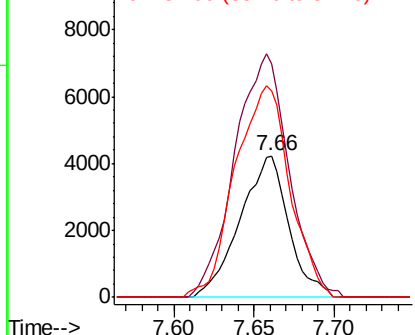
#31
Cyclohexane
Concen: 0.935 ug/l
RT: 7.66 min Scan# 1831
Delta R.T. 0.02 min
Lab File: VN057063.D
Acq: 2 Aug 2019 13:55

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

Tgt Ion: 56 Resp: 8803
Ion Ratio Lower Upper
56 100
69 165.1 26.2 39.2#
84 146.5 68.2 102.2#

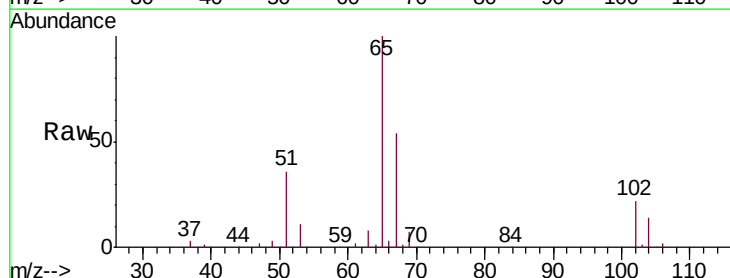


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

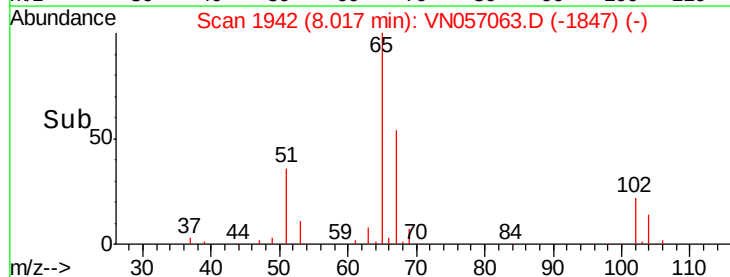
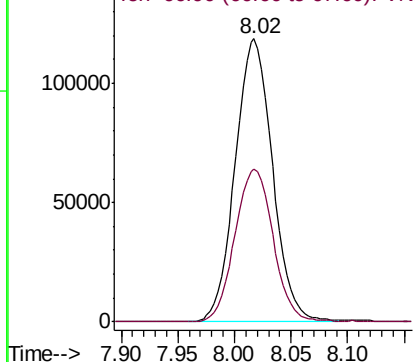


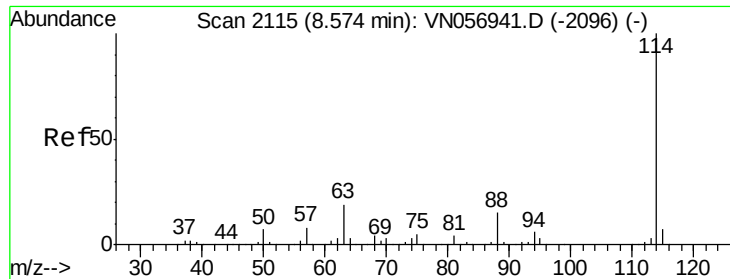
#33
1,2-Dichloroethane-d4
Concen: 47.759 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. 0.01 min
Lab File: VN057063.D
Acq: 2 Aug 2019 13:55

Tgt Ion: 65 Resp: 273618
Ion Ratio Lower Upper
65 100
67 55.2 0.0 112.0



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

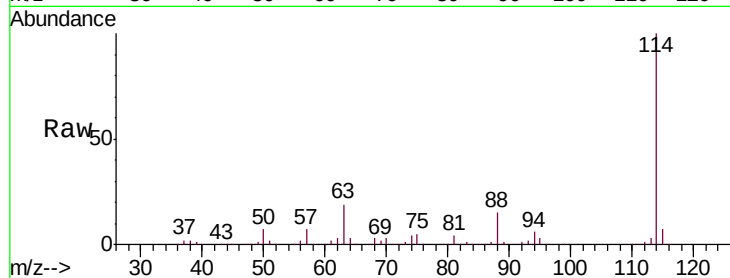




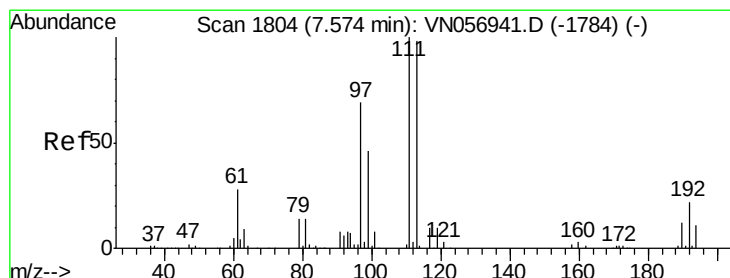
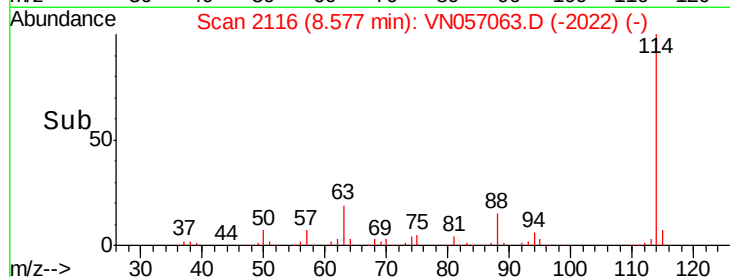
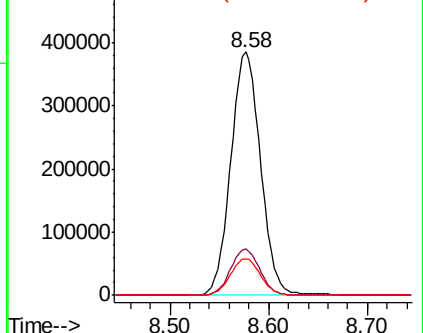
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN057063.D
 Acq: 2 Aug 2019 13:55

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

Tgt Ion:114 Resp: 805623
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 38.0
 88 15.1 0.0 30.0

