

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN053119\
 Data File : VN055927.D
 Acq On : 31 May 2019 18:29
 Operator : JC/SP
 Sample : K3129-20
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LF012RW042-190529

Quant Time: Jun 01 02:03:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 24 06:41:54 2019
 Response via : Initial Calibration

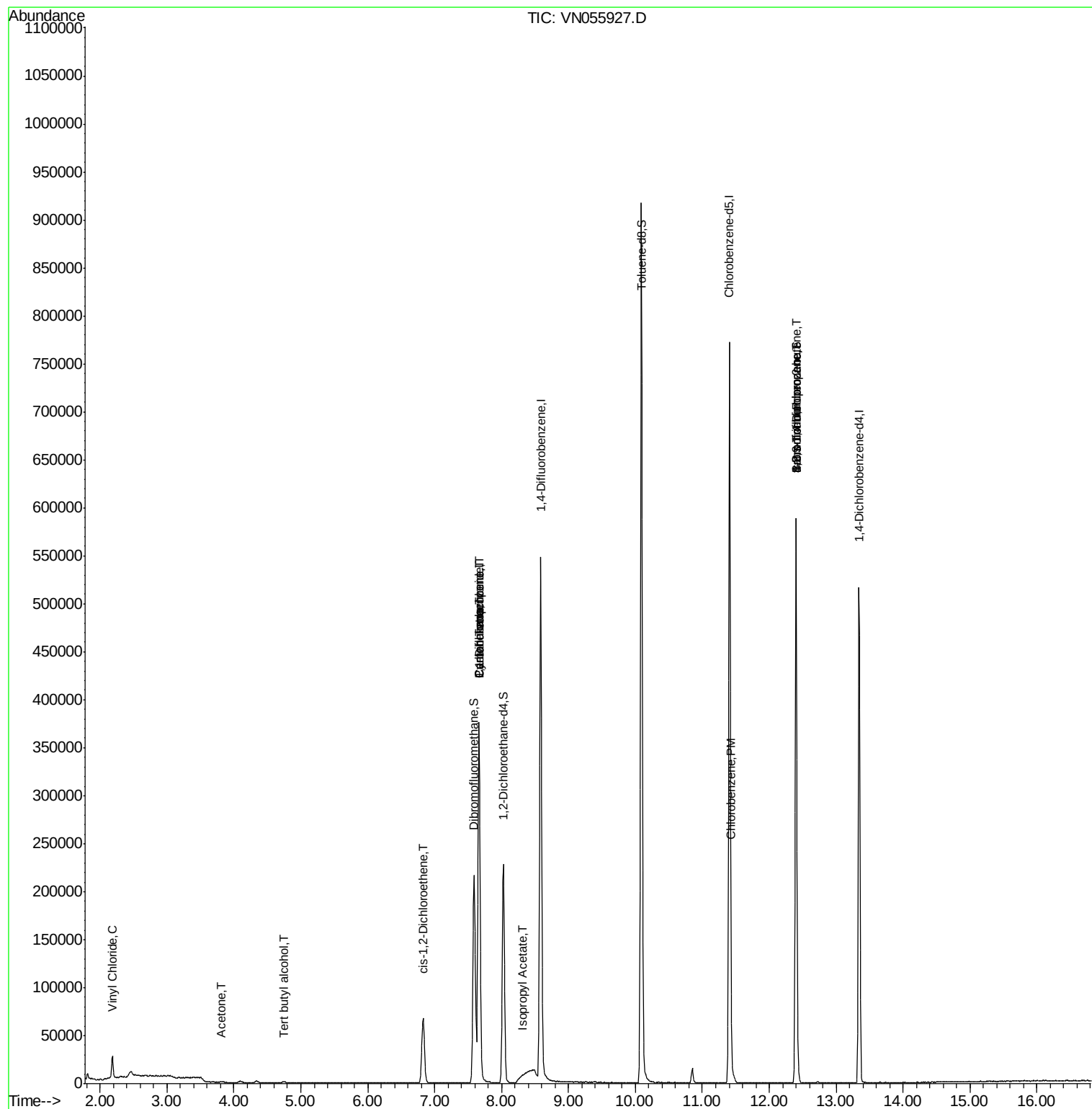
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	353181	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	533886	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	489527	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	157082	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	193969	53.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.36%	
35) Dibromofluoromethane	7.59	113	168007	49.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.54%	
50) Toluene-d8	10.09	98	681339	52.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.24%	
62) 4-Bromofluorobenzene	12.40	95	213661	48.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.26%	
Target Compounds						
					Qvalue	
4) Vinyl Chloride	2.18	62	20688	5.824	ug/l	99
11) Tert butyl alcohol	4.74	59	1219	1.749	ug/l #	74
16) Acetone	3.81	43	675	0.421	ug/l #	41
27) cis-1,2-Dichloroethene	6.83	96	46595	12.376	ug/l	89
31) Cyclohexane	7.66	56	5438	0.993	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	20832	4.478	ug/l #	48
38) Carbon Tetrachloride	7.66	117	29708	6.130	ug/l #	15
43) Isopropyl Acetate	8.31	43	12244	1.621	ug/l #	53
65) Chlorobenzene	11.44	112	5277	0.538	ug/l	97
71) Bromoform	12.40	173	1550	0.465	ug/l #	1
74) N-amyl acetate	12.05	43	63	Below Cal	#	43
76) 1,2,3-Trichloropropane	12.40	75	97710	35.192	ug/l #	100
79) 2-Chlorotoluene	12.40	91	526	Below Cal	#	39
81) trans-1,4-Dichloro-2-buten	12.40	75	97710	83.693	ug/l #	15

