

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100419\
 Data File : VN058534.D
 Acq On : 4 Oct 2019 12:53
 Operator : JC/SP
 Sample : K5197-12
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 04 23:36:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 30 08:07:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	424941	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	693123	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	598147	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	243700	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	305754	49.24	ug/l	0.00
Spiked Amount			Recovery	=	98.48%	
35) Dibromofluoromethane	7.57	113	213885	50.35	ug/l	0.00
Spiked Amount			Recovery	=	100.70%	
50) Toluene-d8	10.08	98	864654	51.96	ug/l	0.00
Spiked Amount			Recovery	=	103.92%	
62) 4-Bromofluorobenzene	12.41	95	283941	47.19	ug/l	0.00
Spiked Amount			Recovery	=	94.38%	

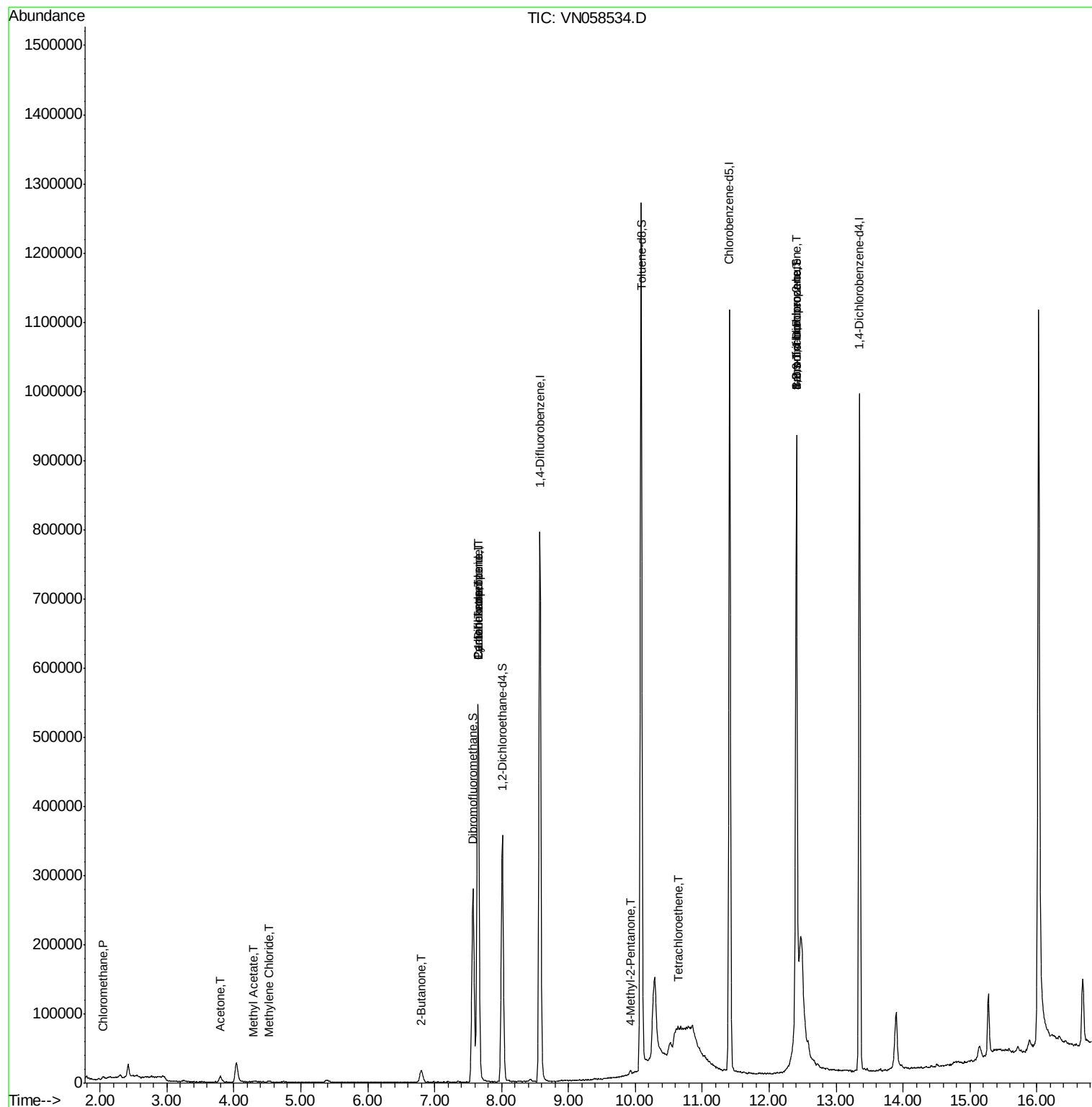
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	2391	0.467	ug/l	93
16) Acetone	3.80	43	13884	6.559	ug/l	96
18) Methyl Acetate	4.31	43	2695	0.506	ug/l #	53
20) Methylene Chloride	4.52	84	1252	0.256	ug/l #	60
25) 2-Butanone	6.81	43	1571	0.541	ug/l #	50
31) Cyclohexane	7.65	56	11263	1.311	ug/l #	31
36) 1,1-Dichloropropene	7.65	75	36885	5.565	ug/l #	51
38) Carbon Tetrachloride	7.65	117	43342	7.245	ug/l #	15
51) 4-Methyl-2-Pentanone	9.92	43	2531	0.466	ug/l #	37
60) Dibromochloromethane	10.63	129	670	Below Cal	#	11
64) Tetrachloroethene	10.63	164	883	0.232	ug/l	89
71) Bromoform	12.41	173	596	0.907	ug/l #	1
76) 1,2,3-Trichloropropane	12.41	75	156335	35.122	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.41	75	156335	106.670	ug/l #	7
96) 1,2,3-Trichlorobenzene	15.37	180	100	Below Cal	#	12

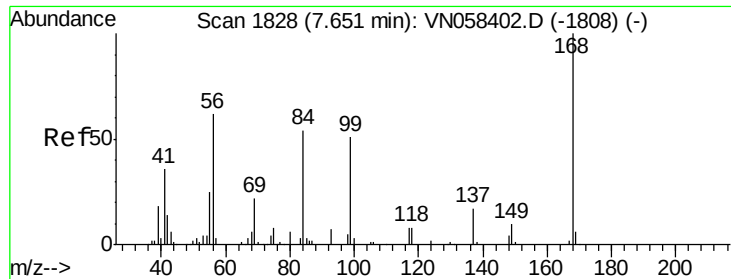
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN058534.D

Acq: 4 Oct 2019 12:53

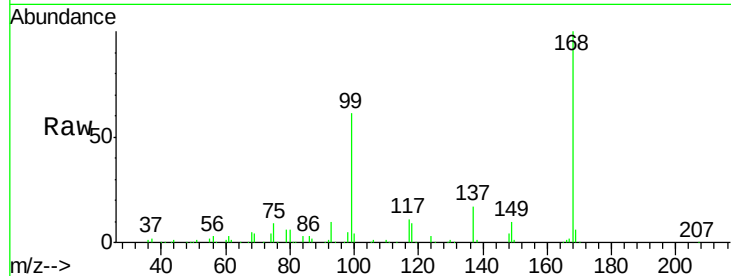
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 424941

Ion Ratio Lower Upper

168 100

99 61.4 47.7 71.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

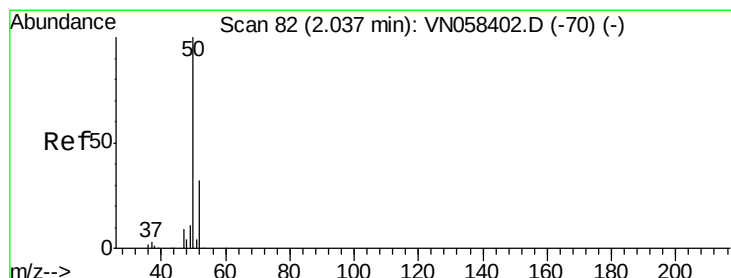
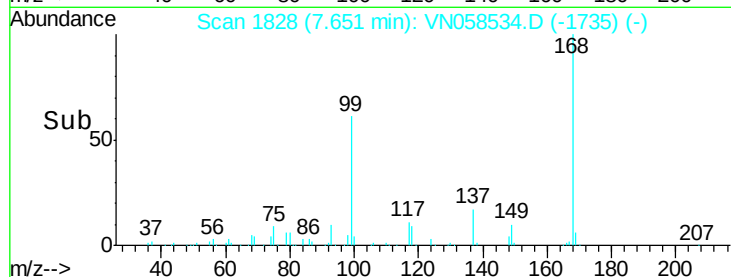
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.467 ug/l

