

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121918\
 Data File : VN053004.D
 Acq On : 19 Dec 2018 12:09
 Operator : MD\SY
 Sample : J6386-03ME
 Misc : 4.40g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 9 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 P001-SS016-0006-02ME

Quant Time: Dec 20 05:18:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:03:37 2018
 Response via : Initial Calibration

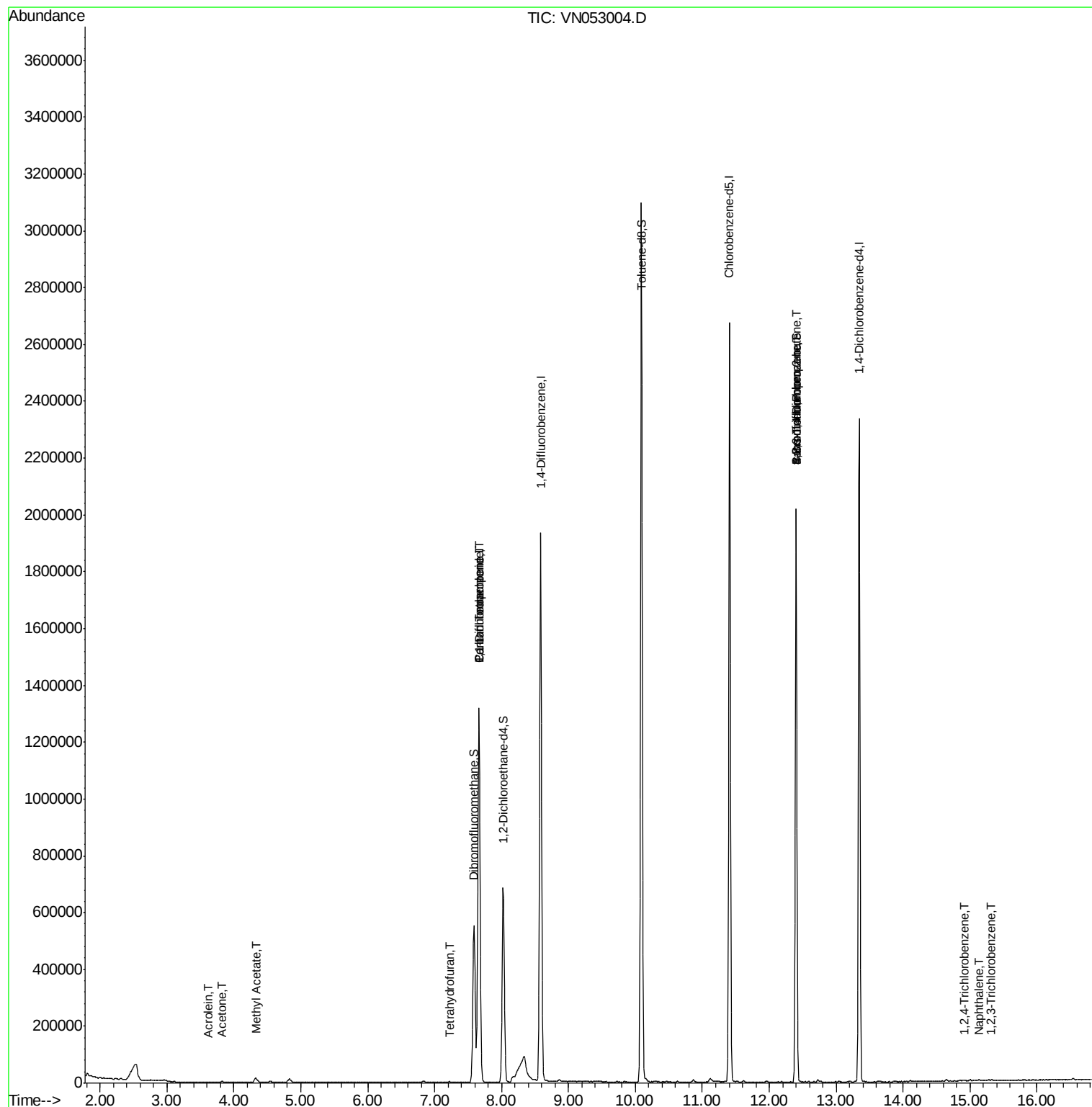
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1182659	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1803714	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1607759	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	662556	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.02	65	569250	47.43	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.86%	
35) Dibromofluoromethane	7.59	113	427537	51.89	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.78%	
50) Toluene-d8	10.09	98	2210855	49.98	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.96%	
62) 4-Bromofluorobenzene	12.40	95	714269	46.00	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.00%	
Target Compounds						
					Qvalue	
13) Acrolein	3.61	56	254	0.383	ug/l #	63
16) Acetone	3.81	43	6668	2.834	ug/l #	87
18) Methyl Acetate	4.33	43	32582	3.982	ug/l	100
29) Tetrahydrofuran	7.21	42	1471	0.499	ug/l #	88
31) Cyclohexane	7.66	56	19114	Below Cal	#	1
36) 1,1-Dichloropropene	7.66	75	77980	4.504	ug/l #	48
38) Carbon Tetrachloride	7.66	117	102996	6.491	ug/l #	16
43) Isopropyl Acetate	8.17	43	13481	Below Cal	#	53
71) Bromoform	12.40	173	4428	0.495	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	330488	29.631	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	330488	95.504	ug/l #	12
93) 1,2,4-Trichlorobenzene	14.91	180	1196	0.695	ug/l	92
94) Hexachlorobutadiene	15.01	225	409	Below Cal	#	34
95) Naphthalene	15.14	128	3672	1.284	ug/l #	91
96) 1,2,3-Trichlorobenzene	15.32	180	987	0.599	ug/l	81

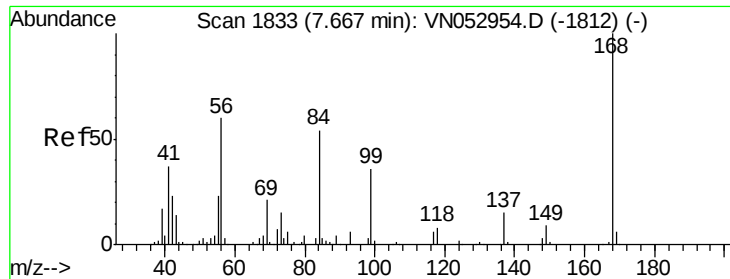
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Dec 18 13:03:37 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN053004.D

Acq: 19 Dec 2018 12:09

Instrument :

MSVOA_N

ClientSampleId :

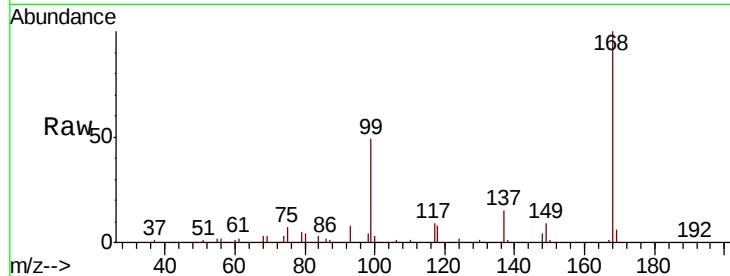
P001-SS016-0006-02ME

Tot Ion:168 Resp: 1182659

Ion Ratio Lower Upper

168 100

99 49.3 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): VN052954.D (-1812) (-)

Ion 98.90 (98.60 to 99.60): VN052954.D (-1812) (-)

7.66

500000

400000

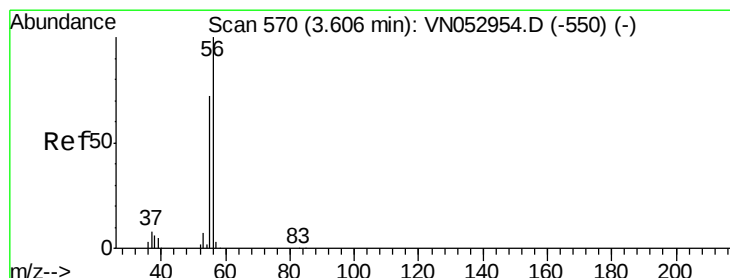
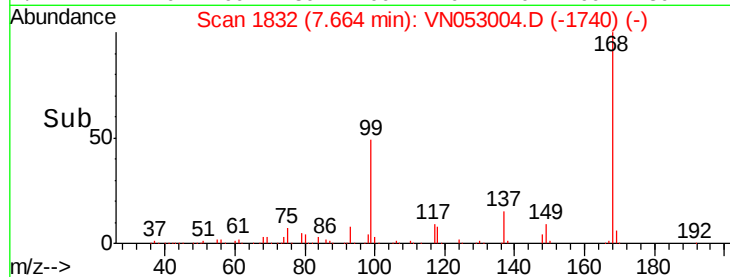
300000