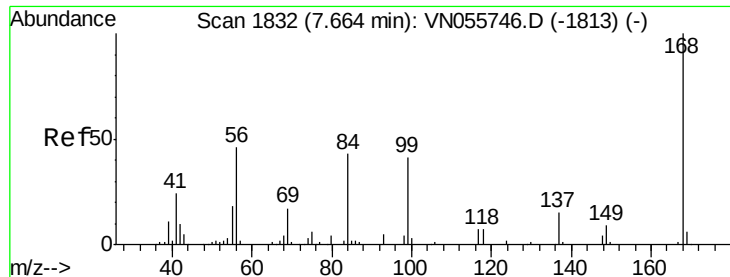
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri May 24 06:41:54 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN055927.D

Acq: 31 May 2019 18:29

Instrument :

MSVOA_N

ClientSampleId :

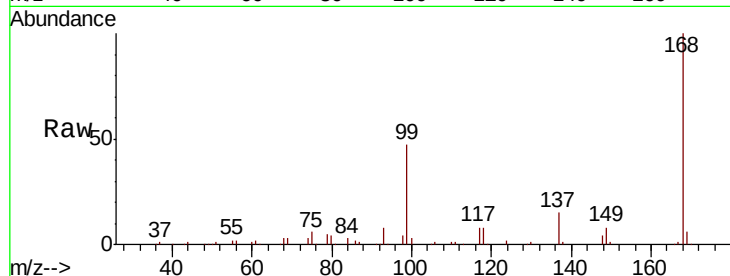
LF012RW042-190529

Tot Ion:168 Resp: 353181

Ion Ratio Lower Upper

168 100

99 47.1 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.66

150000

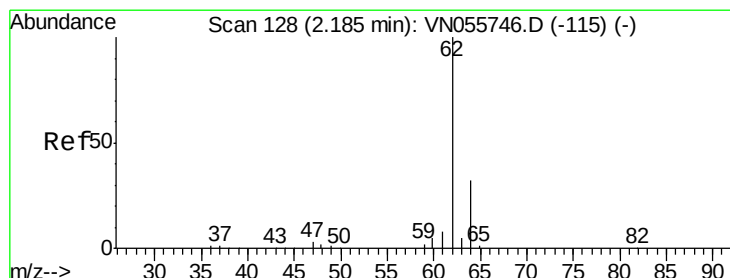
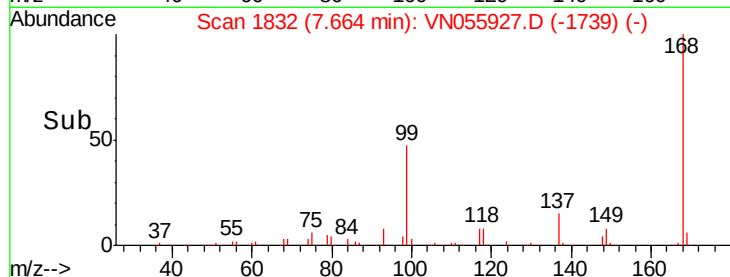
100000