RT: 2.04 min Scan# 84

Delta R.T. 0.01 min

Lab File: VN058534.D

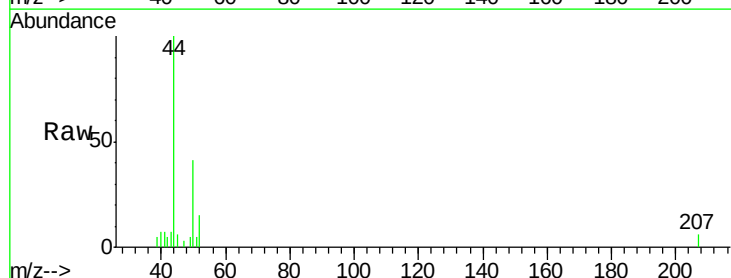
Acq: 4 Oct 2019 12:53

Tgt Ion: 50 Resp: 2391

Ion Ratio Lower Upper

50 100

52 36.3 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.04

2000

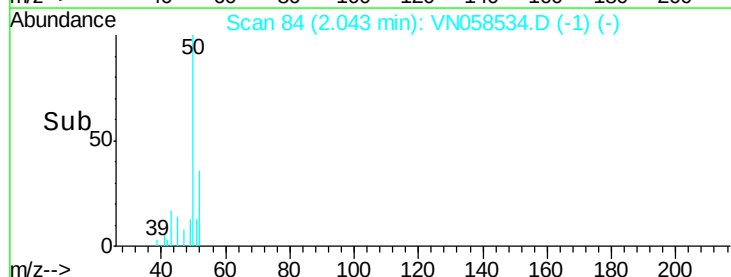
1500

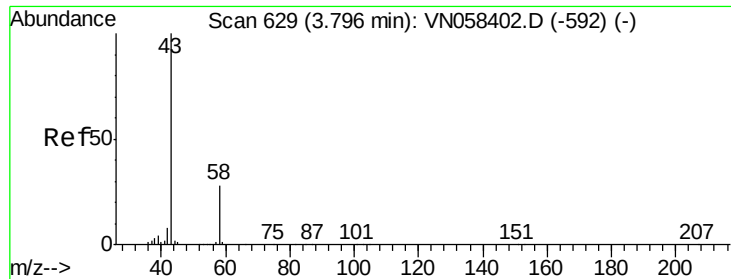
1000

500

0

Time-->





#16

Acetone

Concen: 6.559 ug/l

RT: 3.80 min Scan# 630

Delta R.T. 0.00 min

Lab File: VN058534.D

Acq: 4 Oct 2019 12:53

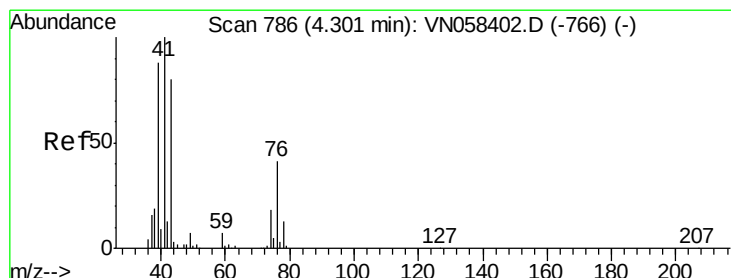
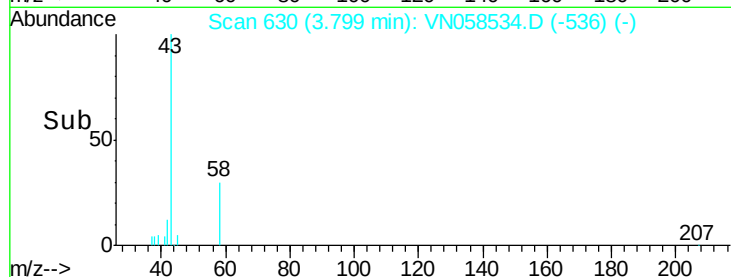
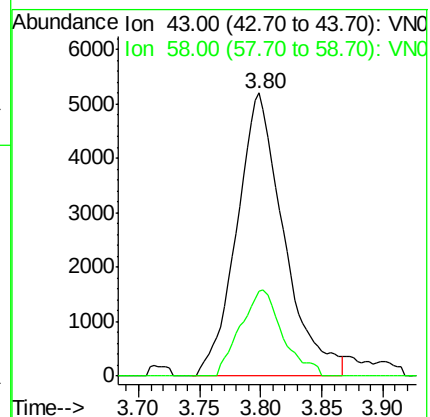
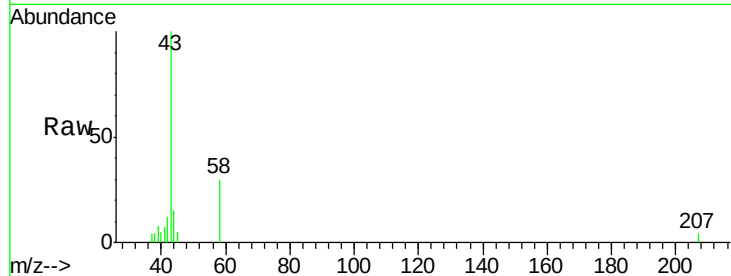
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 13884

Ion Ratio Lower Upper

43 100

58 29.9 22.4 33.6



#18

Methyl Acetate

Concen: 0.506 ug/l

RT: 4.31 min Scan# 788

Delta R.T. 0.01 min

Lab File: VN058534.D

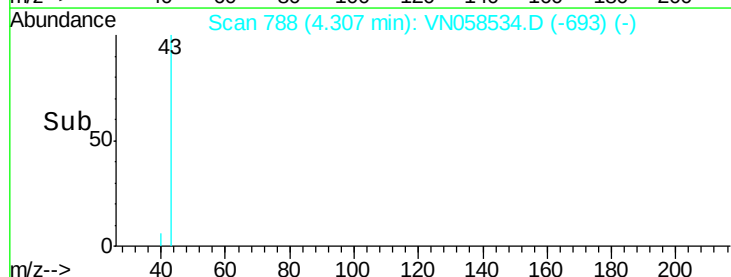
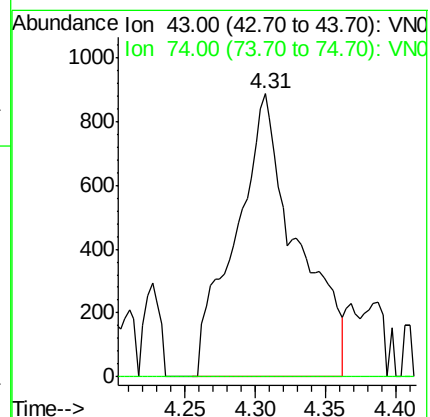
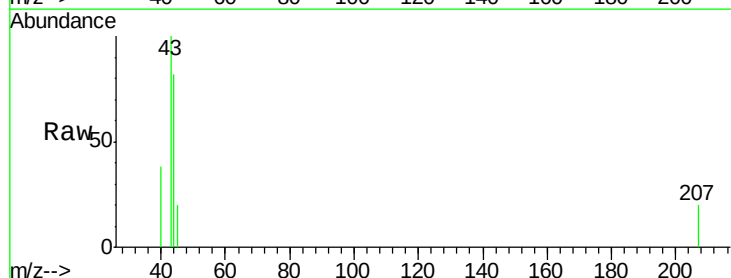
Acq: 4 Oct 2019 12:53