200000

100000

0

Time-->



#13

Acrolein

Concen: 0.383 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN053004.D

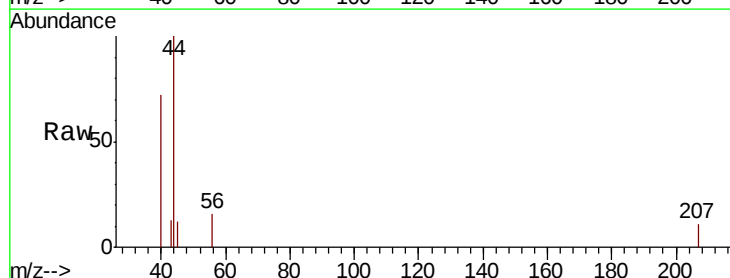
Acq: 19 Dec 2018 12:09

Tgt Ion: 56 Resp: 254

Ion Ratio Lower Upper

56 100

55 40.6 56.6 85.0#



Abundance Ion 56.00 (55.70 to 56.70): VN052954.D (-550) (-)

Ion 55.00 (54.70 to 55.70): VN052954.D (-550) (-)

3.61

250

200

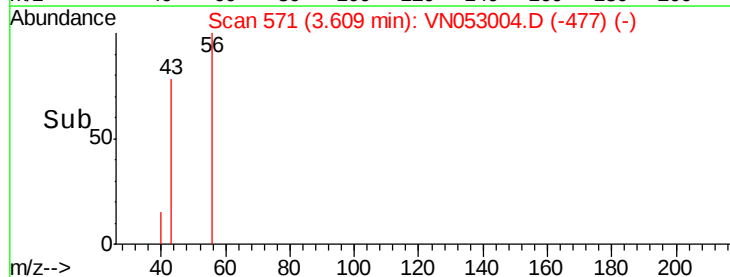
150

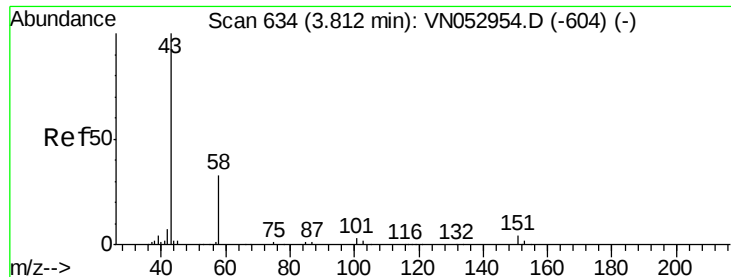
100

50

0

Time-->





#16

Acetone

Concen: 2.834 ug/l

RT: 3.81 min Scan# 634

Delta R.T. -0.00 min

Lab File: VN053004.D

Acq: 19 Dec 2018 12:09

Instrument :

MSVOA_N

ClientSampleId :

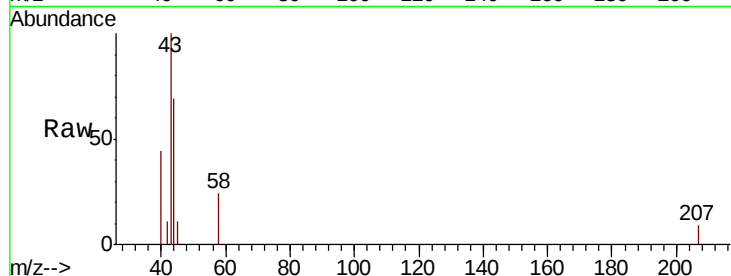
P001-SS016-0006-02ME

Tot Ion: 43 Resp: 6668

Ion Ratio Lower Upper

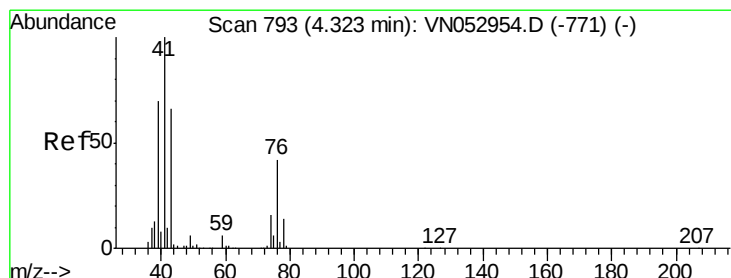
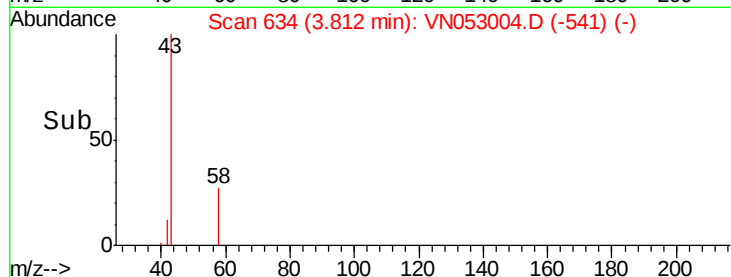
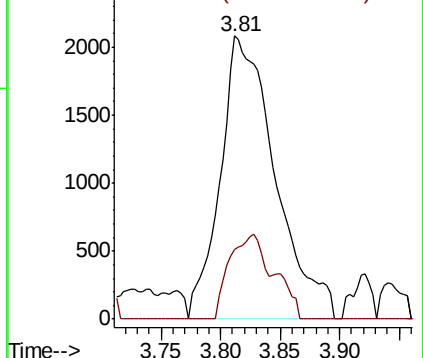
43 100

58 24.5 25.4 38.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#18

Methyl Acetate

Concen: 3.982 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN053004.D

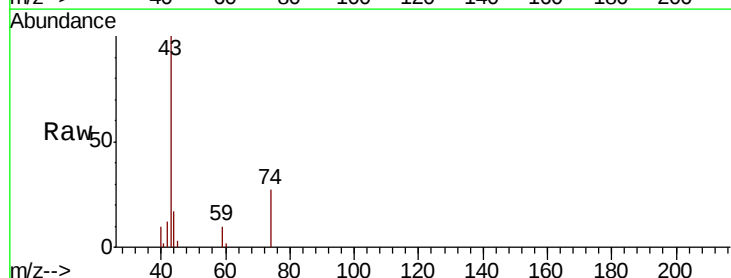
Acq: 19 Dec 2018 12:09

Tgt Ion: 43 Resp: 32582

Ion Ratio Lower Upper

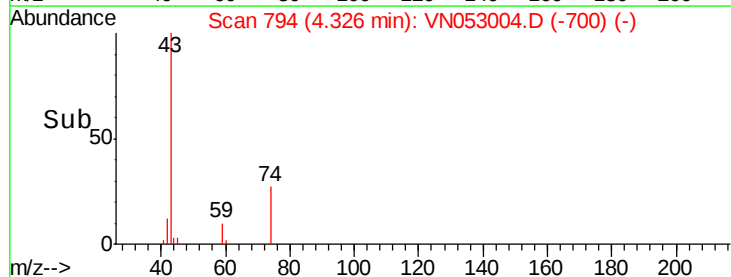
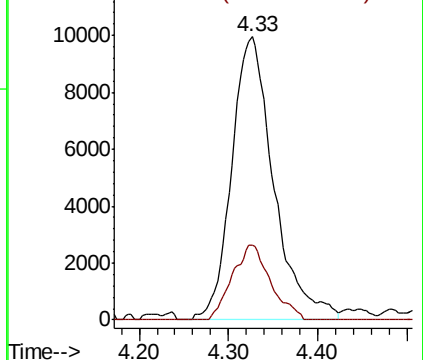
43 100