50000

0

Time-->

7.60 7.70 7.80



#4

Vinyl Chloride

Concen: 5.824 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN055927.D

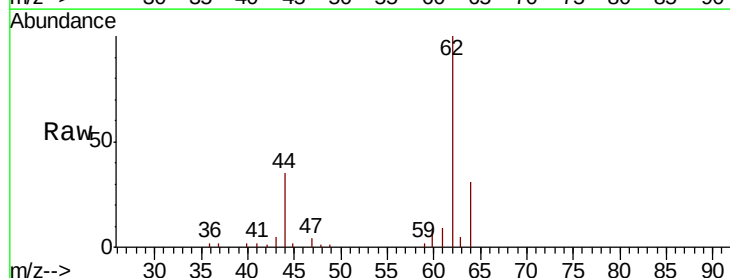
Acq: 31 May 2019 18:29

Tgt Ion: 62 Resp: 20688

Ion Ratio Lower Upper

62 100

64 31.4 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.18

15000

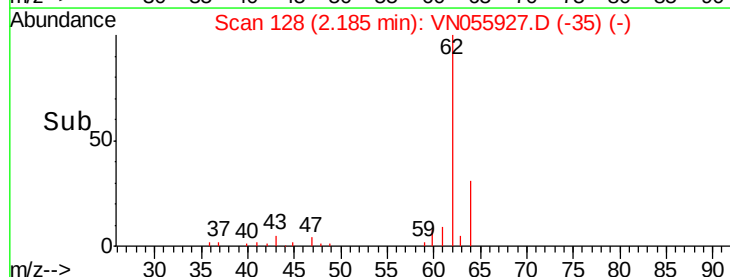
10000

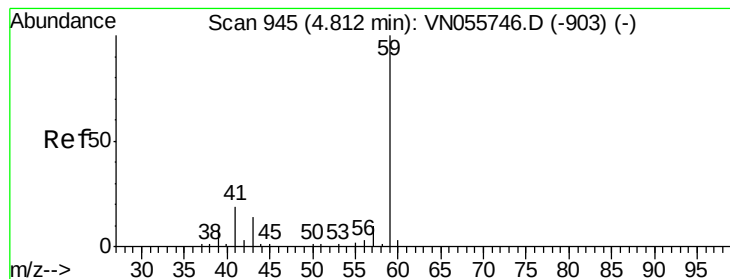
5000

0

Time-->

2.15 2.20 2.25



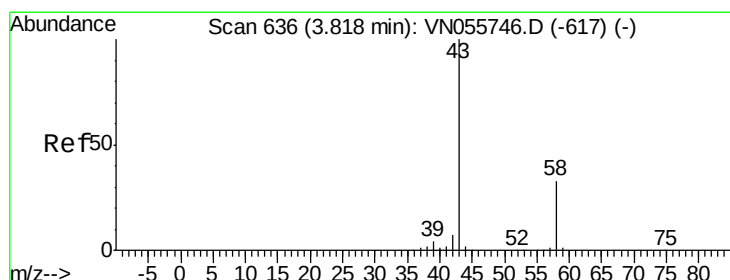
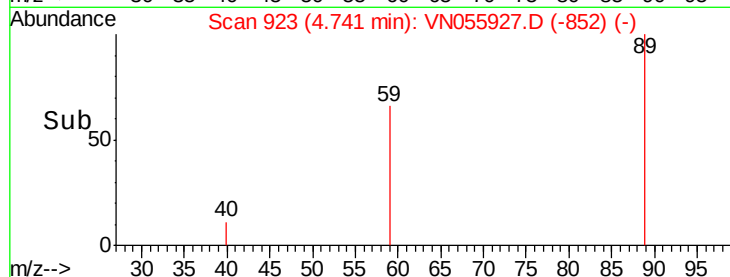
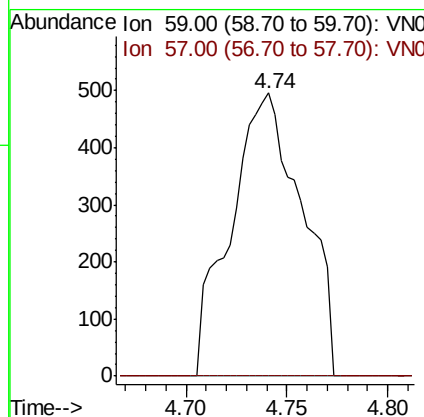
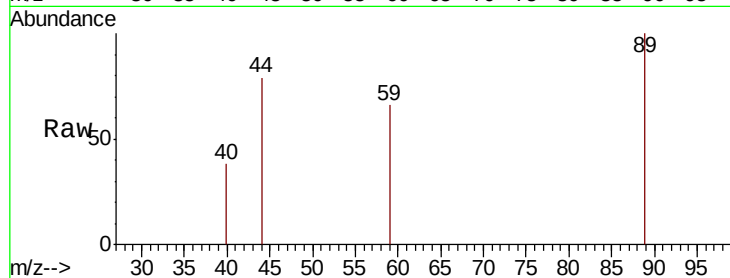


#11

Tert butyl alcohol
 Concen: 1.749 ug/l
 RT: 4.74 min Scan# 923
 Delta R.T. -0.07 min
 Lab File: VN055927.D
 Acq: 31 May 2019 18:29

Instrument :
 MSVOA_N
 ClientSampleId :
 LF012RW042-190529

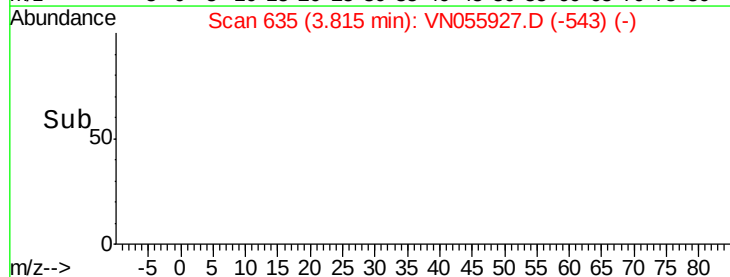
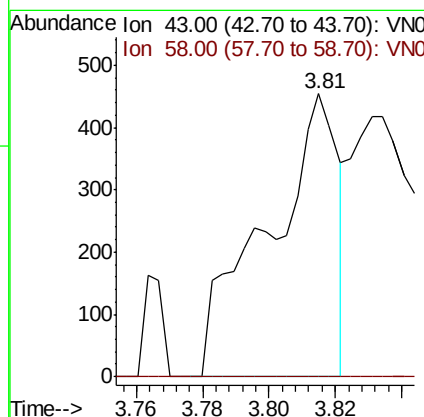
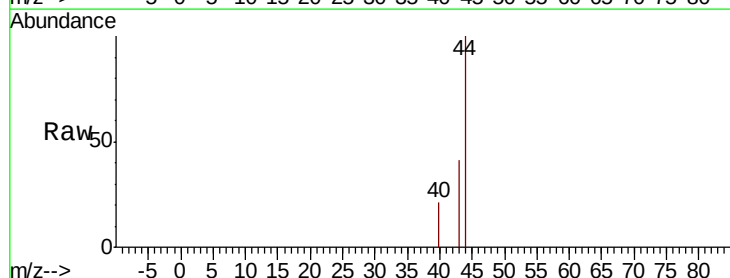
Tot Ion: 59 Resp: 1219
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.8 11.6#