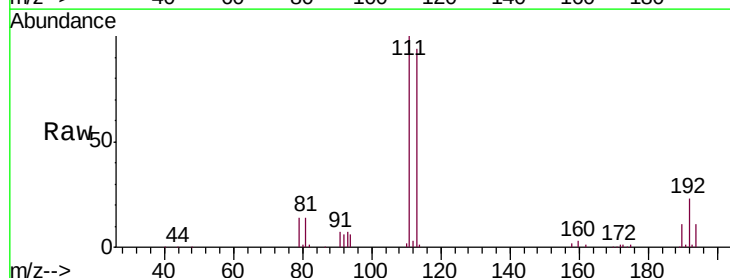


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

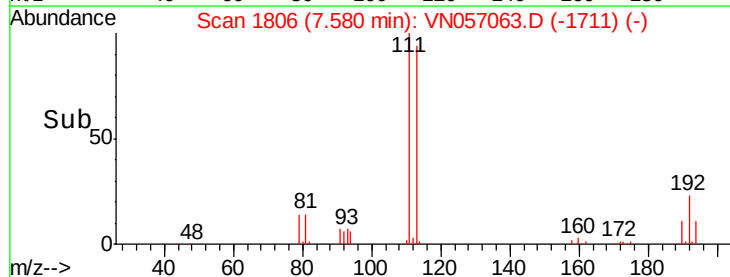
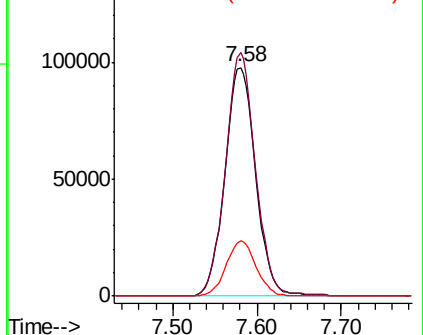


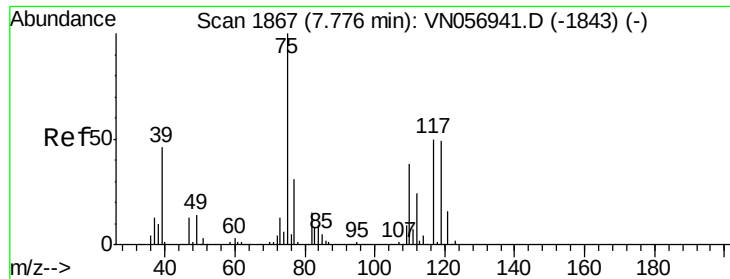
#35
 Dibromofluoromethane
 Concen: 48.044 ug/l
 RT: 7.58 min Scan# 1806
 Delta R.T. 0.01 min
 Lab File: VN057063.D
 Acq: 2 Aug 2019 13:55

Tgt Ion:113 Resp: 247781
 Ion Ratio Lower Upper
 113 100
 111 103.9 82.0 123.0
 192 23.7 18.4 27.6



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

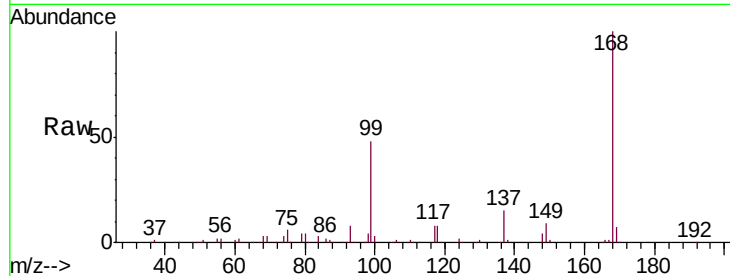




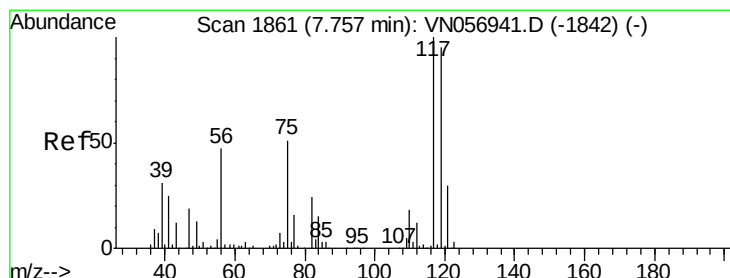
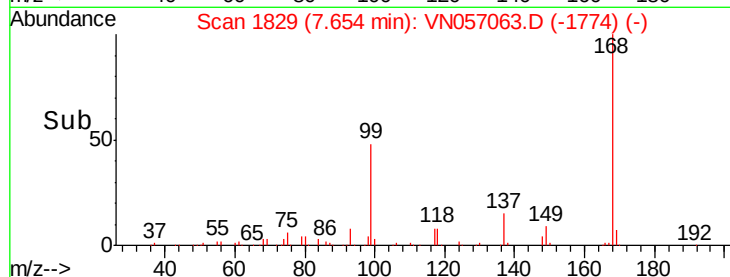
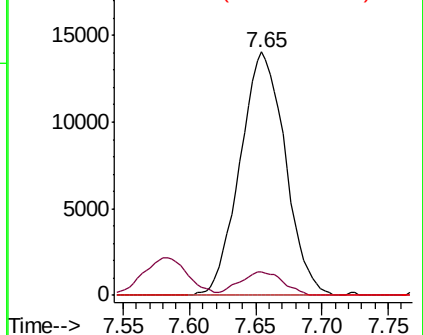
#36
 1,1-Dichloropropene
 Concen: 4.687 ug/l
 RT: 7.65 min Scan# 1829
 Delta R.T. -0.12 min
 Lab File: VN057063.D
 Acq: 2 Aug 2019 13:55

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

Tgt Ion: 75 Resp: 33226
 Ion Ratio Lower Upper
 75 100
 110 9.3 18.6 55.8#
 77 0.0 25.2 37.8#