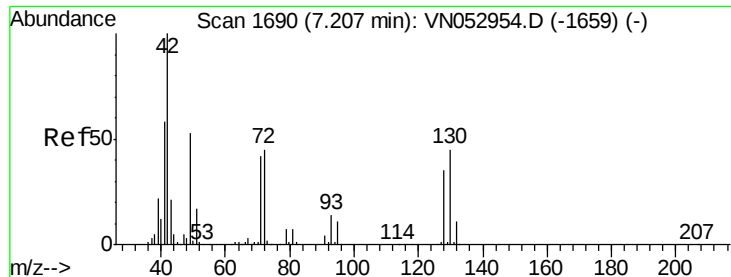
74 24.1 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

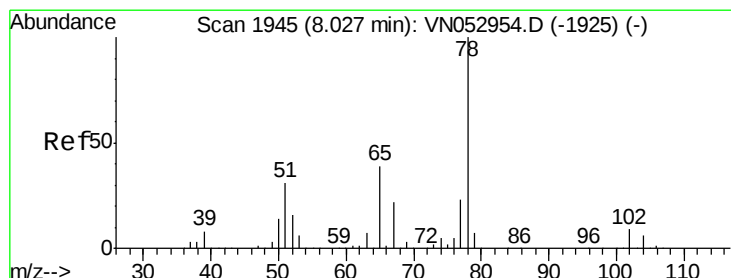
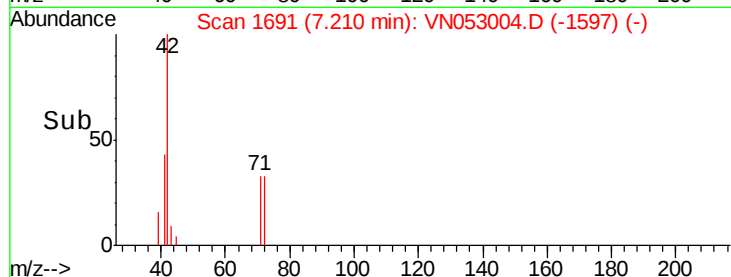
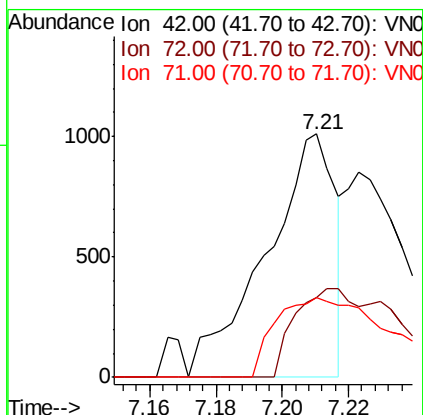
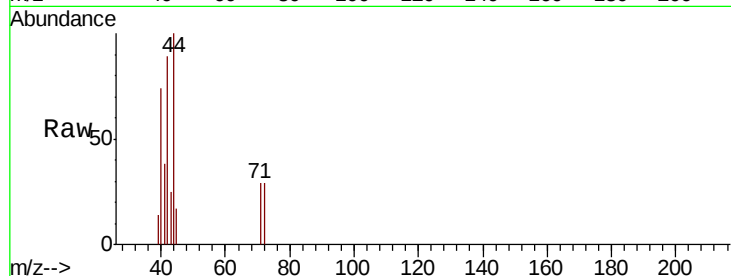




#29
Tetrahydrofuran
Concen: 0.499 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN053004.D
Acq: 19 Dec 2018 12:09

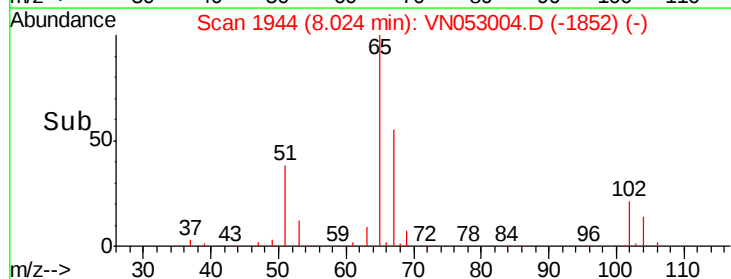
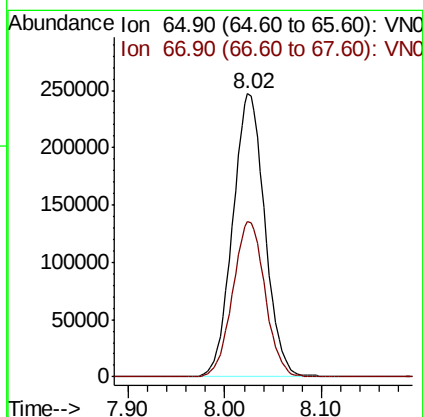
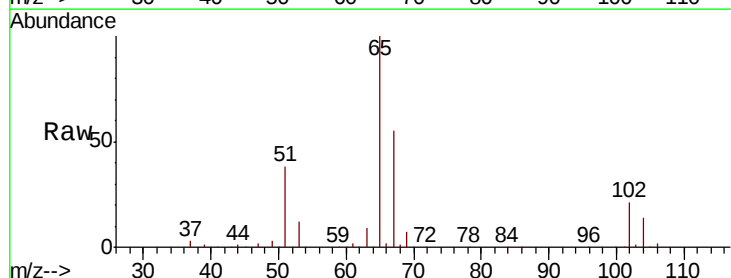
Instrument :
MSVOA_N
ClientSampleId :
P001-SS016-0006-02ME

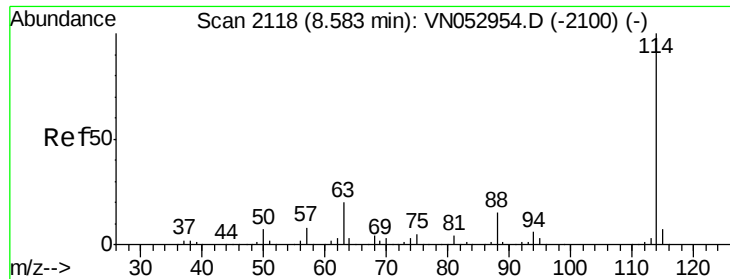
Tot Ion: 42 Resp: 1471
Ion Ratio Lower Upper
42 100
72 49.0 34.7 52.1
71 49.6 32.3 48.5#



#33
1,2-Dichloroethane-d4
Concen: Below ug/l
RT: 8.02 min Scan# 1944
Delta R.T. -0.00 min
Lab File: VN053004.D
Acq: 19 Dec 2018 12:09

Tgt Ion: 65 Resp: 569250
Ion Ratio Lower Upper
65 100
67 55.2 0.0 110.4

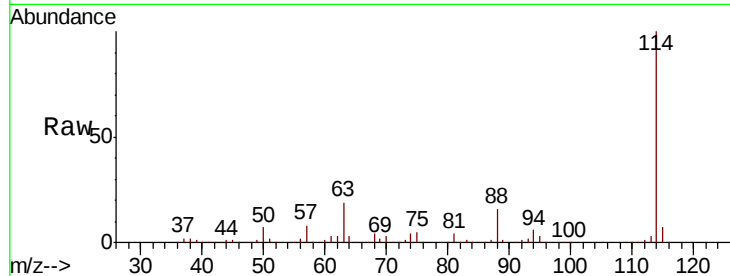




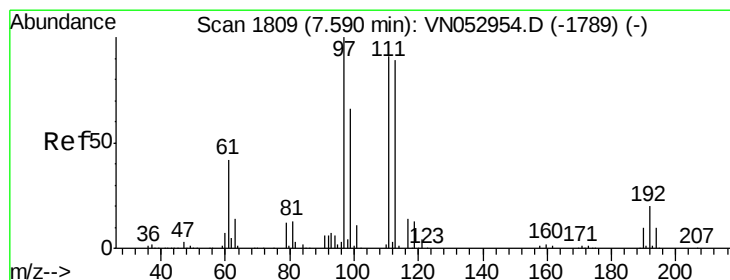
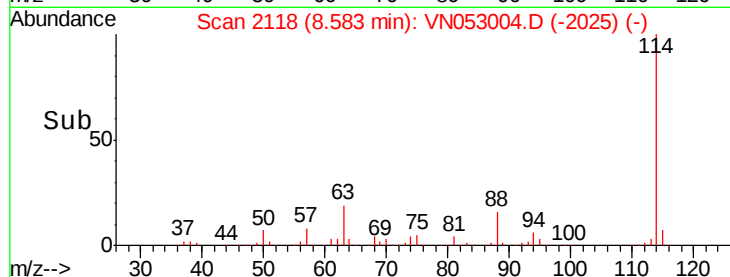
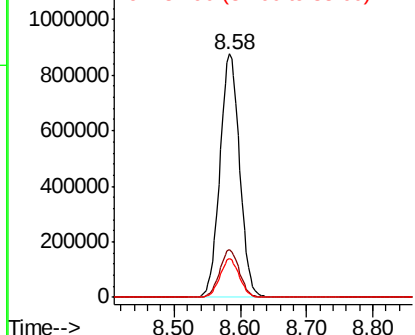
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.58 min Scan# 2118
Delta R.T. -0.00 min
Lab File: VN053004.D
Acq: 19 Dec 2018 12:09