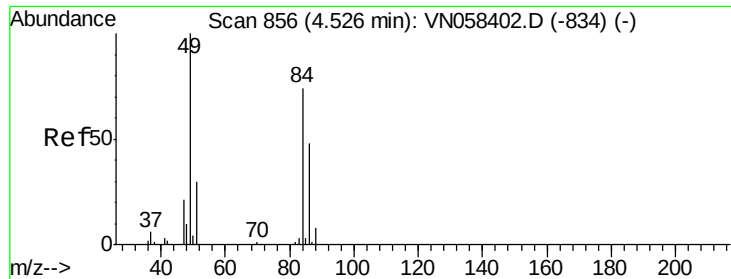
Tgt Ion: 43 Resp: 2695

Ion Ratio Lower Upper

43 100

74 0.0 18.0 27.0#

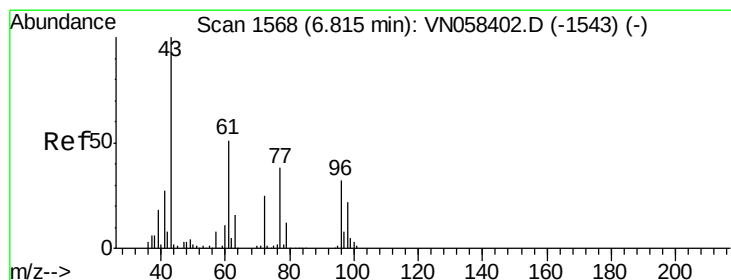
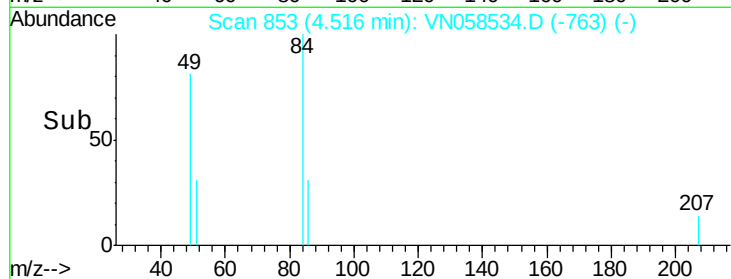
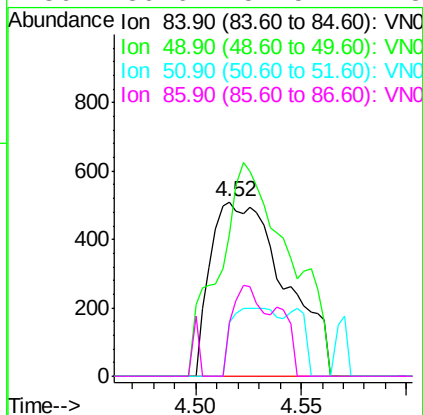
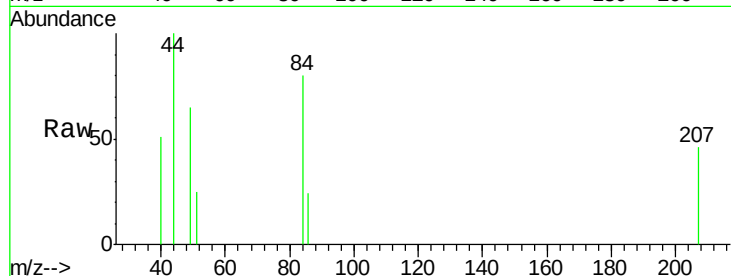




#20
Methvlene Chloride
Concen: 0.256 ug/l
RT: 4.52 min Scan# 853
Delta R.T. -0.01 min
Lab File: VN058534.D
Acq: 4 Oct 2019 12:53

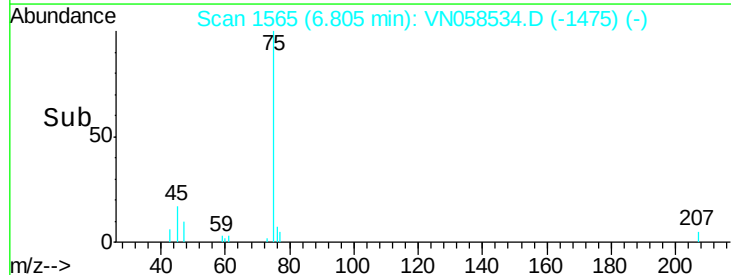
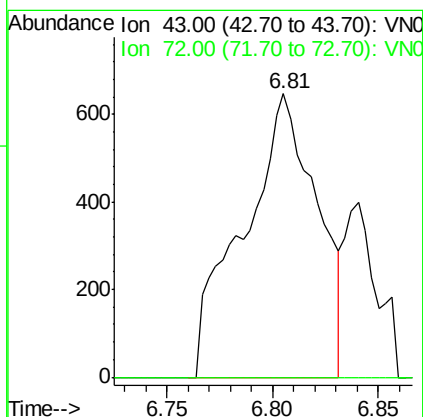
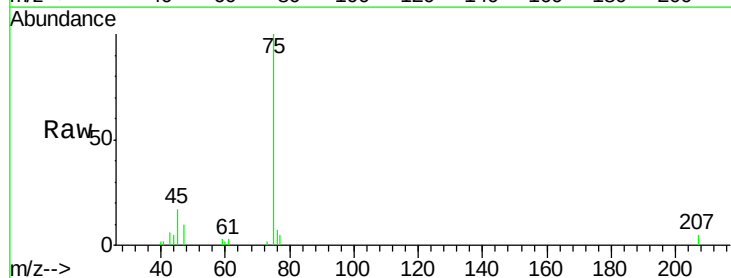
Instrument :
MSVOA_N
ClientSampleId :

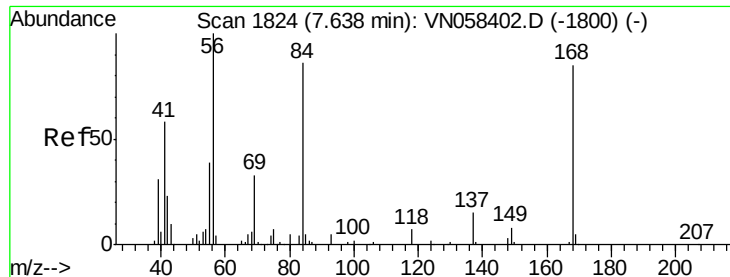
Tot Ion: 84 Resp: 1252
Ion Ratio Lower Upper
84 100
49 81.2 107.9 161.9#
51 30.8 32.8 49.2#
86 30.6 51.5 77.3#



#25
2-Butanone
Concen: 0.541 ug/l
RT: 6.81 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VN058534.D
Acq: 4 Oct 2019 12:53

Tgt Ion: 43 Resp: 1571
Ion Ratio Lower Upper
43 100
72 0.0 20.2 30.4#

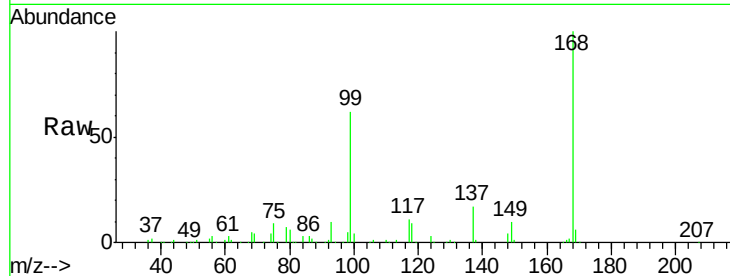




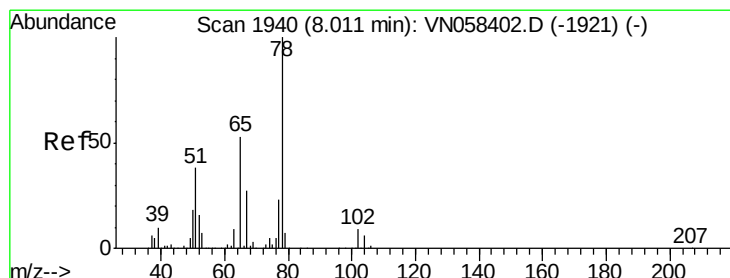
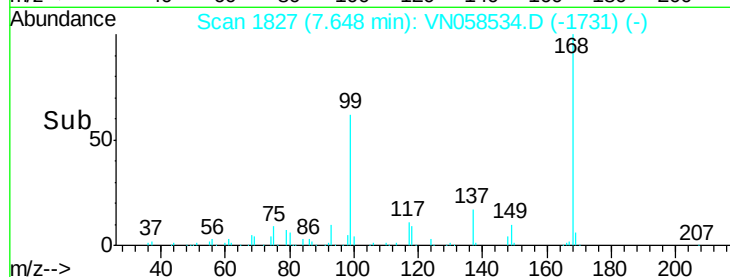
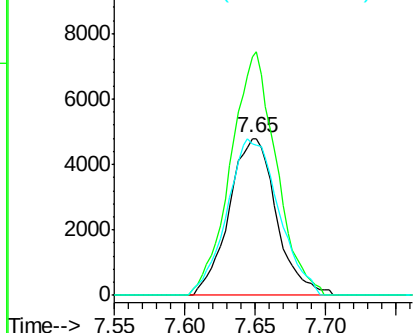
#31
Cyclohexane
Concen: 1.311 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. 0.01 min
Lab File: VN058534.D
Acq: 4 Oct 2019 12:53