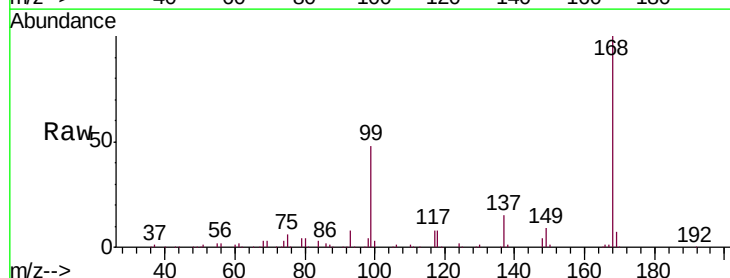


Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VN0

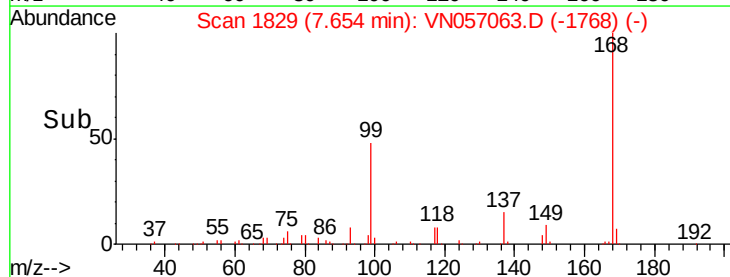
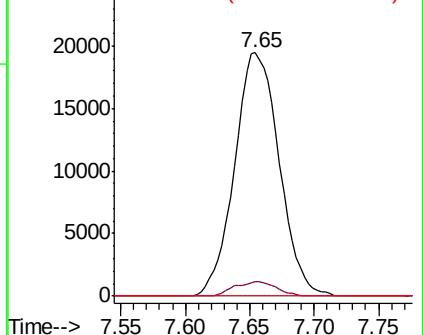


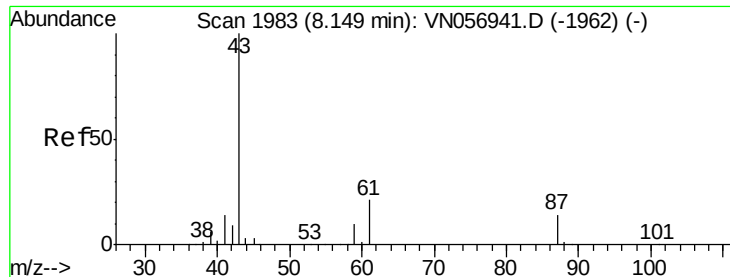
#38
 Carbon Tetrachloride
 Concen: 6.984 ug/l
 RT: 7.65 min Scan# 1829
 Delta R.T. -0.10 min
 Lab File: VN057063.D
 Acq: 2 Aug 2019 13:55

Tgt Ion: 117 Resp: 46830
 Ion Ratio Lower Upper
 117 100
 119 5.8 75.3 112.9#
 121 0.0 24.2 36.4#



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: 0.288 ug/l

RT: 8.25 min Scan# 2014

Delta R.T. 0.10 min

Lab File: VN057063.D

Acq: 2 Aug 2019 13:55

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

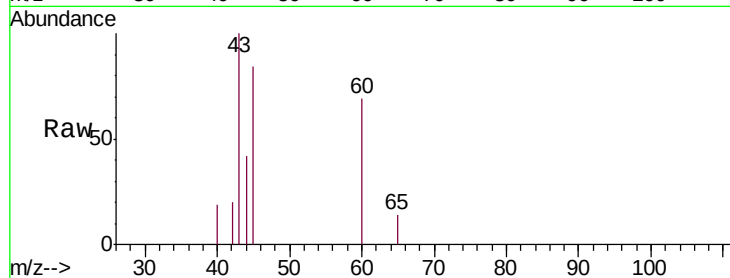
Tgt Ion: 43 Resp: 2704

Ion Ratio Lower Upper

43 100

61 0.0 23.0 34.6#

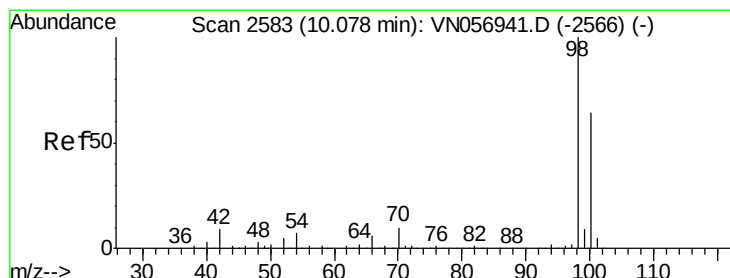
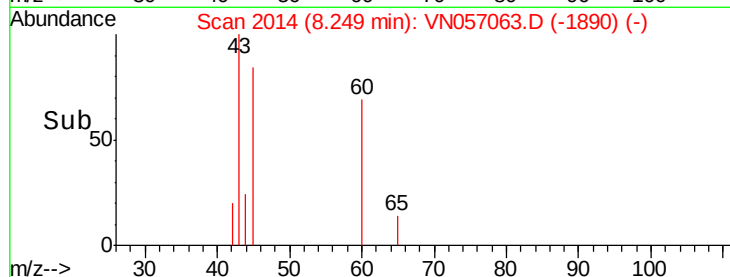
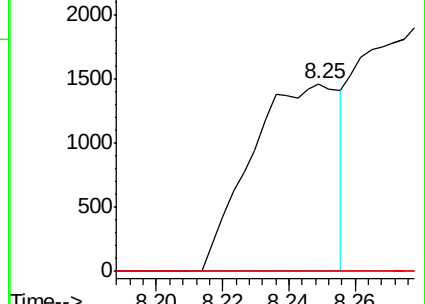
87 0.0 11.7 17.5#



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: 47.430 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. 0.00 min