Instrument :
MSVOA_N
ClientSampleId :
P001-SS016-0006-02ME

Tot Ion:114 Resp: 1803714
Ion Ratio Lower Upper
114 100
63 19.4 0.0 39.8
88 15.7 0.0 31.0

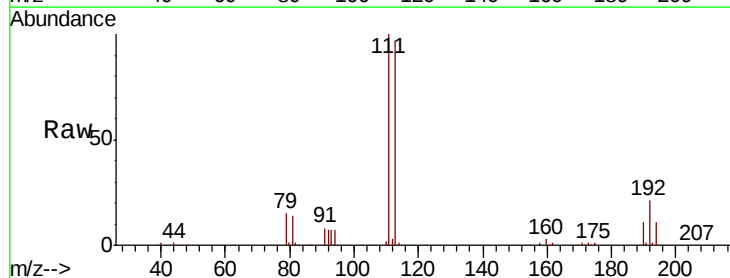


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

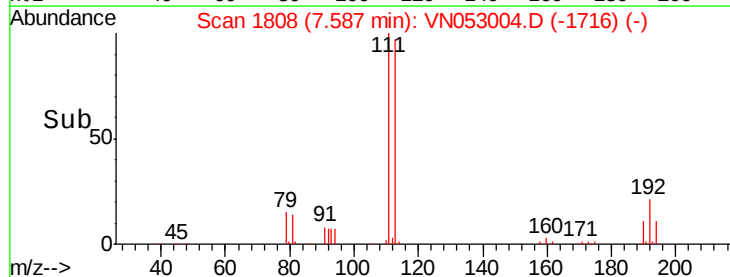
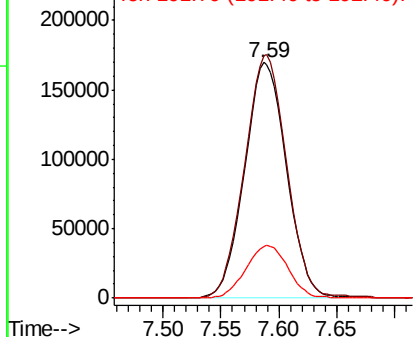


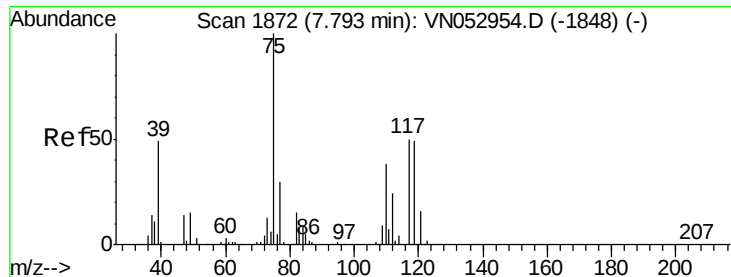
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1808
Delta R.T. -0.00 min
Lab File: VN053004.D
Acq: 19 Dec 2018 12:09

Tgt Ion:113 Resp: 427537
Ion Ratio Lower Upper
113 100
111 103.7 83.0 124.4
192 22.6 17.5 26.3



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

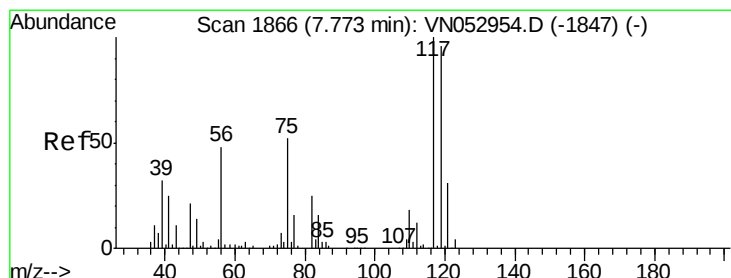
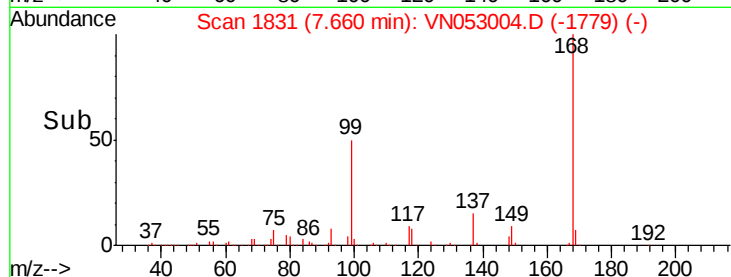
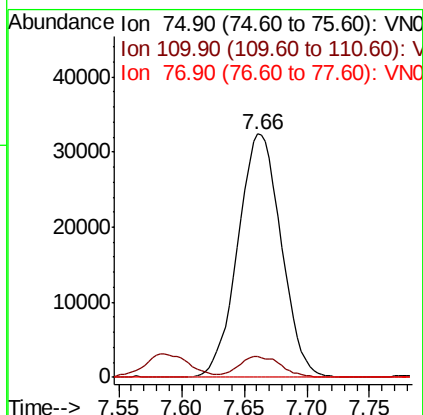
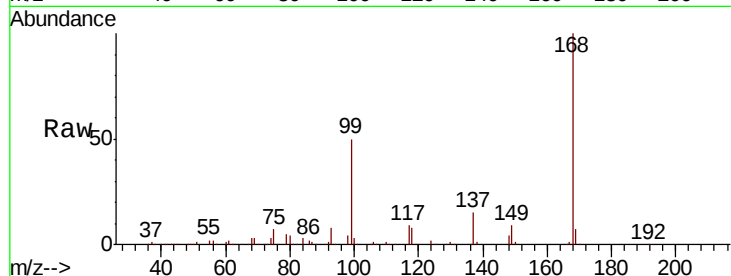




#36
 1,1-Dichloropropene
 Concen: 4.504 ug/l
 RT: 7.66 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN053004.D
 Acq: 19 Dec 2018 12:09

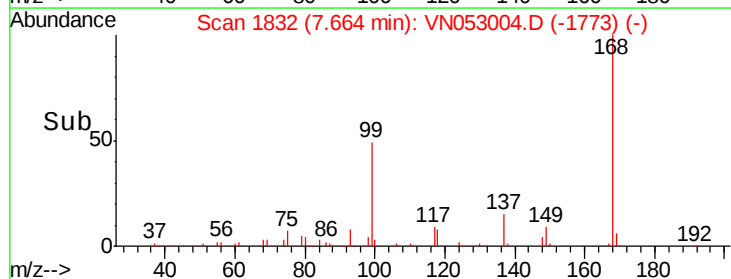
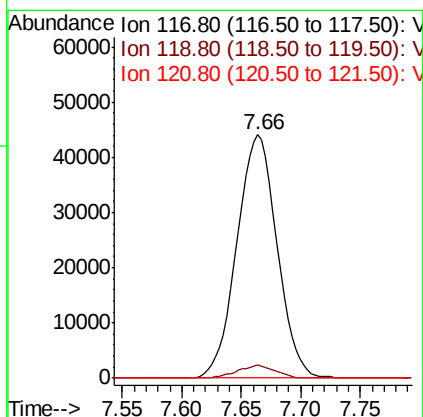
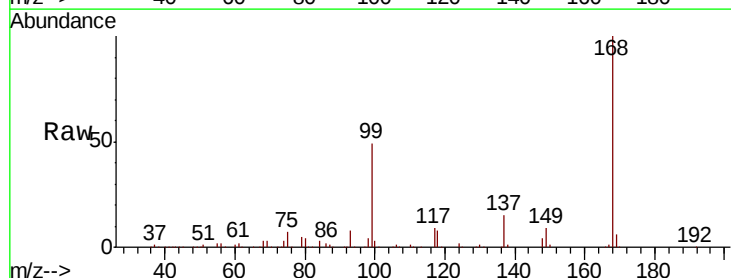
Instrument :
 MSVOA_N
 ClientSampleId :
 P001-SS016-0006-02ME