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 11263
Ion Ratio Lower Upper
56 100
69 152.2 26.2 39.4#
84 96.6 67.6 101.4

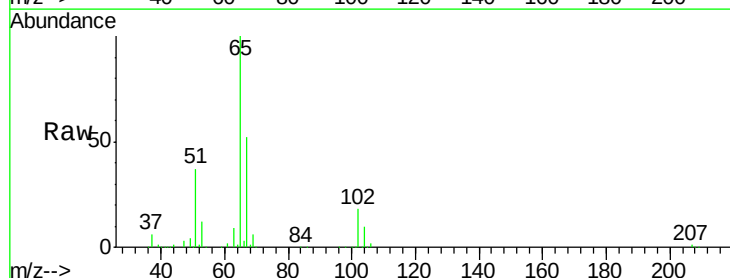


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

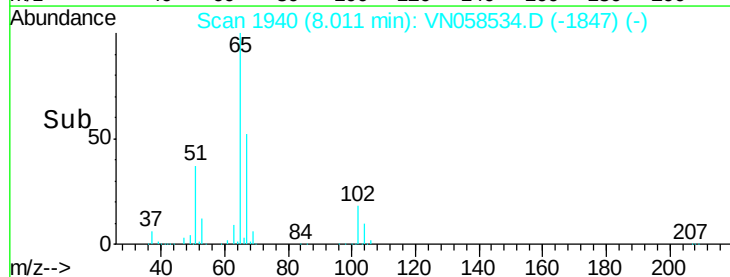
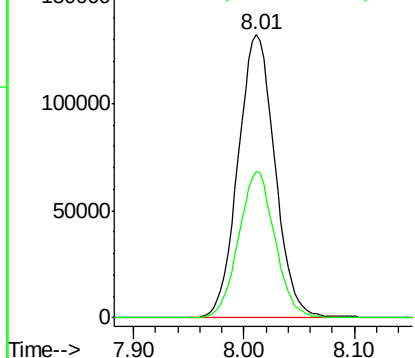


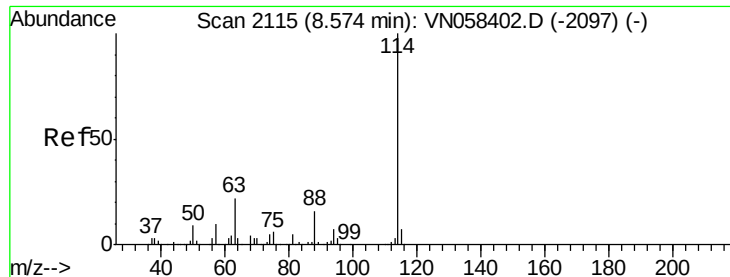
#33
1,2-Dichloroethane-d4
Concen: 49.237 ug/l
RT: 8.01 min Scan# 1940
Delta R.T. 0.00 min
Lab File: VN058534.D
Acq: 4 Oct 2019 12:53

Tgt Ion: 65 Resp: 305754
Ion Ratio Lower Upper
65 100
67 50.8 0.0 102.4



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

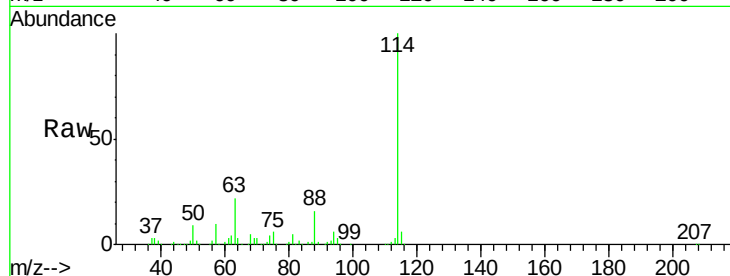




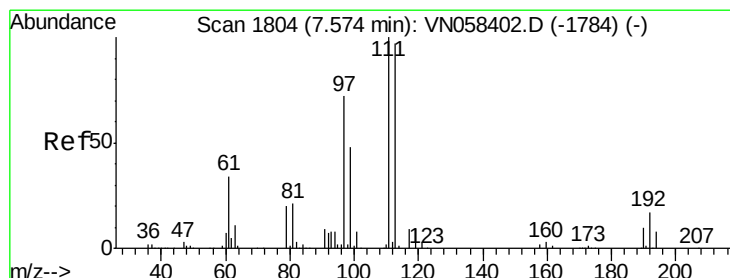
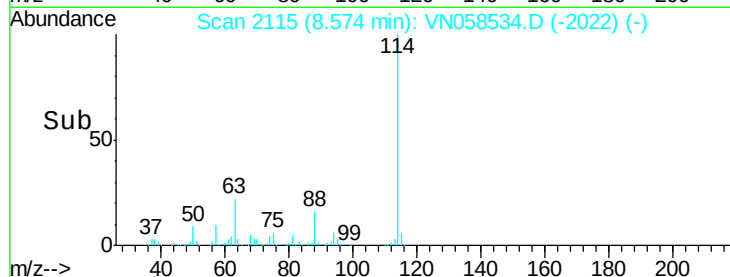
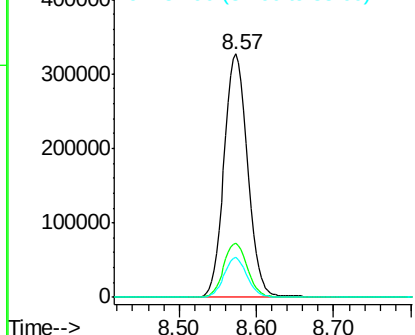
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058534.D
 Acq: 4 Oct 2019 12:53

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	22.1	0.0	45.0
88	16.3	0.0	32.2

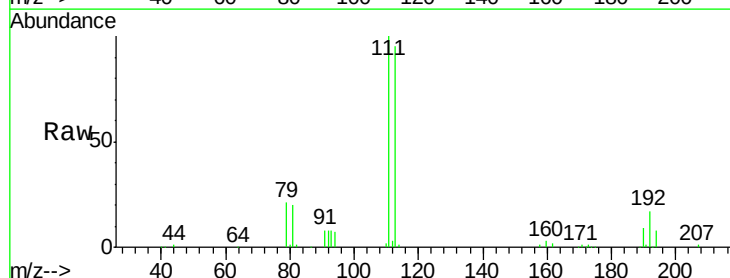


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

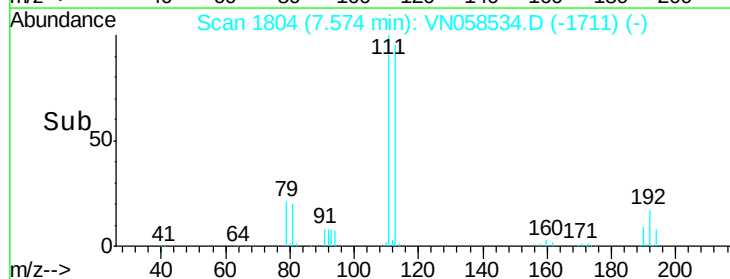
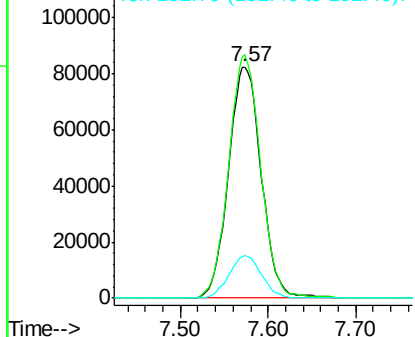