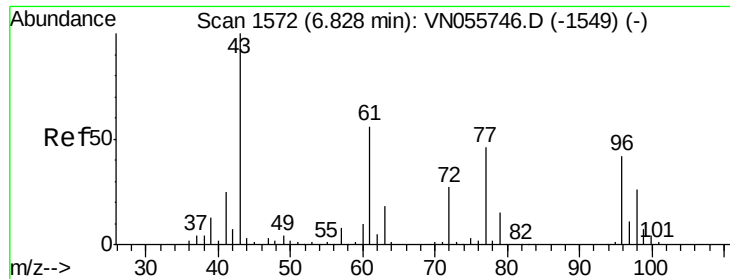


#16

Acetone
 Concen: 0.421 ug/l
 RT: 3.81 min Scan# 635
 Delta R.T. -0.00 min
 Lab File: VN055927.D
 Acq: 31 May 2019 18:29

Tgt Ion: 43 Resp: 675
 Ion Ratio Lower Upper
 43 100
 58 0.0 26.6 39.8#





#27

cis-1,2-Dichloroethene

Concen: 12.376 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN055927.D

Acq: 31 May 2019 18:29

Instrument :

MSVOA_N

ClientSampleId :

LF012RW042-190529

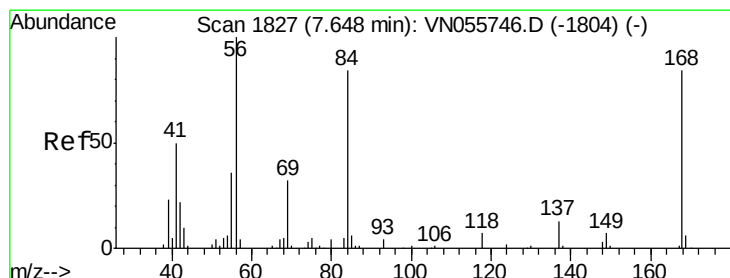
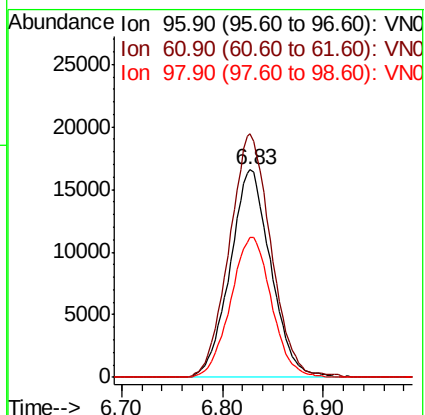
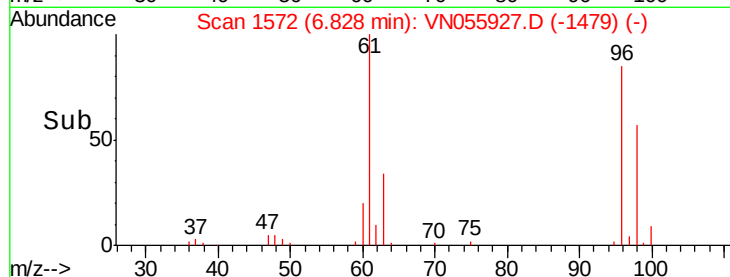
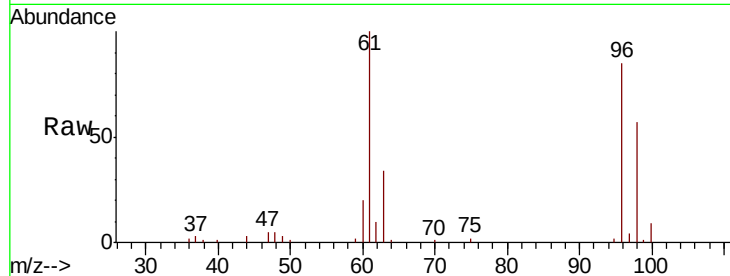
Tot Ion: 96 Resp: 46595