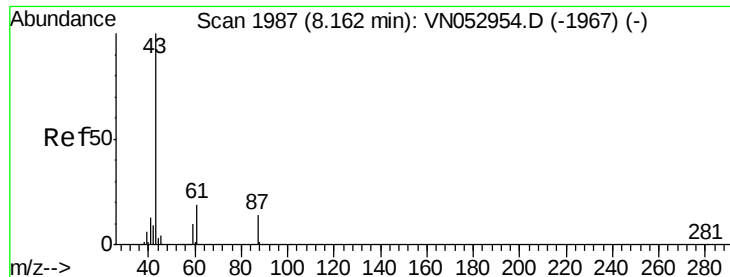
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.3	18.2	54.6#
77	0.0	24.9	37.3#



#38
 Carbon Tetrachloride
 Concen: 6.491 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.11 min
 Lab File: VN053004.D
 Acq: 19 Dec 2018 12:09

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.2	77.1	115.7#
121	0.0	24.9	37.3#



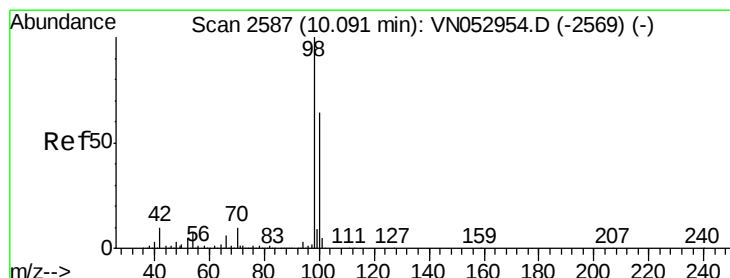
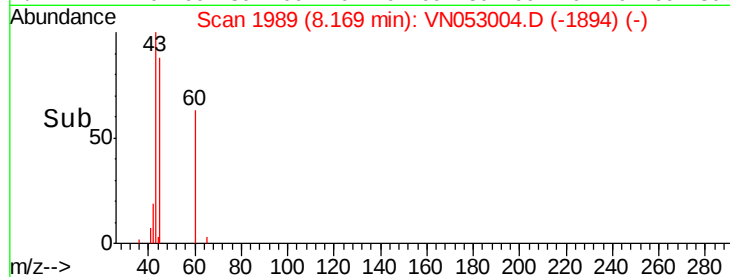
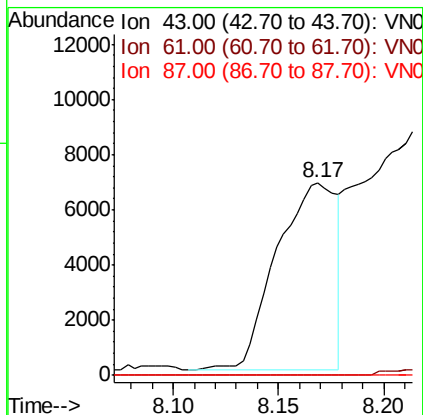
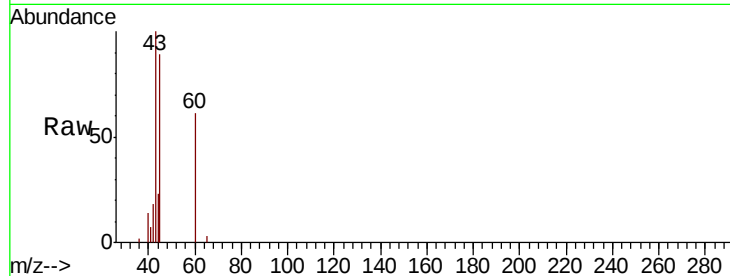


#43

Isopropyl Acetate
 Concen: Below Cal
 RT: 8.17 min Scan# 1989
 Delta R.T. 0.01 min
 Lab File: VN053004.D
 Acq: 19 Dec 2018 12:09

Instrument :
 MSVOA_N
 ClientSampleId :
 P001-SS016-0006-02ME

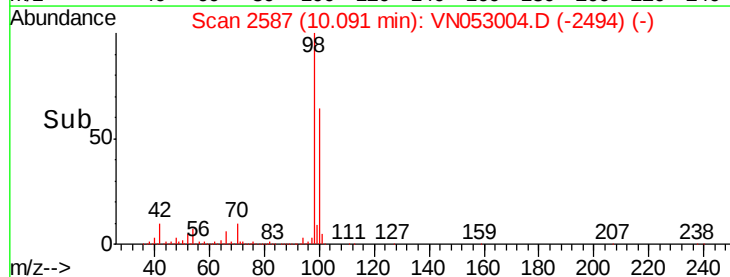
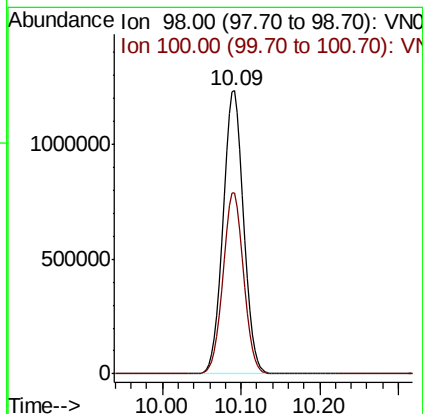
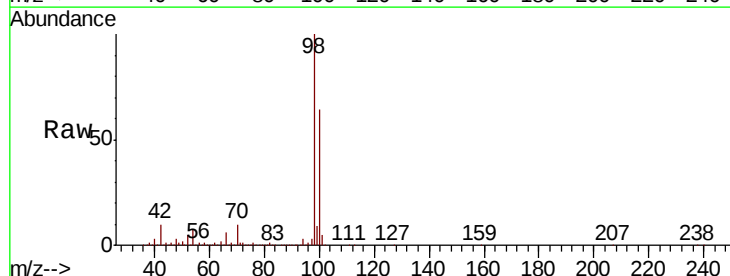
Tot Ion: 43 Resp: 13481
 Ion Ratio Lower Upper
 43 100
 61 0.0 22.9 34.3#
 87 0.0 10.6 15.8#

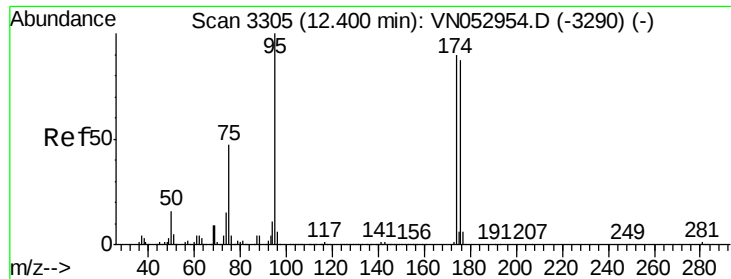


#50

Toluene-d8
 Concen: N.D. ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. -0.00 min
 Lab File: VN053004.D
 Acq: 19 Dec 2018 12:09

Tgt Ion: 98 Resp: 2210855
 Ion Ratio Lower Upper
 98 100
 100 64.2 51.6 77.4





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN053004.D

Acq: 19 Dec 2018 12:09

Instrument :

MSVOA_N

ClientSampleId :