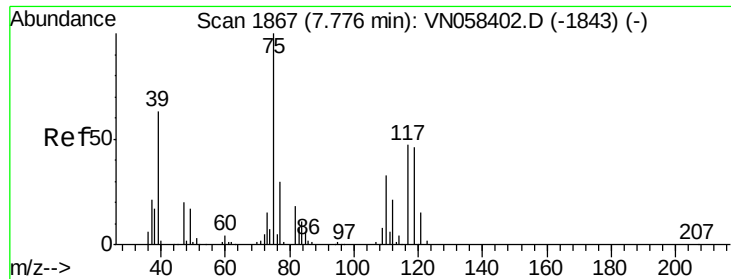
#35
 Dibromofluoromethane
 Concen: 50.349 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN058534.D
 Acq: 4 Oct 2019 12:53

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.9	83.4	125.2
192	18.3	14.9	22.3



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

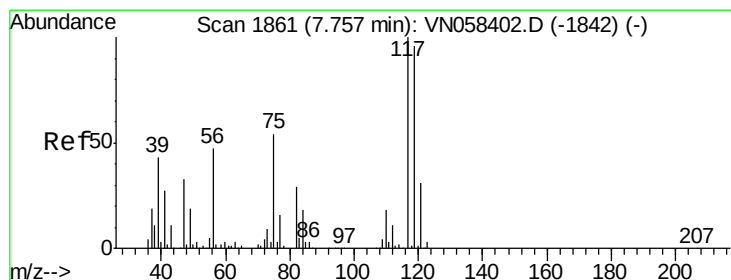
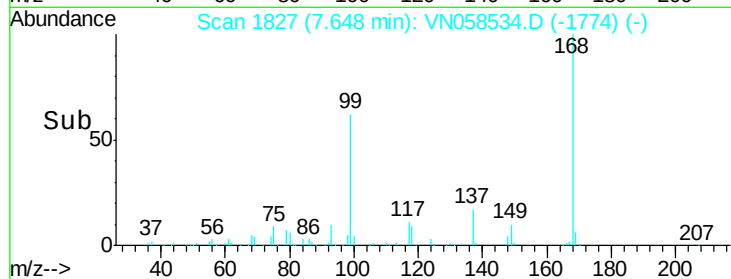
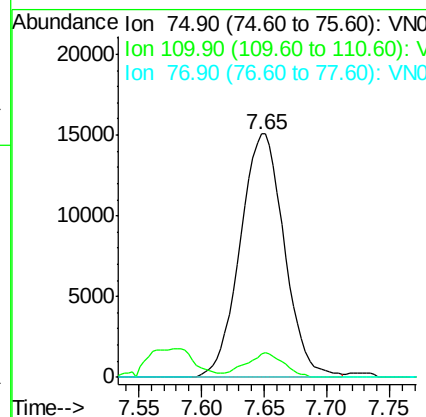
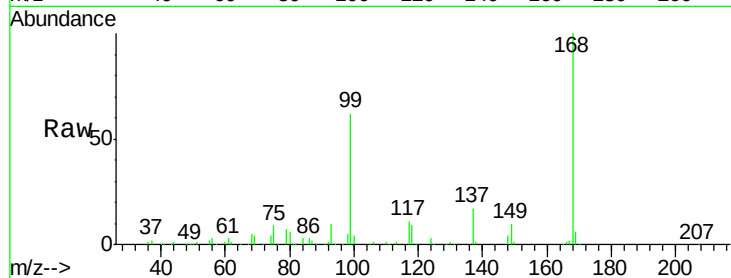




#36
 1,1-Dichloropropene
 Concen: 5.565 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. -0.13 min
 Lab File: VN058534.D
 Acq: 4 Oct 2019 12:53

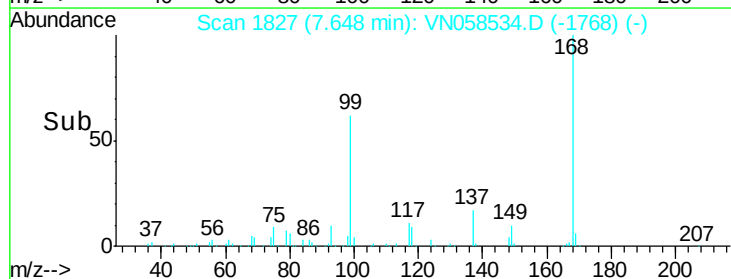
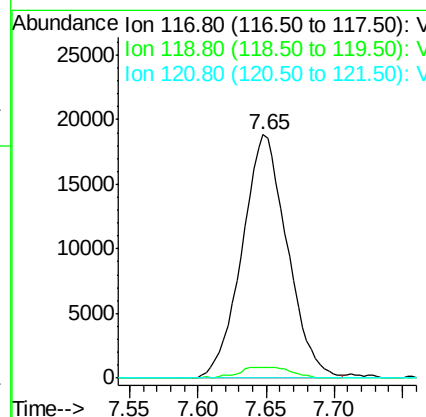
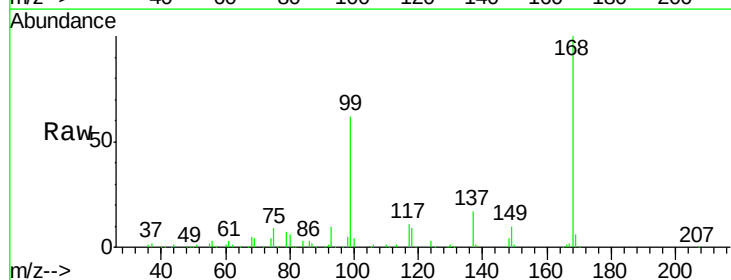
Instrument :
 MSVOA_N
 ClientSampleId :

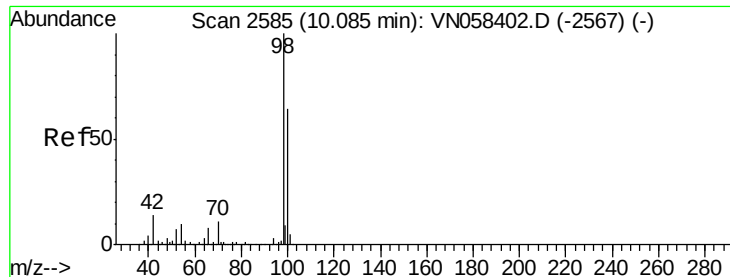
Tot Ion	75	Resp	36885
Ion Ratio	100	Lower	Upper
75	100		
110	8.8	16.4	49.2#
77	0.0	24.3	36.5#



#38
 Carbon Tetrachloride
 Concen: 7.245 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. -0.11 min
 Lab File: VN058534.D
 Acq: 4 Oct 2019 12:53

Tgt Ion	117	Resp	43342
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
117	100		
119	4.2	76.6	115.0#
121	0.0	24.7	37.1#





#50

Toluene-d8

Concen: 51.958 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN058534.D

Acq: 4 Oct 2019 12:53

Instrument :

MSVOA_N

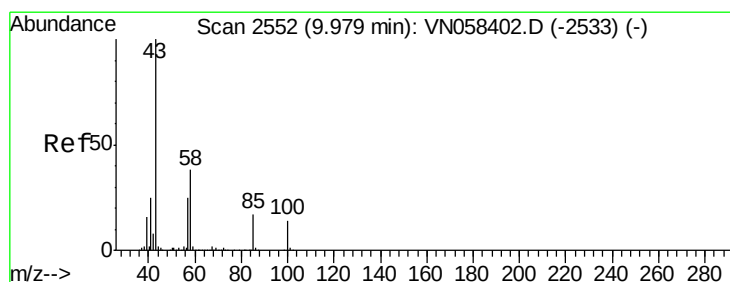
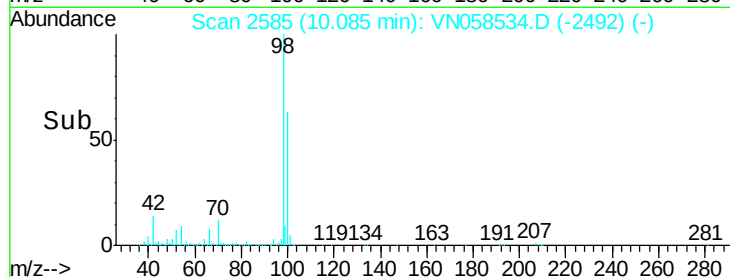
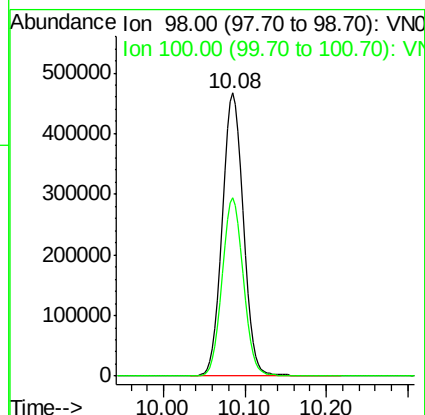
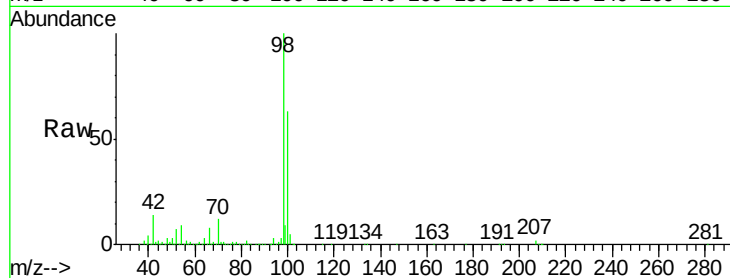
ClientSampled :