Lab File: VN057063.D

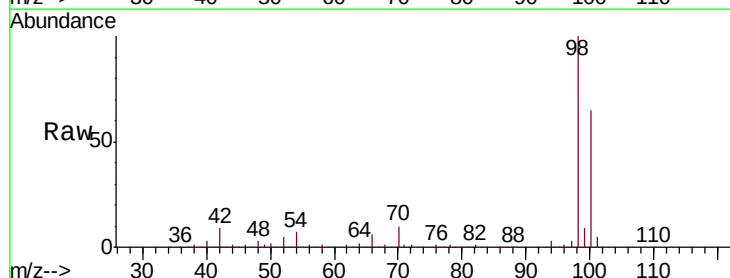
Acq: 2 Aug 2019 13:55

Tgt Ion: 98 Resp: 932813

Ion Ratio Lower Upper

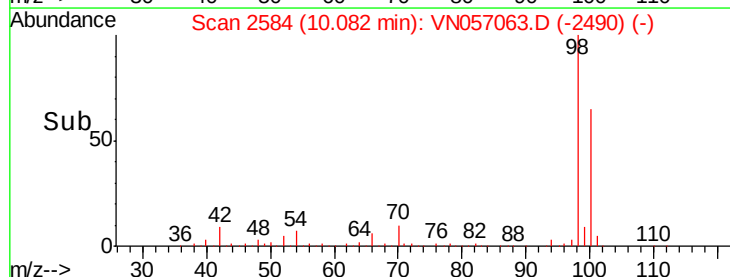
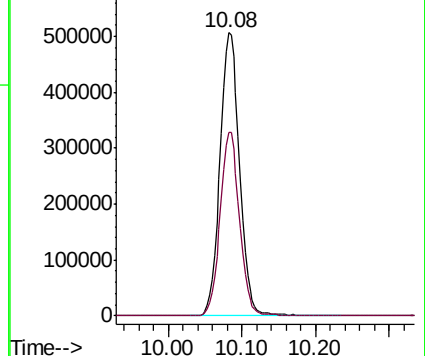
98 100

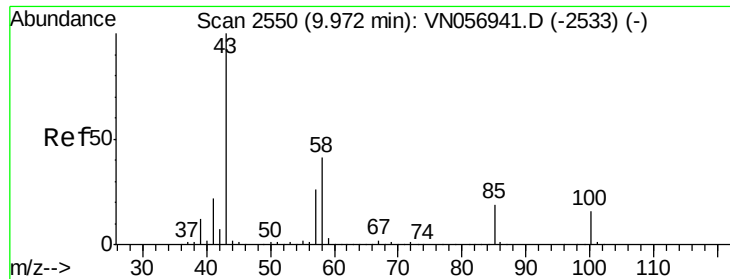
100 63.9 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 0.608 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. 0.11 min

Lab File: VN057063.D

Acq: 2 Aug 2019 13:55

Instrument :

MSVOA_N

ClientSampleId :

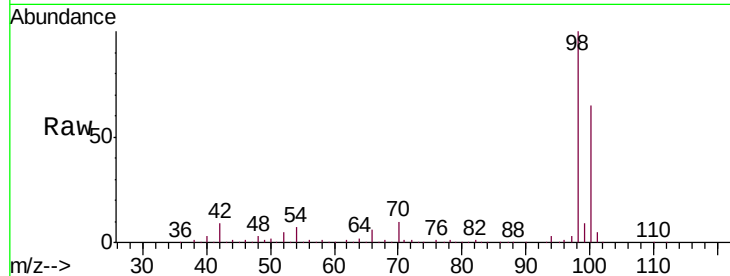
STORAGE-BLANK-WATER-REF-4

Tgt Ion: 43 Resp: 3388

Ion Ratio Lower Upper

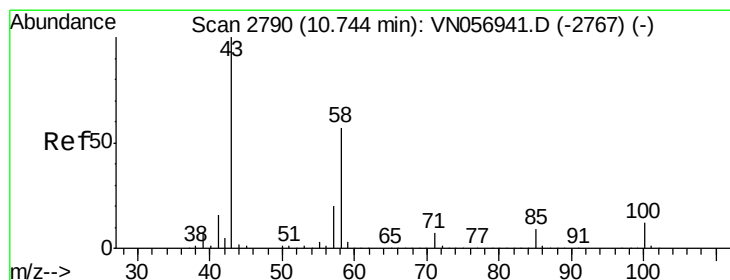
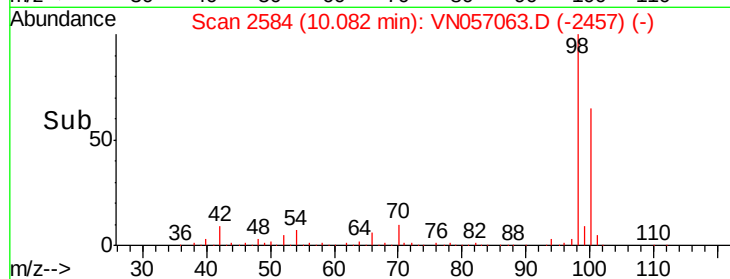
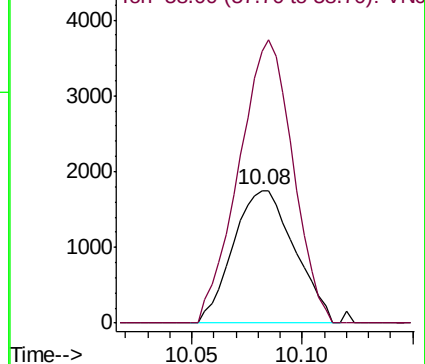
43 100

58 188.2 33.1 49.7#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#59

2-Hexanone

Concen: 2.518 ug/l

RT: 10.76 min Scan# 2794

Delta R.T. 0.01 min

Lab File: VN057063.D

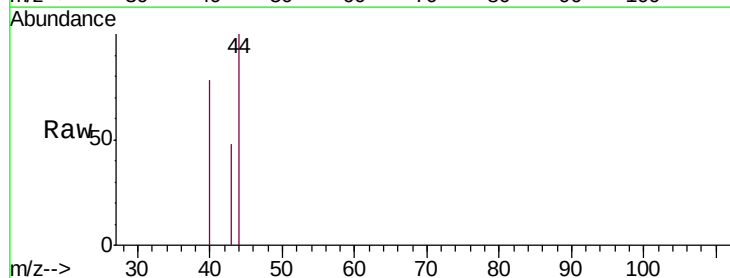
Acq: 2 Aug 2019 13:55

Tgt Ion: 43 Resp: 77

Ion Ratio Lower Upper

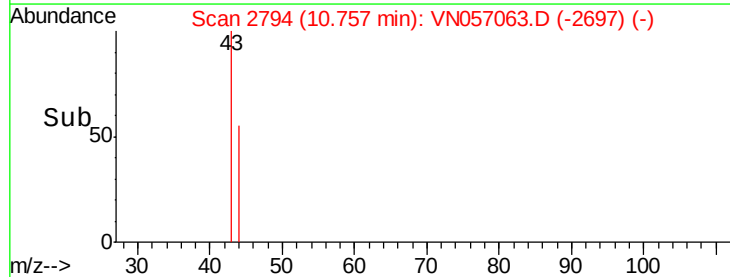
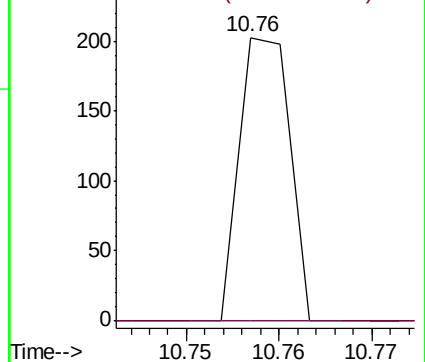
43 100