P001-SS016-0006-02ME

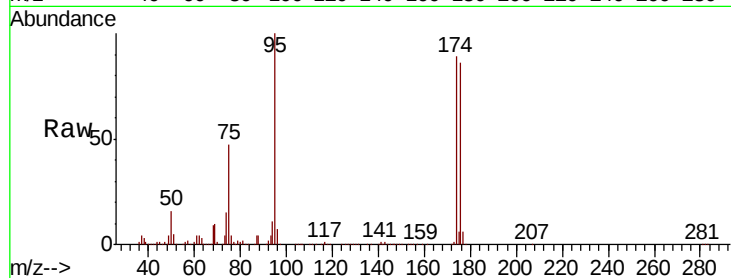
Tot Ion: 95 Resp: 714269

Ion Ratio Lower Upper

95 100

174 90.1 0.0 178.8

176 87.4 0.0 173.8



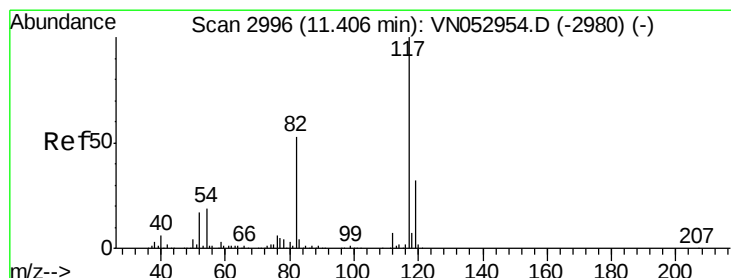
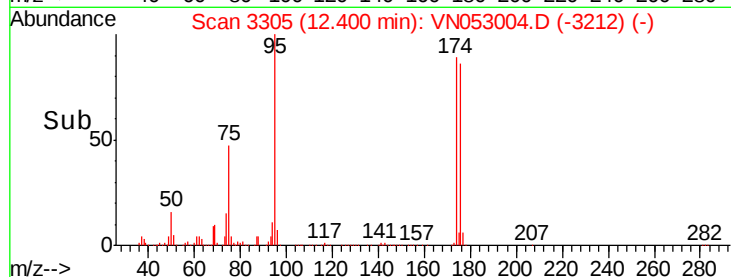
Abundance Ion 94.90 (94.60 to 95.60): VN052954.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN052954.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN052954.D (-3290) (-)

12.40

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN053004.D

Acq: 19 Dec 2018 12:09

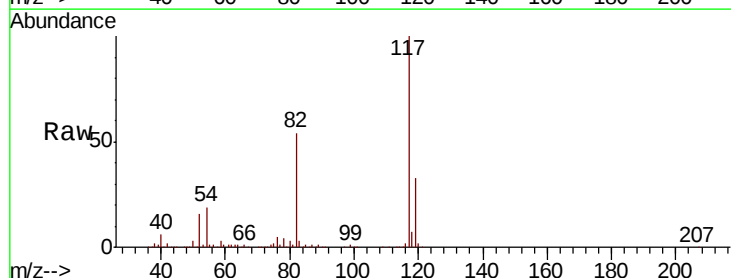
Tgt Ion: 117 Resp: 1607759

Ion Ratio Lower Upper

117 100

82 54.2 42.8 64.2

119 32.6 25.5 38.3



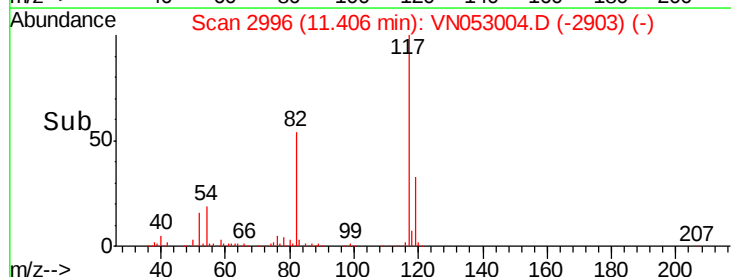
Abundance Ion 116.90 (116.60 to 117.60): VN052954.D (-2980) (-)

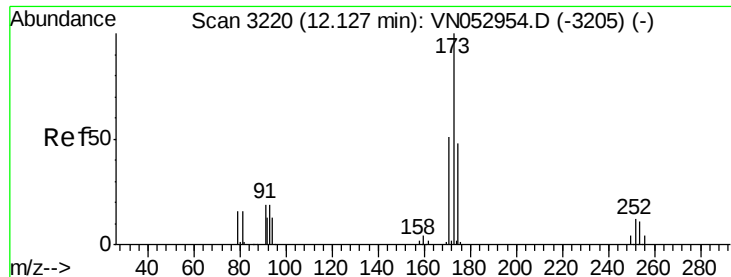
Ion 82.00 (81.70 to 82.70): VN052954.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN052954.D (-2980) (-)

11.41

Time-->





#71

Bromoform

Concen: 0.495 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN053004.D

Acq: 19 Dec 2018 12:09

Instrument :

MSVOA_N

ClientSampleId :

P001-SS016-0006-02ME

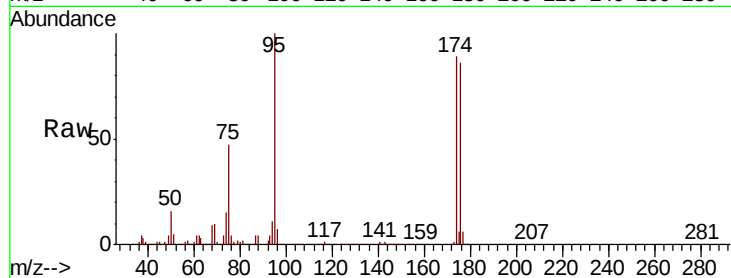
Tot Ion:173 Resp: 4428

Ion Ratio Lower Upper

173 100

175 902.1 24.3 72.9#

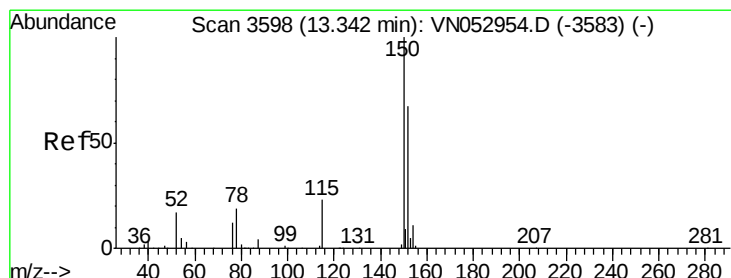
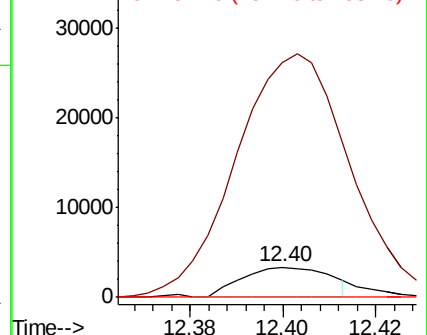
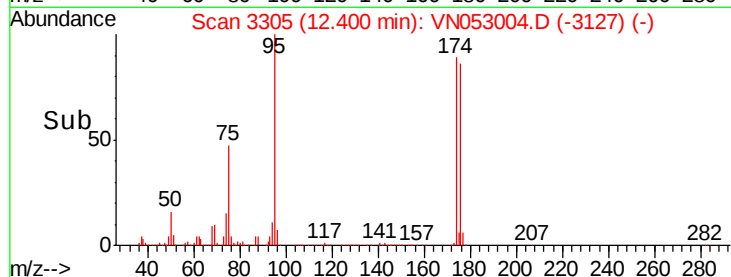
254 0.0 0.1 0.1#



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: VN053004.D

Acq: 19 Dec 2018 12:09

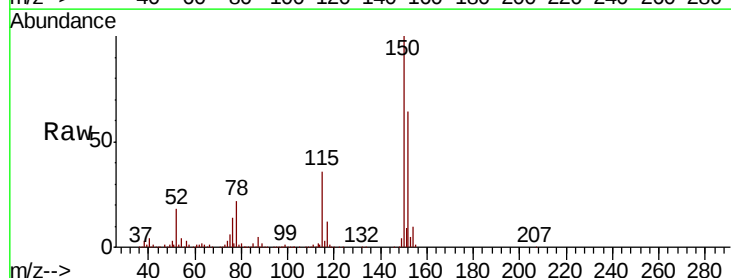
Tgt Ion:152 Resp: 662556

Ion Ratio Lower Upper

152 100

115 56.2 28.3 85.0

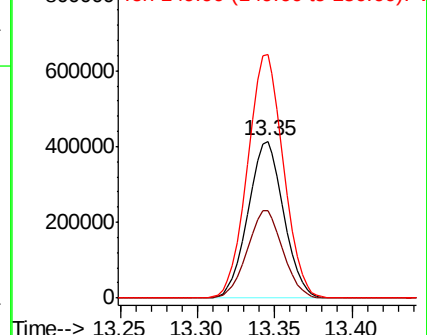
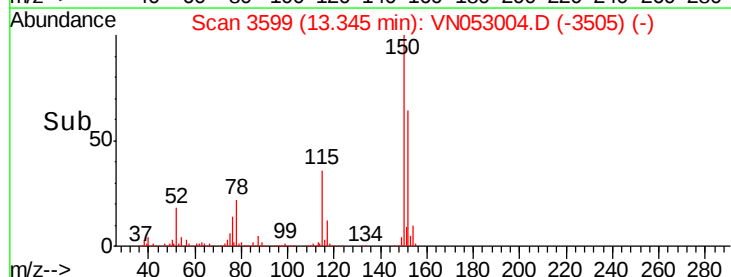
150 156.8 0.0 347.8