Tot Ion: 98 Resp: 864654

Ion Ratio Lower Upper

98 100

100 63.0 51.0 76.6



#51

4-Methyl-2-Pentanone

Concen: 0.466 ug/l

RT: 9.92 min Scan# 2534

Delta R.T. -0.06 min

Lab File: VN058534.D

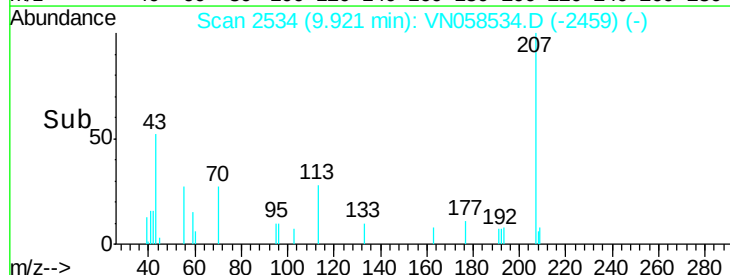
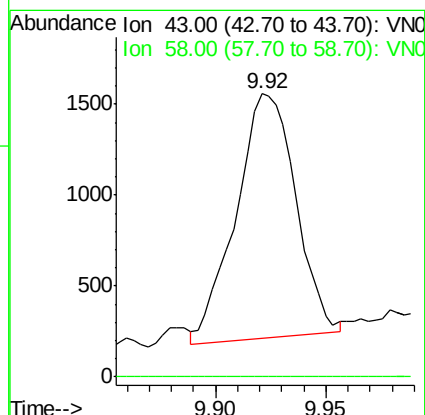
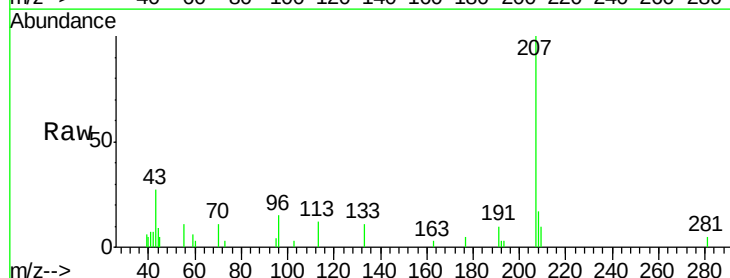
Acq: 4 Oct 2019 12:53

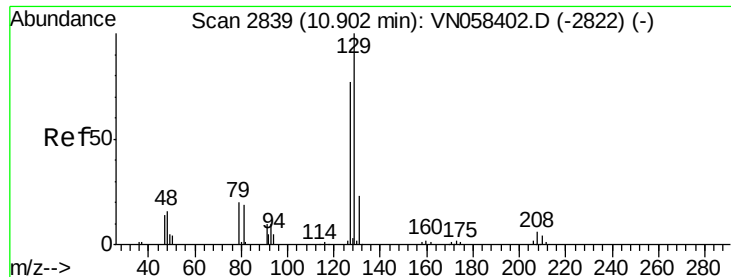
Tgt Ion: 43 Resp: 2531

Ion Ratio Lower Upper

43 100

58 0.0 30.2 45.2#





#60

Dibromochloromethane

Concen: Below Cal

RT: 10.63 min Scan# 2755

Delta R.T. -0.27 min

Lab File: VN058534.D

Acq: 4 Oct 2019 12:53

Instrument :

MSVOA_N

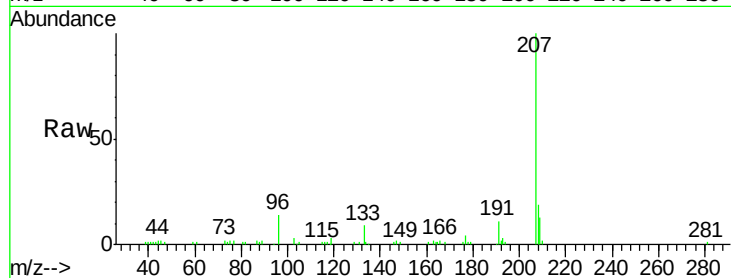
ClientSampleId :

Tot Ion:129 Resp: 670

Ion Ratio Lower Upper

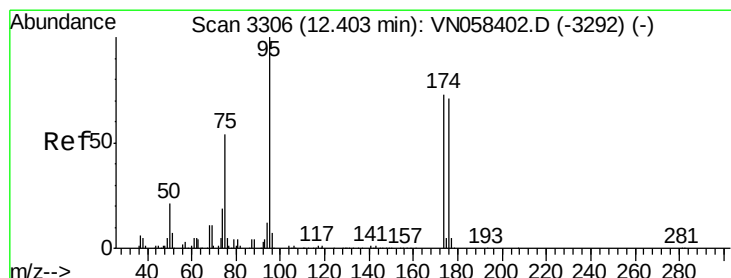
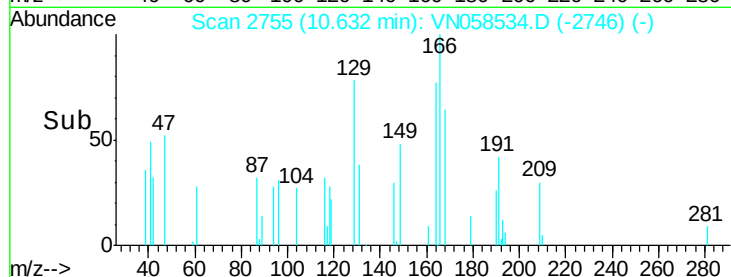
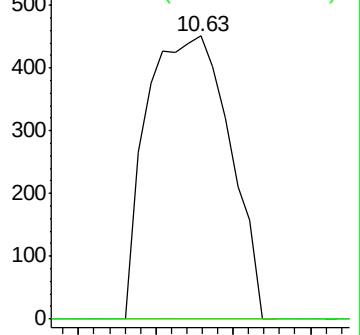
129 100

127 0.0 38.3 114.8#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 47.188 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN058534.D

Acq: 4 Oct 2019 12:53

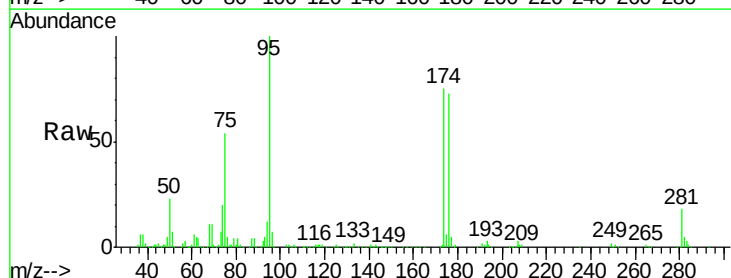
Tgt Ion: 95 Resp: 283941

Ion Ratio Lower Upper

95 100

174 74.8 0.0 150.6

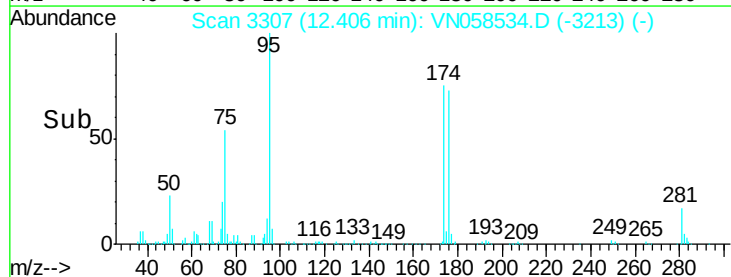
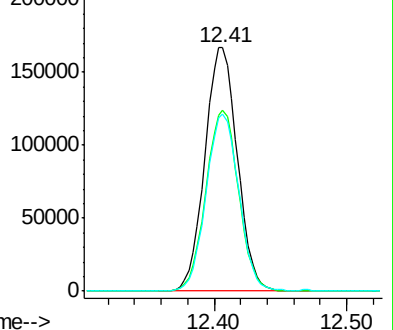
176 73.2 0.0 146.2