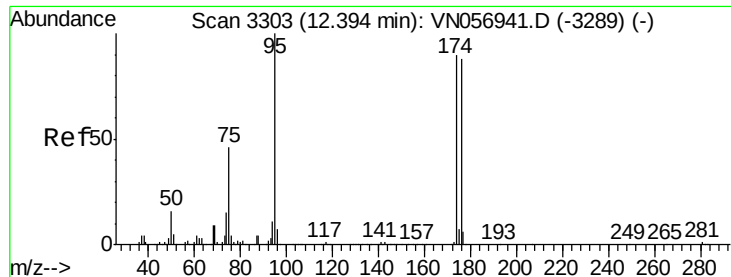
58 0.0 28.5 85.5#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#62

4-Bromofluorobenzene

Concen: 37.679 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN057063.D

Acq: 2 Aug 2019 13:55

Instrument :

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STORAGE-BLANK-WATER-REF-4

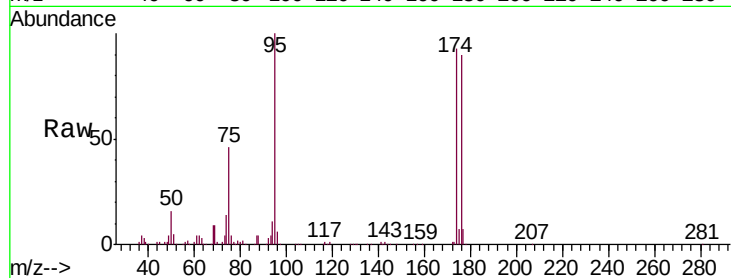
Tgt Ion: 95 Resp: 241242

Ion Ratio Lower Upper

95 100

174 93.5 0.0 182.2

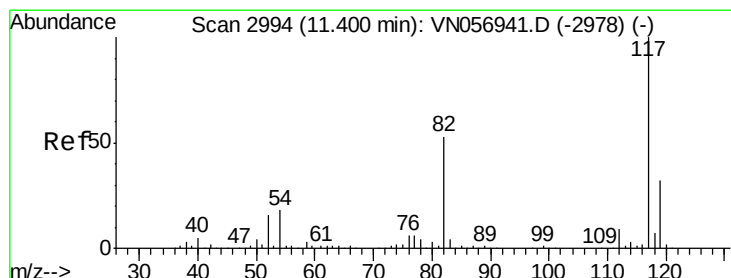
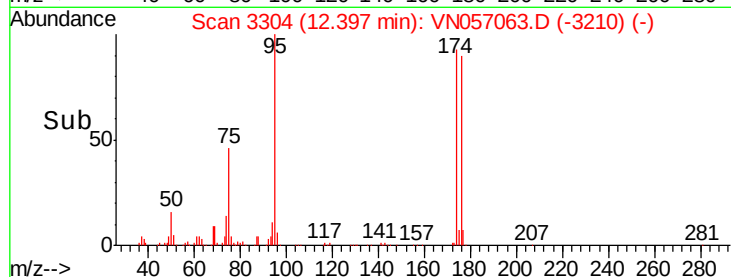
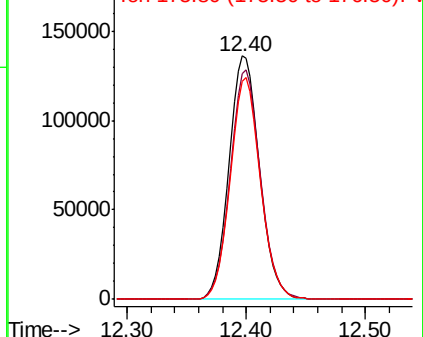
176 90.1 0.0 179.4



Abundance Ion 94.90 (94.60 to 95.60): VN056941.D (-3289) (-)

Ion 173.80 (173.50 to 174.50): VN056941.D (-3289) (-)

Ion 175.80 (175.50 to 176.50): VN056941.D (-3289) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. 0.00 min

Lab File: VN057063.D

Acq: 2 Aug 2019 13:55

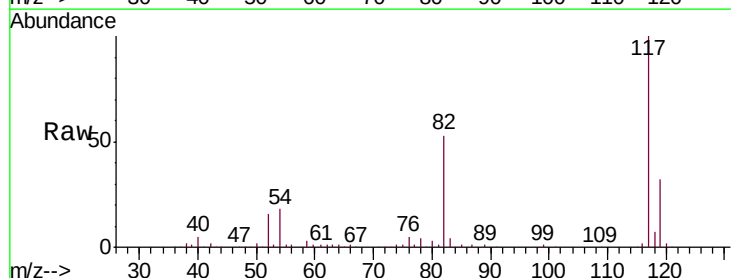
Tgt Ion: 117 Resp: 649186

Ion Ratio Lower Upper

117 100

82 52.5 42.2 63.4

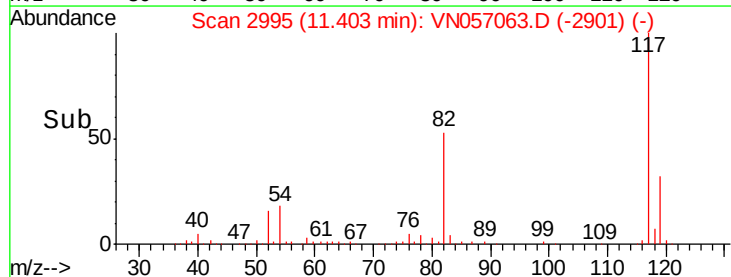
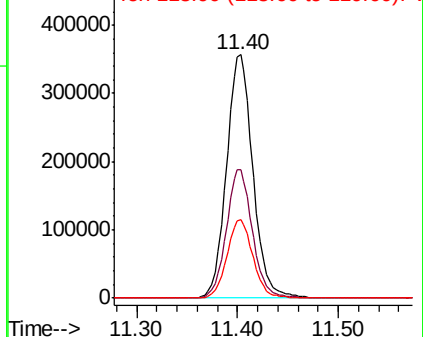
119 32.1 25.8 38.6