Ion Ratio Lower Upper

96 100

61 120.0 0.0 275.8

98 67.6 0.0 128.4



#31

Cyclohexane

Concen: 0.993 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. 0.01 min

Lab File: VN055927.D

Acq: 31 May 2019 18:29

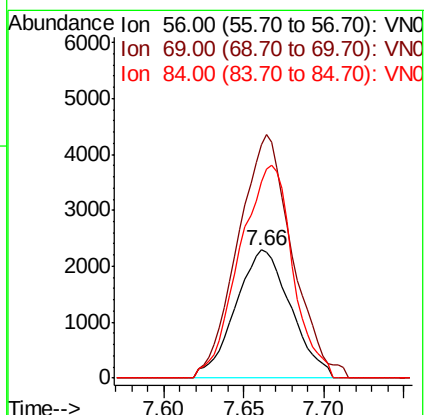
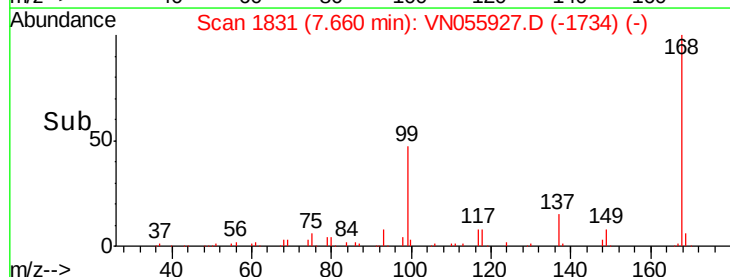
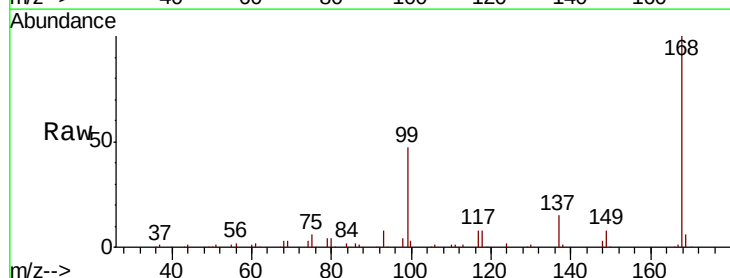
Tgt Ion: 56 Resp: 5438

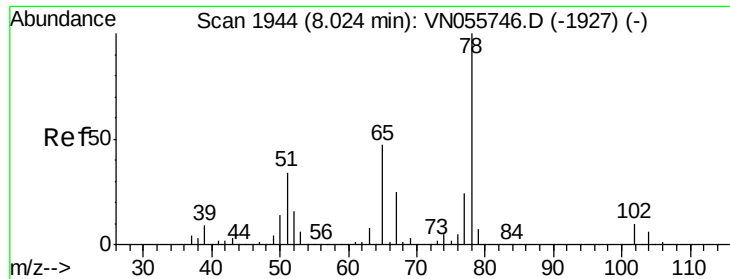
Ion Ratio Lower Upper

56 100

69 182.4 25.6 38.4#

84 152.8 67.4 101.0#

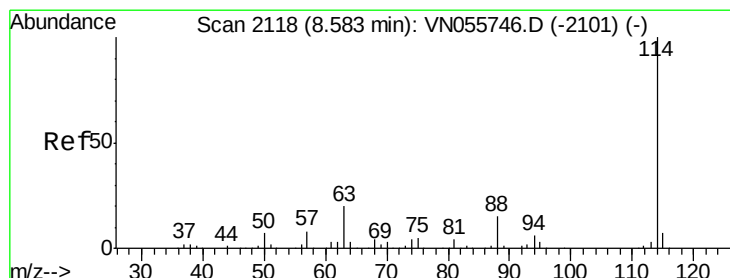
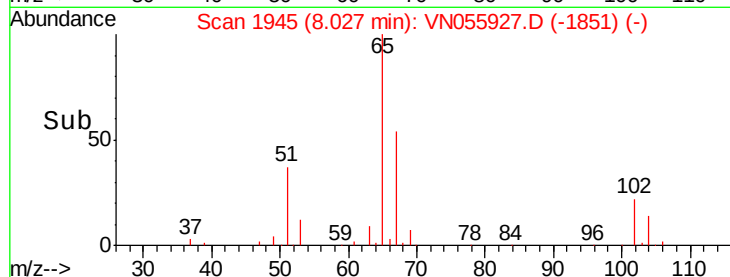
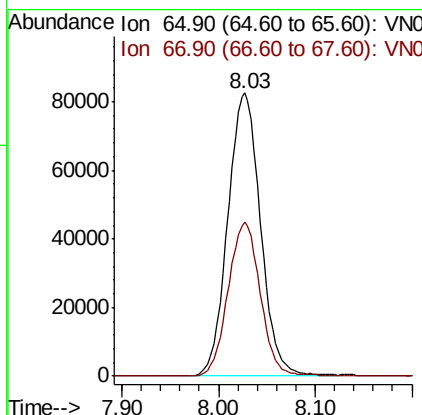
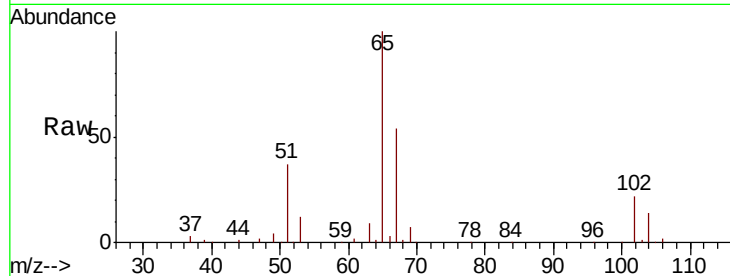