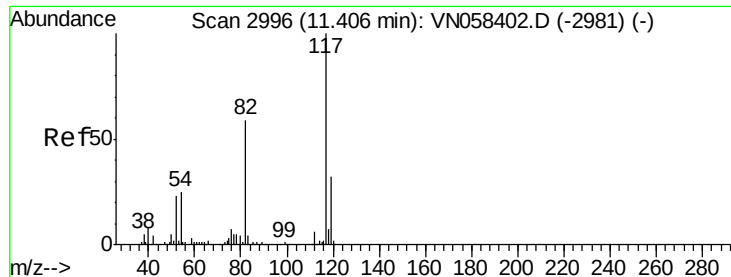


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

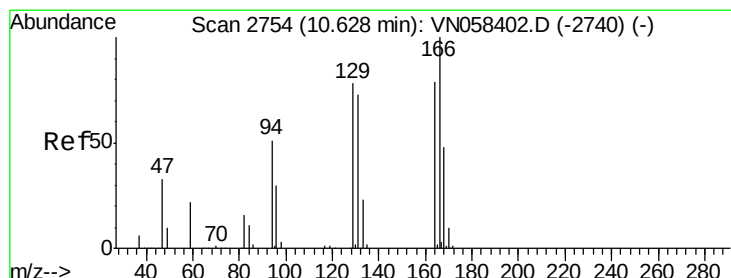
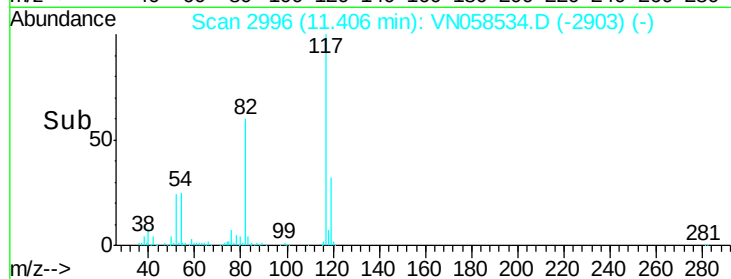
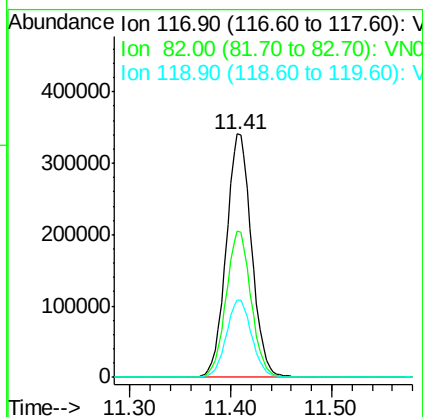
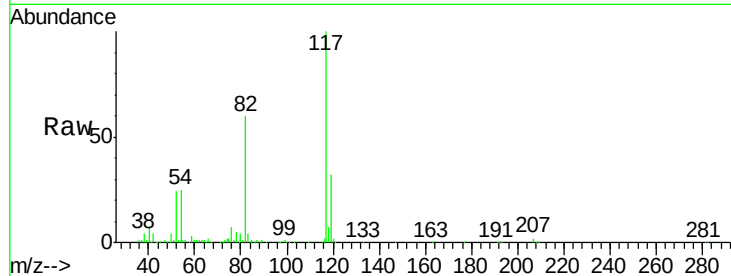




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058534.D
Acq: 4 Oct 2019 12:53

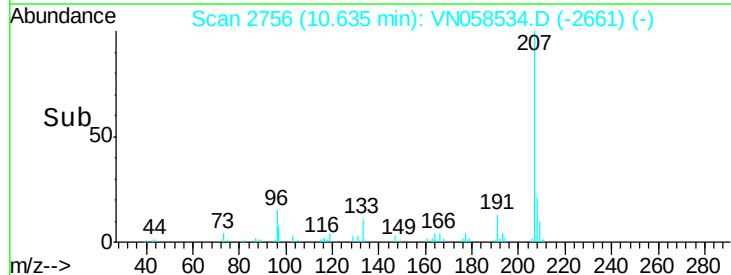
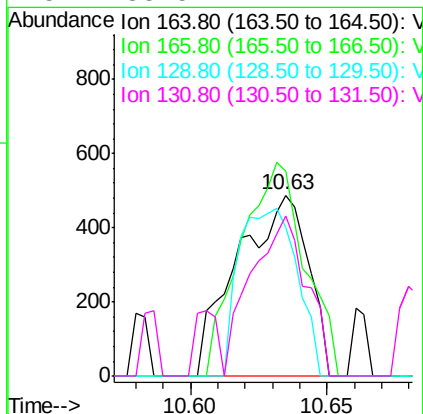
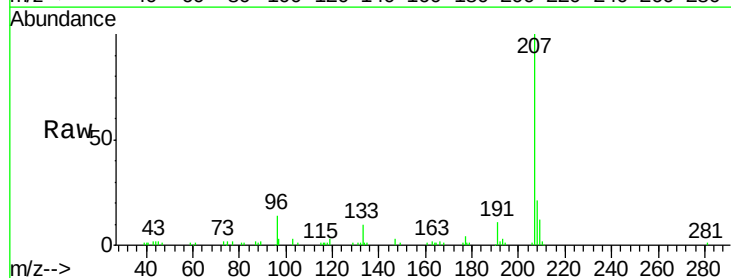
Instrument :
MSVOA_N
ClientSampleId :

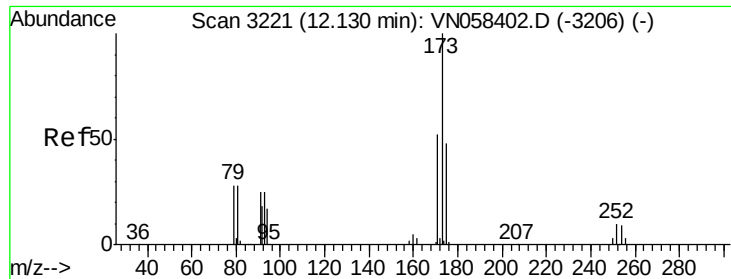
Tot Ion:117 Resp: 598147
Ion Ratio Lower Upper
117 100
82 60.2 47.4 71.0
119 31.8 25.5 38.3



#64
Tetrachloroethene
Concen: 0.232 ug/l
RT: 10.63 min Scan# 2756
Delta R.T. 0.01 min
Lab File: VN058534.D
Acq: 4 Oct 2019 12:53

Tgt Ion:164 Resp: 883
Ion Ratio Lower Upper
164 100
166 112.9 101.1 151.7
129 82.4 79.2 118.8
131 88.5 74.1 111.1