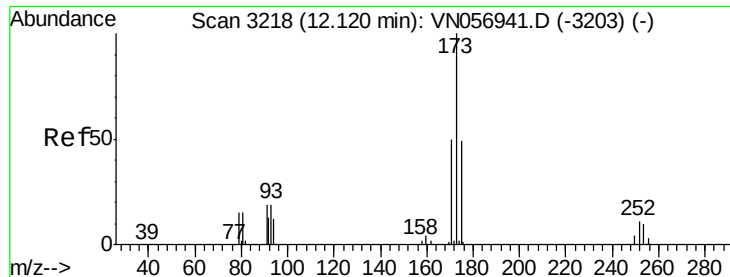


Abundance Ion 116.90 (116.60 to 117.60): VN056941.D (-2978) (-)

Ion 82.00 (81.70 to 82.70): VN056941.D (-2978) (-)

Ion 118.90 (118.60 to 119.60): VN056941.D (-2978) (-)





#71

Bromoform

Concen: 0.477 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.28 min

Lab File: VN057063.D

Acq: 2 Aug 2019 13:55

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

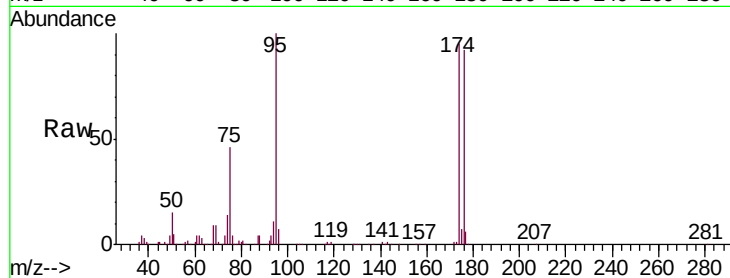
Tgt Ion:173 Resp: 1660

Ion Ratio Lower Upper

173 100

175 775.2 24.1 72.4#

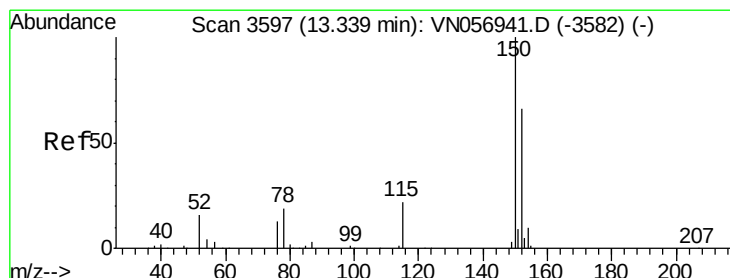
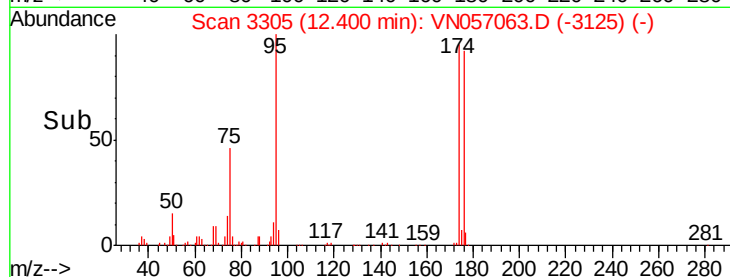
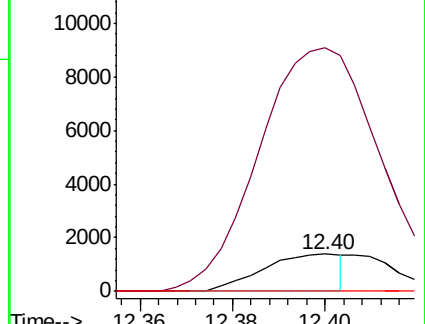
254 0.0 0.1 0.1#



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: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN057063.D

Acq: 2 Aug 2019 13:55

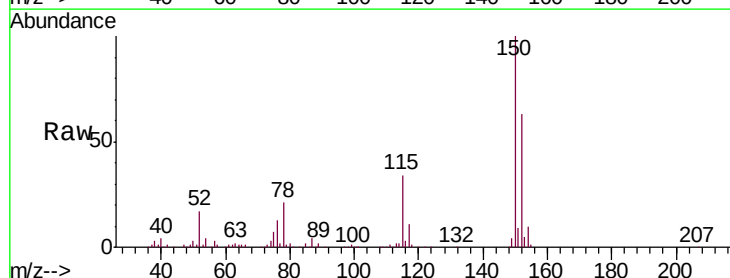
Tgt Ion:152 Resp: 169399

Ion Ratio Lower Upper

152 100

115 54.0 28.2 84.6

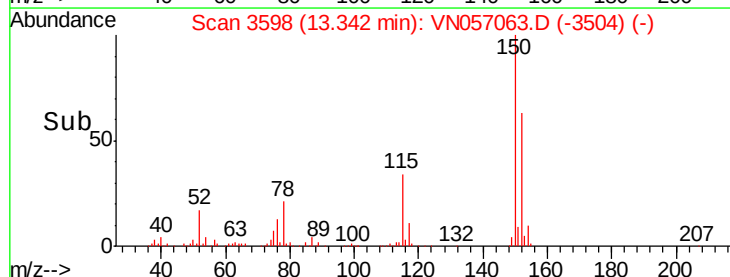
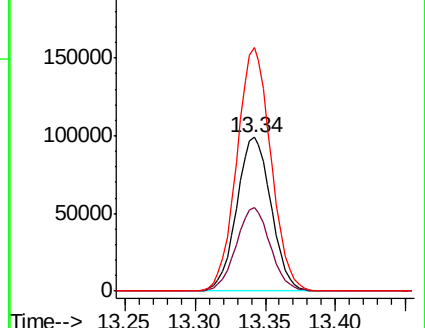
150 157.2 0.0 349.4

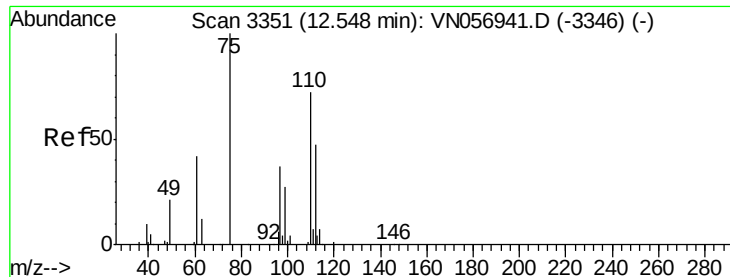


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 31.973 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN057063.D