#33
 1,2-Dichloroethane-d4
 Concen: 53.180 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055927.D
 Acq: 31 May 2019 18:29

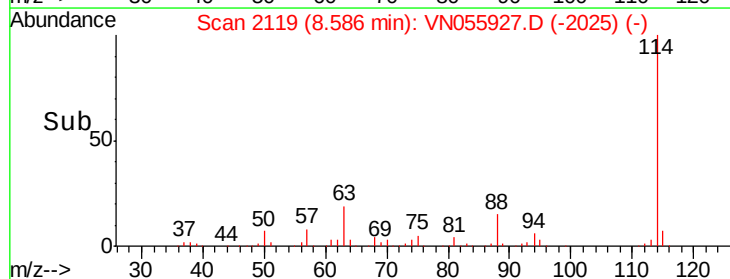
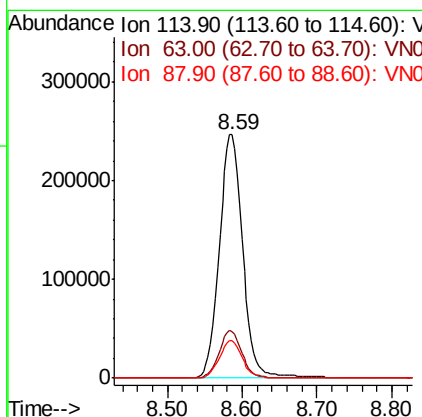
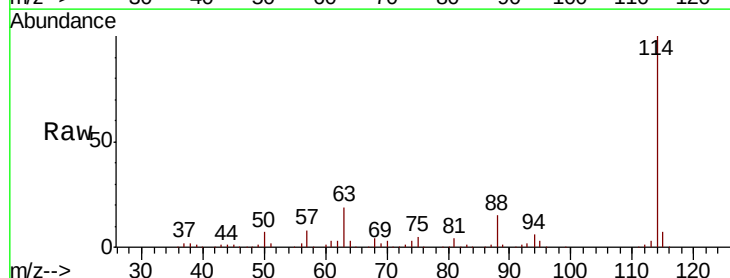
Instrument :
 MSVOA_N
 ClientSampleId :
 LF012RW042-190529

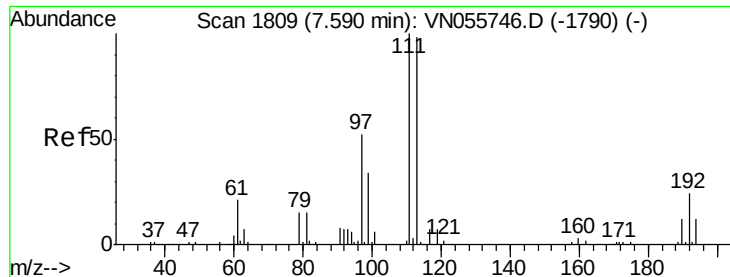
Tot Ion: 65 Resp: 193969
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 109.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055927.D
 Acq: 31 May 2019 18:29

Tgt Ion: 114 Resp: 533886
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 39.2
 88 15.5 0.0 31.0

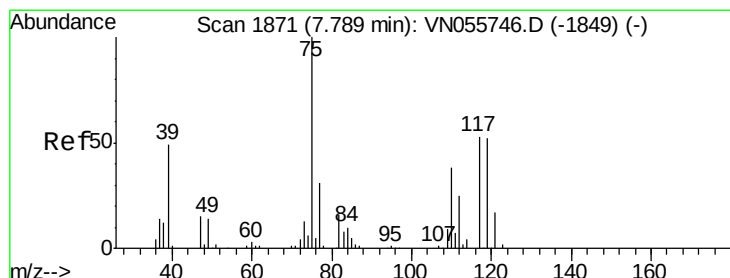
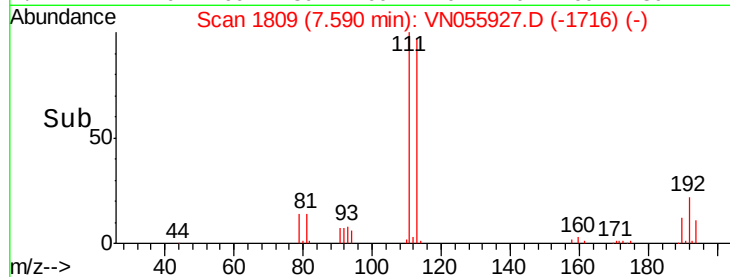
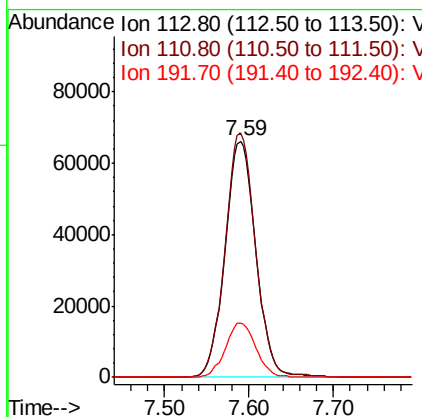
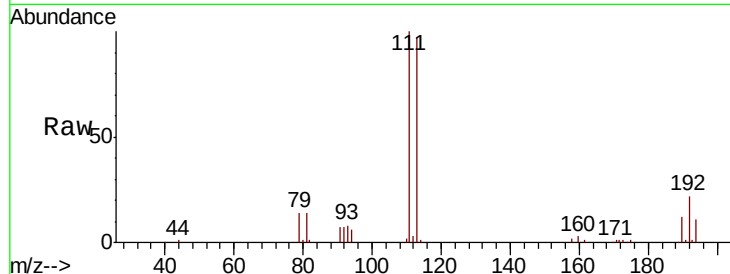