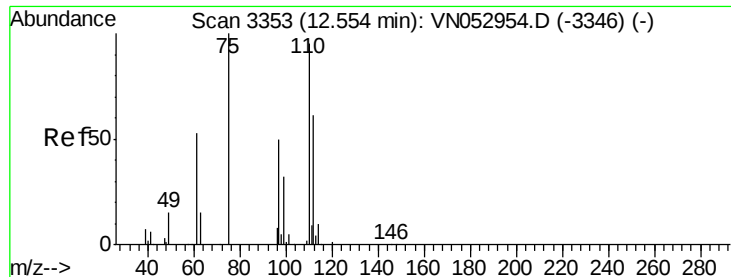


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 29.631 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN053004.D

Acq: 19 Dec 2018 12:09

Instrument :

MSVOA_N

ClientSampleId :

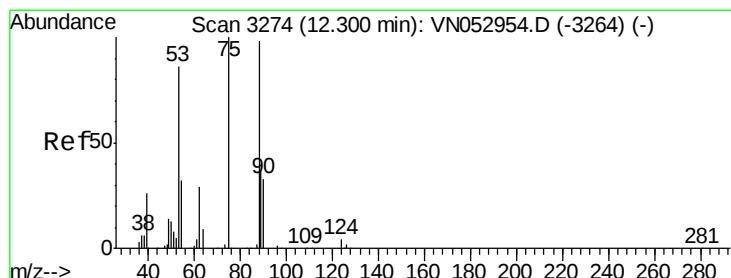
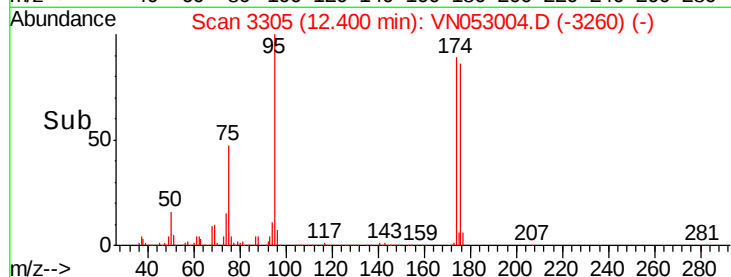
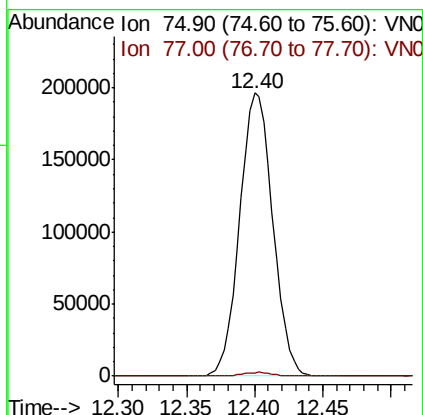
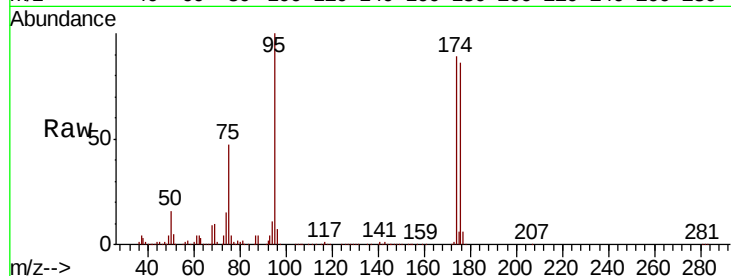
P001-SS016-0006-02ME

Tot Ion: 75 Resp: 330488

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 95.504 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN053004.D

Acq: 19 Dec 2018 12:09

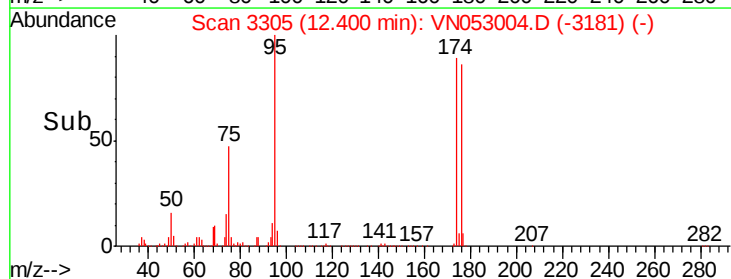
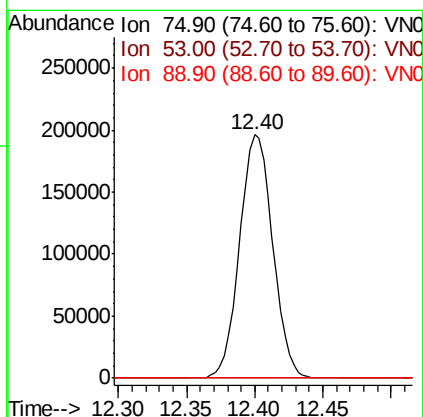
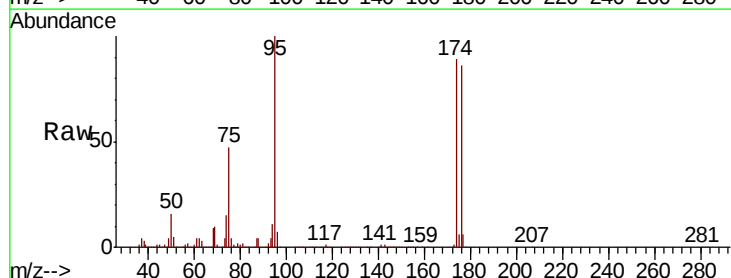
Tgt Ion: 75 Resp: 330488

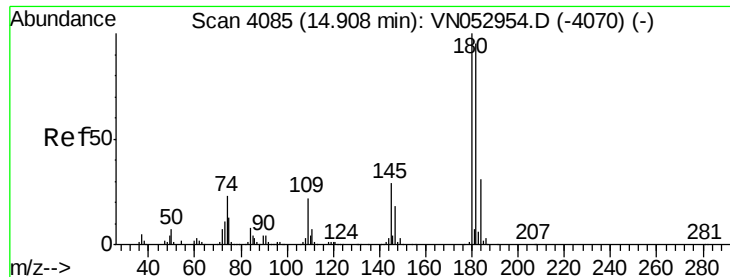
Ion Ratio Lower Upper

75 100

53 0.0 74.7 112.1#

89 0.0 36.1 54.1#

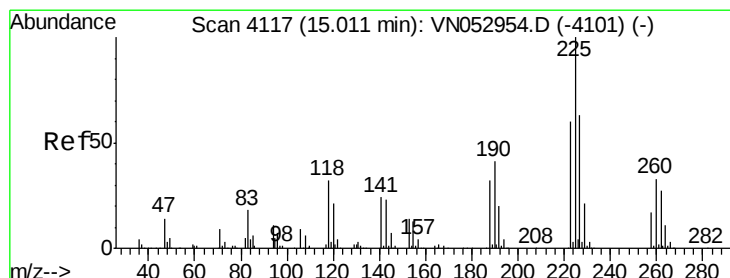
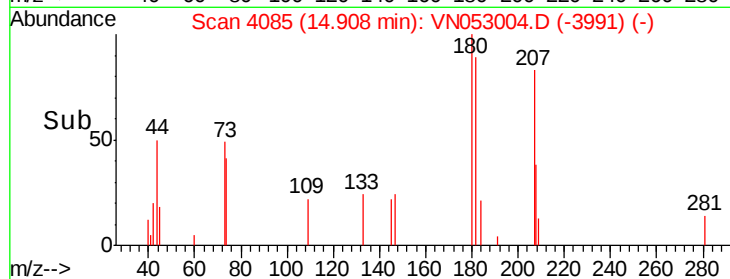
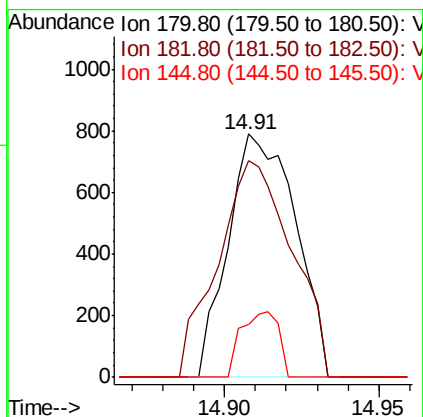
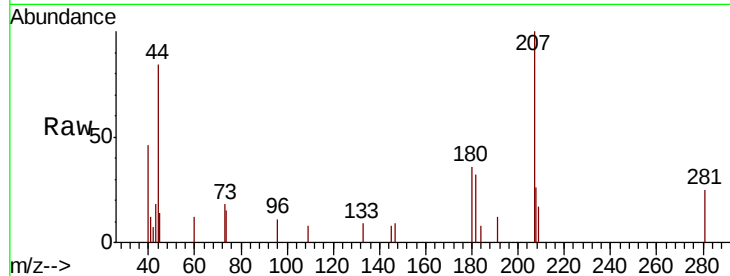