Acq: 2 Aug 2019 13:55

Instrument :

MSVOA_N

ClientSampleId :

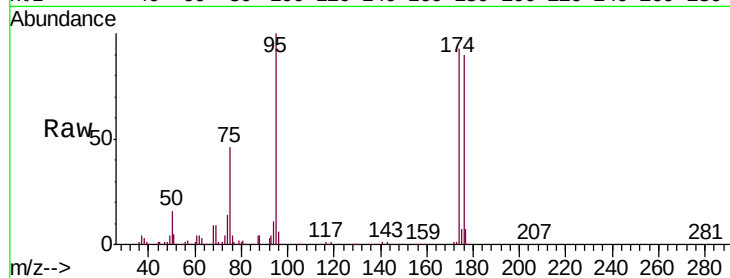
STORAGE-BLANK-WATER-REF-4

Tgt Ion: 75 Resp: 109993

Ion Ratio Lower Upper

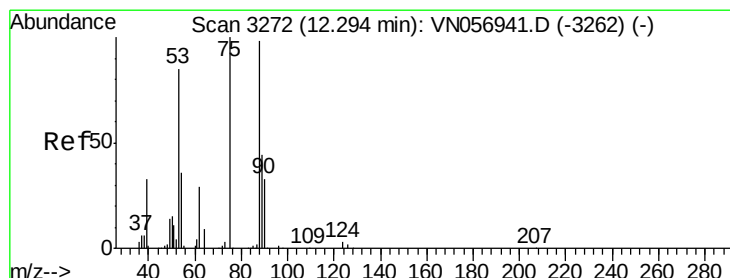
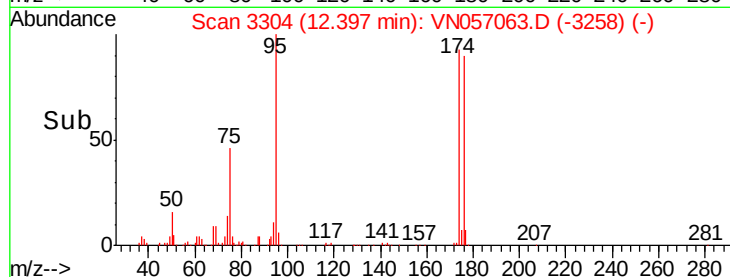
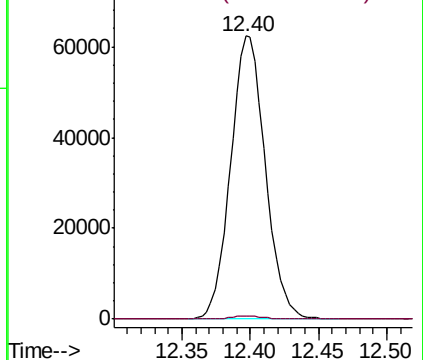
75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#81

trans-1,4-Dichloro-2-butene

Concen: 102.727 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN057063.D

Acq: 2 Aug 2019 13:55

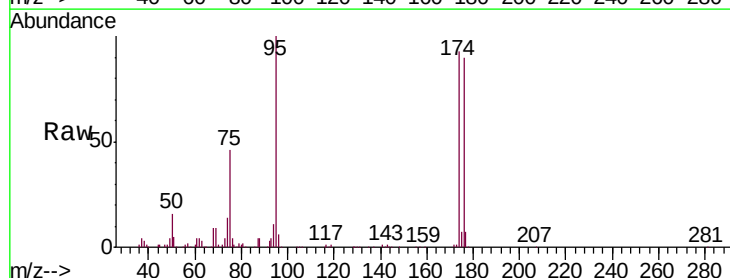
Tgt Ion: 75 Resp: 109993

Ion Ratio Lower Upper

75 100

53 0.0 69.3 103.9#

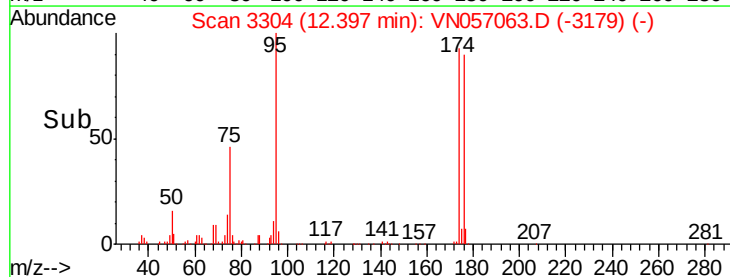
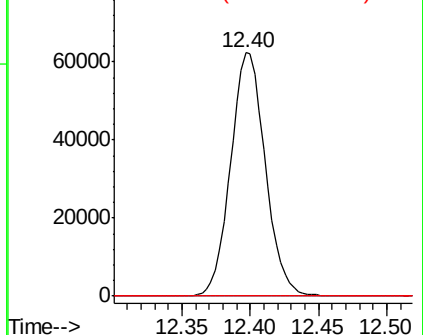
89 0.0 35.8 53.6#