#35
 Dibromofluoromethane
 Concen: 49.774 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN055927.D
 Acq: 31 May 2019 18:29

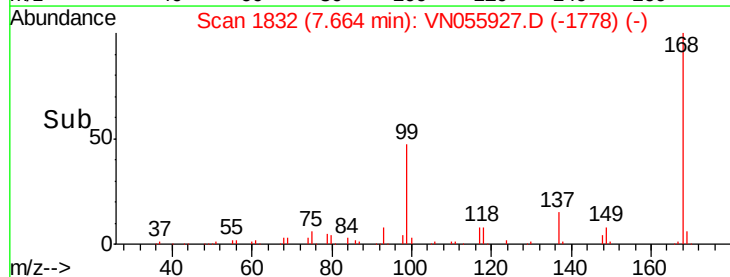
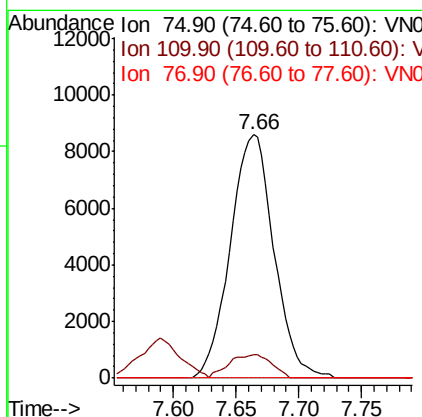
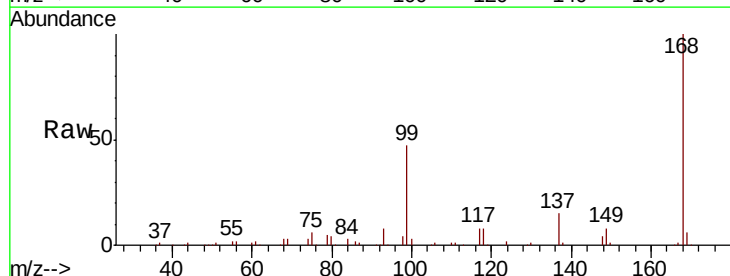
Instrument :
 MSVOA_N
 ClientSampleId :
 LF012RW042-190529

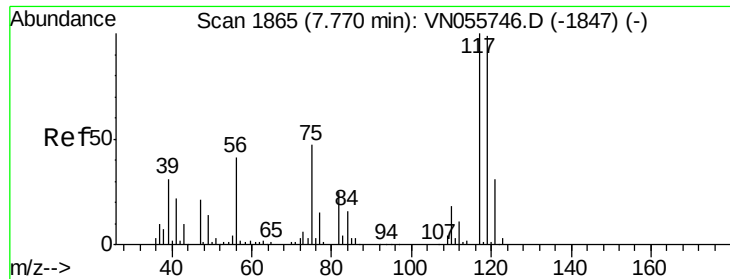
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.4	81.9	122.9
192	22.8	19.5	29.3



#36
 1,1-Dichloropropene
 Concen: 4.478 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN055927.D
 Acq: 31 May 2019 18:29

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.5	19.0	57.0#
77	0.0	25.1	37.7#





#38

Carbon Tetrachloride

Concen: 6.130 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN055927.D

Acq: 31 May 2019 18:29

Instrument :

MSVOA_N

ClientSampleId :