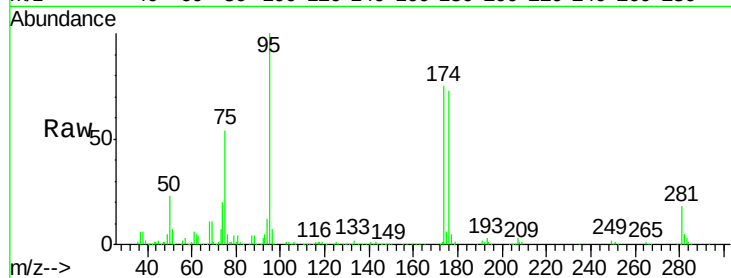




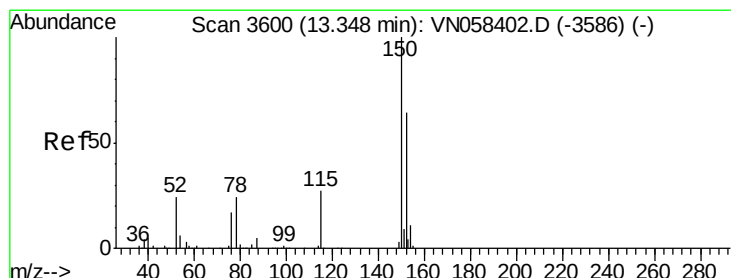
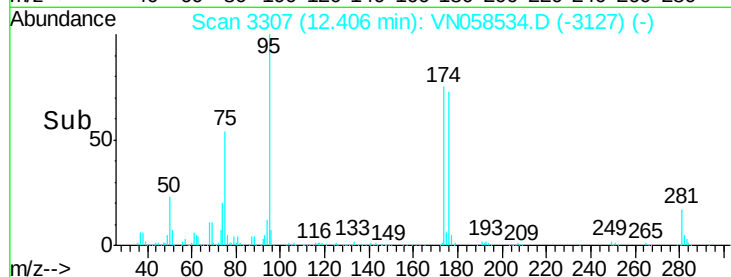
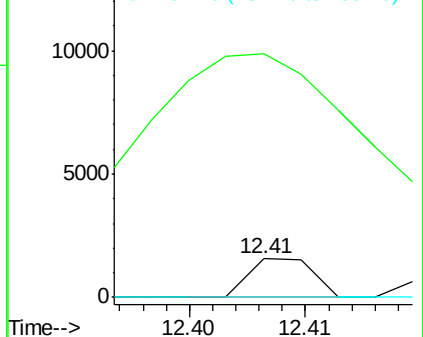
#71
Bromoform
Concen: 0.907 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. 0.28 min
Lab File: VN058534.D
Acq: 4 Oct 2019 12:53

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:173 Resp: 596
Ion Ratio Lower Upper
173 100
175 2333.7 24.3 73.0#
254 0.0 0.1 0.1#

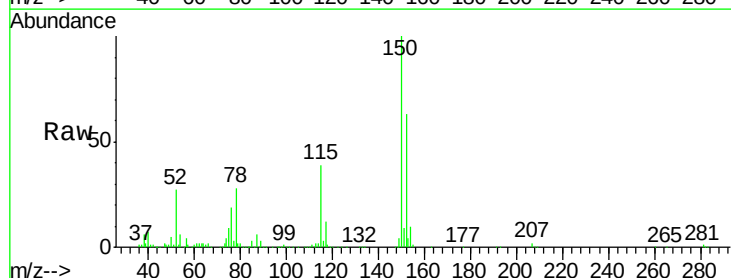


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

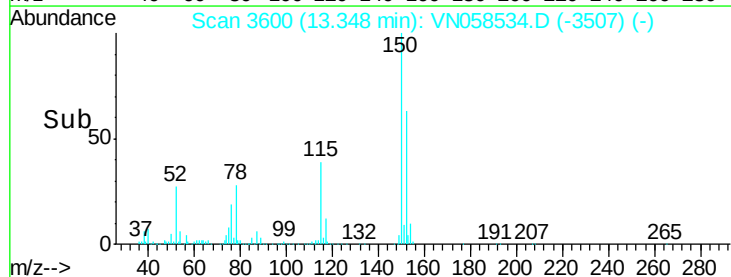
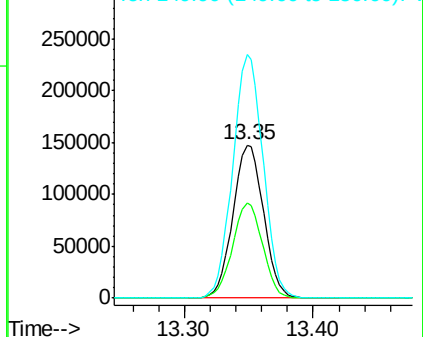


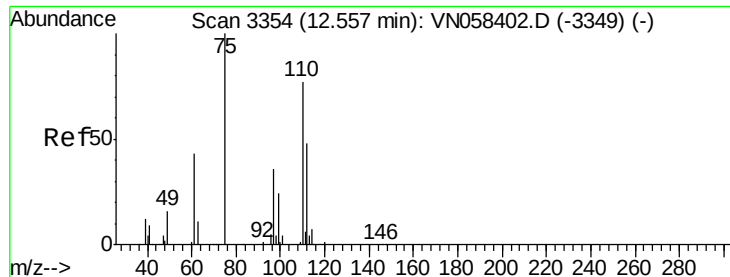
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN058534.D
Acq: 4 Oct 2019 12:53

Tgt Ion:152 Resp: 243700
Ion Ratio Lower Upper
152 100
115 61.3 30.0 90.0
150 157.9 0.0 348.2



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: 35.122 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. -0.15 min

Lab File: VN058534.D

Acq: 4 Oct 2019 12:53

Instrument :

MSVOA_N

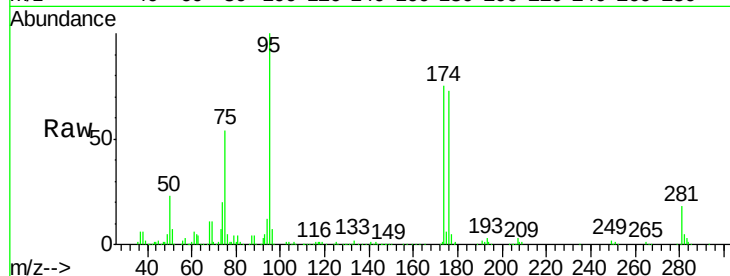
ClientSampled :

Tot Ion: 75 Resp: 156335

Ion Ratio Lower Upper

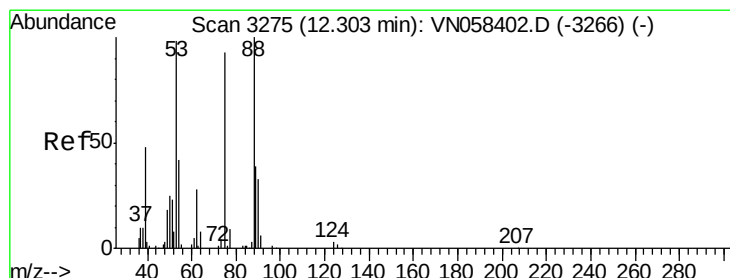
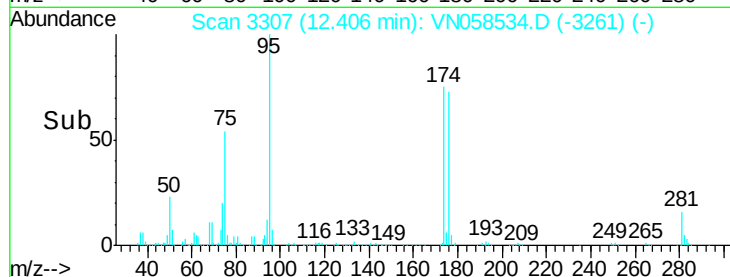
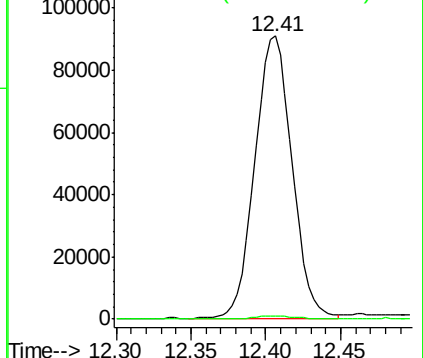
75 100

77 1.8 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: 106.670 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.10 min

Lab File: VN058534.D

Acq: 4 Oct 2019 12:53

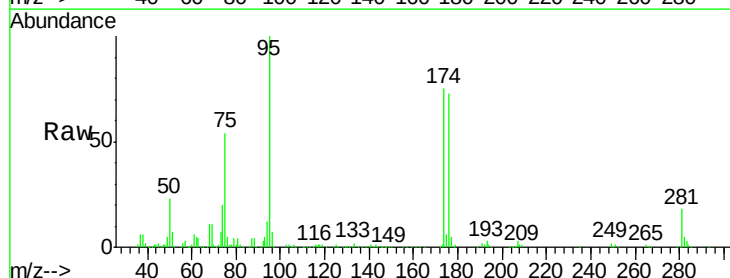
Tgt Ion: 75 Resp: 156335

Ion Ratio Lower Upper

75 100

53 0.0 85.4 128.0#

89 0.0 35.0 52.4#



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