#93
 1,2,4-Trichlorobenzene
 Concen: 0.695 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053004.D
 Acq: 19 Dec 2018 12:09

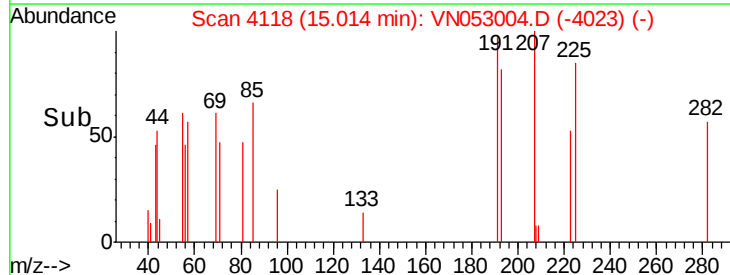
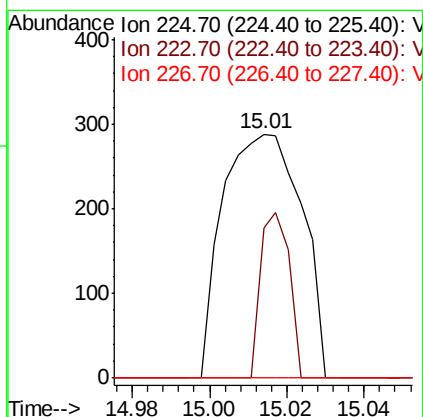
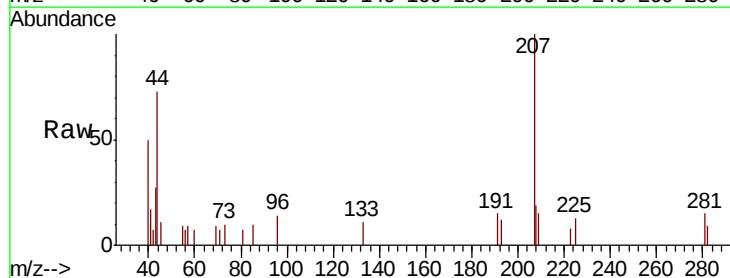
Instrument :
 MSVOA_N
 ClientSampleId :
 P001-SS016-0006-02ME

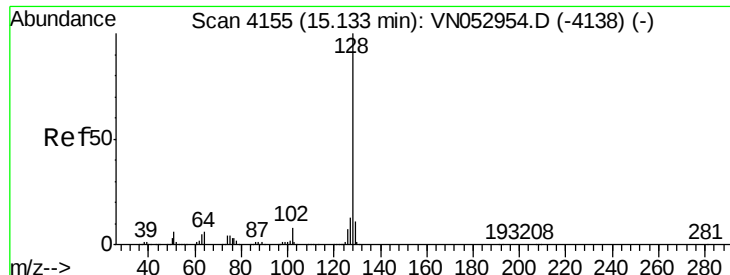
Tot Ion:180 Resp: 1196
 Ion Ratio Lower Upper
 180 100
 182 98.0 47.8 143.3
 145 14.9 14.2 42.6



#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN053004.D
 Acq: 19 Dec 2018 12:09

Tgt Ion:225 Resp: 409
 Ion Ratio Lower Upper
 225 100
 223 24.7 31.5 94.5#
 227 0.0 31.9 95.7#





#95

Naphthalene

Concen: 1.284 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN053004.D

Acq: 19 Dec 2018 12:09

Instrument :

MSVOA_N

ClientSampleId :

P001-SS016-0006-02ME

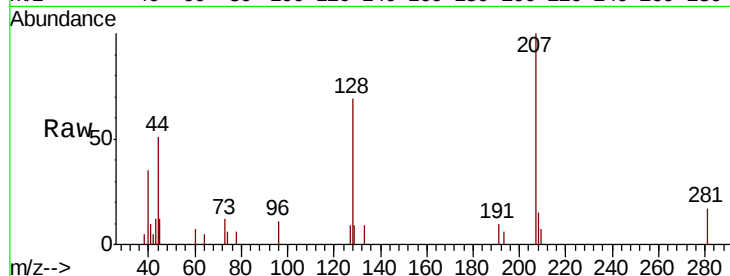
Tot Ion:128 Resp: 3672

Ion Ratio Lower Upper

128 100

127 9.0 10.2 15.4#

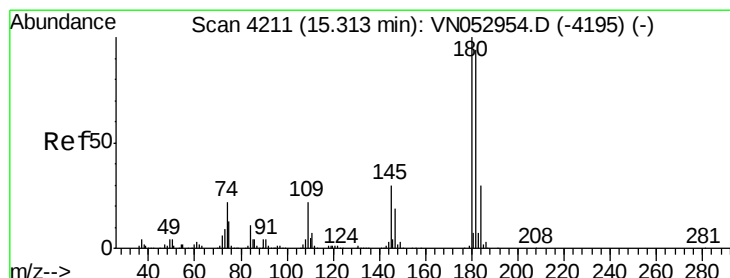
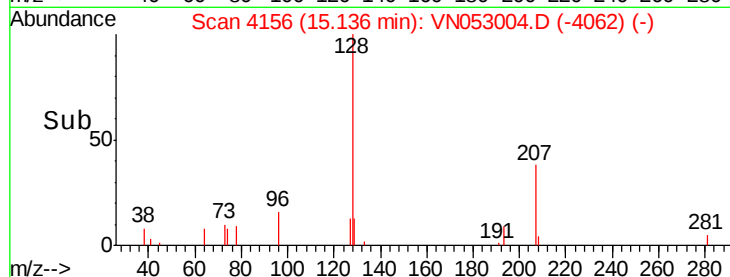
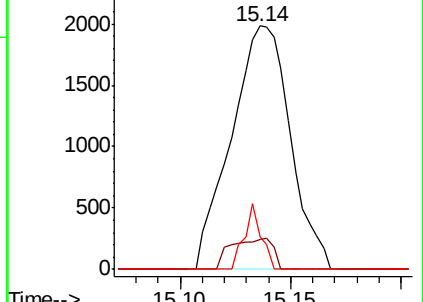
129 7.7 8.6 13.0#



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



#96

1,2,3-Trichlorobenzene

Concen: 0.599 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN053004.D

Acq: 19 Dec 2018 12:09

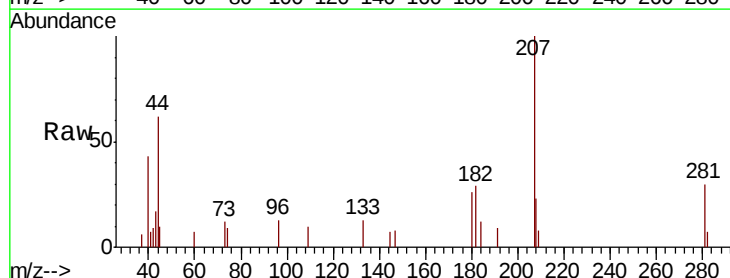
Tgt Ion:180 Resp: 987

Ion Ratio Lower Upper

180 100

182 117.1 47.9 143.7

145 24.0 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