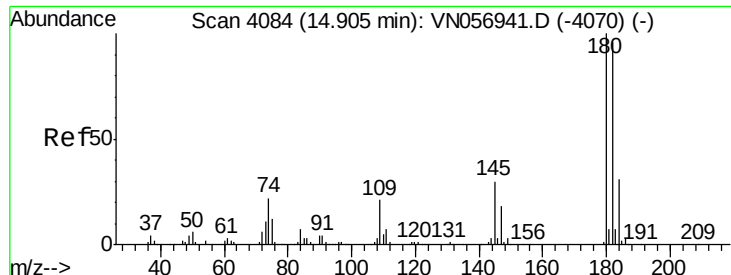


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

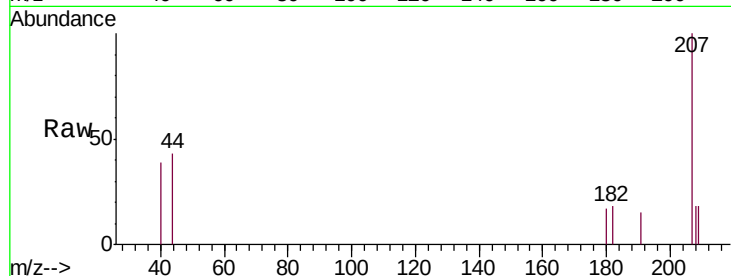




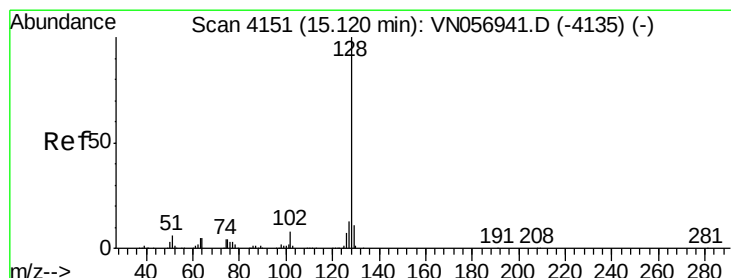
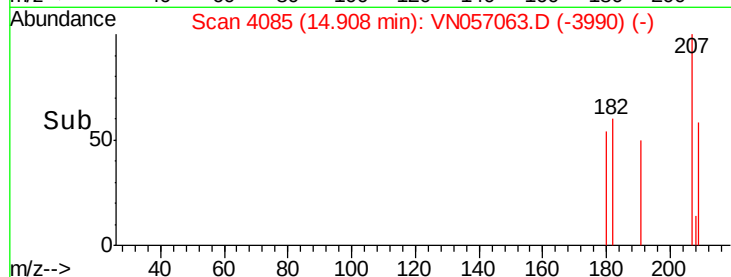
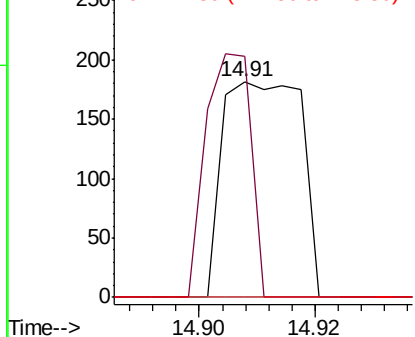
#93
 1,2,4-Trichlorobenzene
 Concen: 2.766 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN057063.D
 Acq: 2 Aug 2019 13:55

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

Tgt Ion:180 Resp: 170
 Ion Ratio Lower Upper
 180 100
 182 64.1 47.6 142.8
 145 0.0 14.2 42.8#

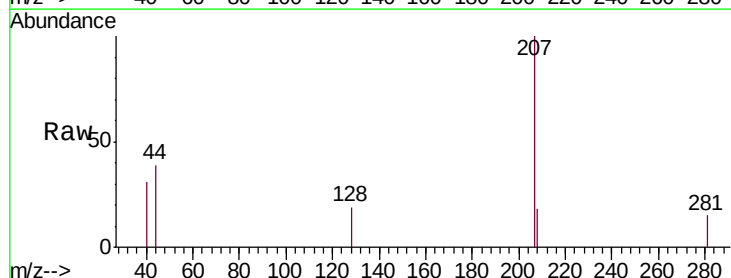


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

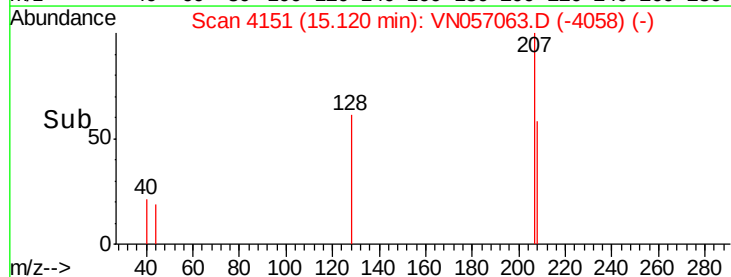
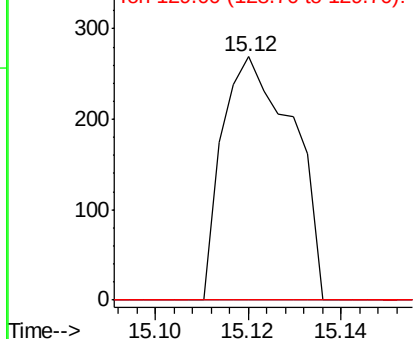


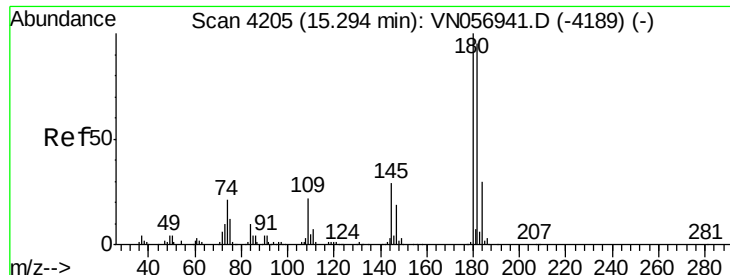
#95
 Naphthalene
 Concen: 3.625 ug/l
 RT: 15.12 min Scan# 4151
 Delta R.T. 0.00 min
 Lab File: VN057063.D
 Acq: 2 Aug 2019 13:55

Tgt Ion:128 Resp: 286
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.0 15.0#
 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

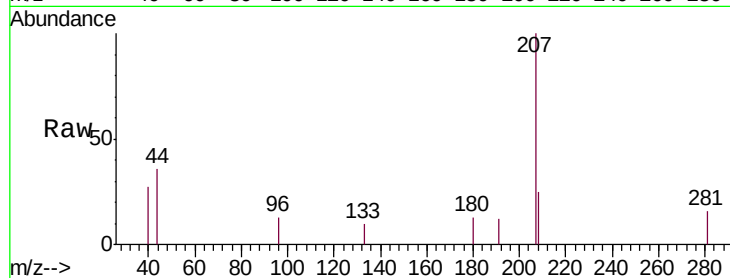




#96
 1,2,3-Trichlorobenzene
 Concen: 2.116 ug/l
 RT: 15.29 min Scan# 4203
 Delta R.T. -0.01 min
 Lab File: VN057063.D
 Acq: 2 Aug 2019 13:55

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

Tgt Ion	Ratio	Lower	Upper
180	100		
182	0.0	48.0	144.2#
145	0.0	15.0	45.0#



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