LF012RW042-190529

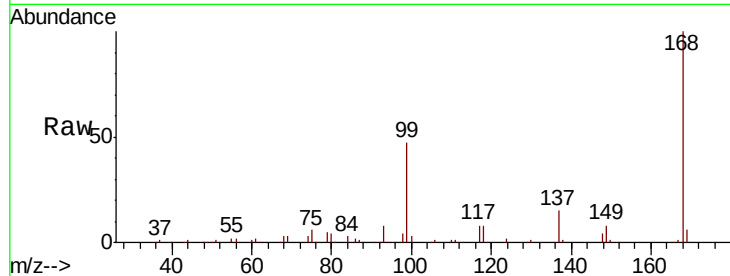
Tot Ion:117 Resp: 29708

Ion Ratio Lower Upper

117 100

119 5.7 79.0 118.6#

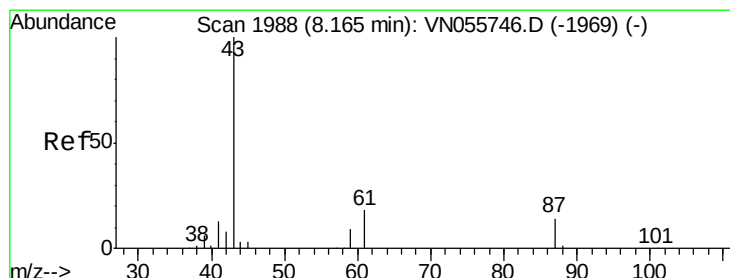
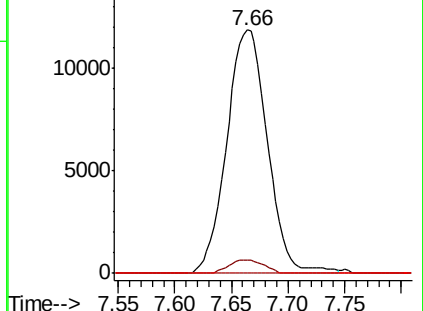
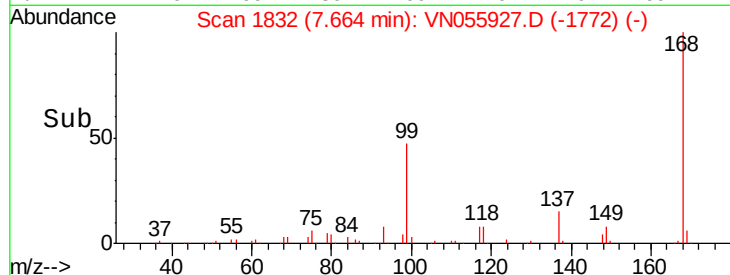
121 0.0 24.7 37.1#



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: 1.621 ug/l

RT: 8.31 min Scan# 2034

Delta R.T. 0.15 min

Lab File: VN055927.D

Acq: 31 May 2019 18:29

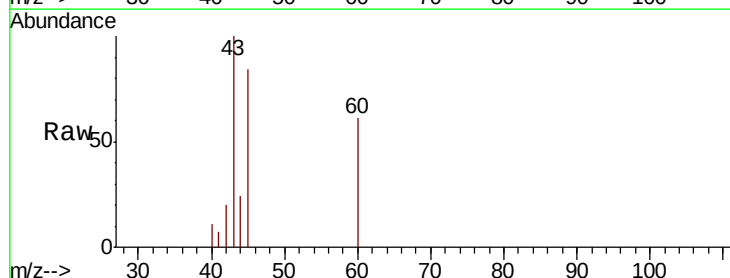
Tgt Ion: 43 Resp: 12244

Ion Ratio Lower Upper

43 100

61 0.0 22.2 33.4#

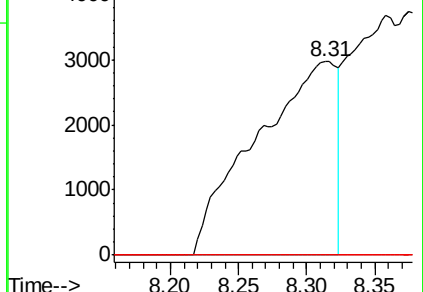
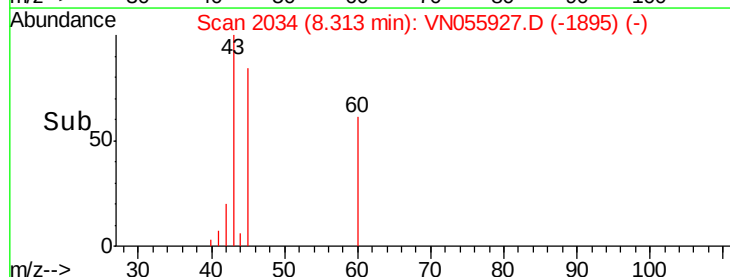
87 0.0 11.4 17.2#

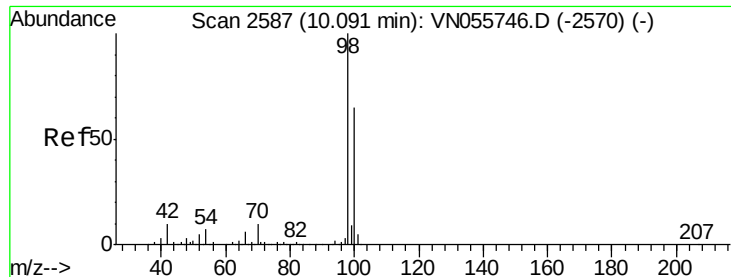


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#50

Toluene-d8

Concen: 52.622 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN055927.D

Acq: 31 May 2019 18:29

Instrument :

MSVOA_N

ClientSampleId :

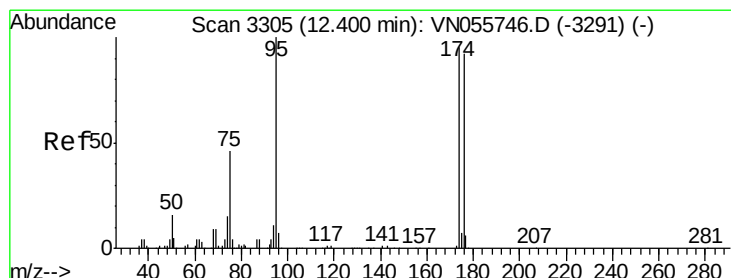
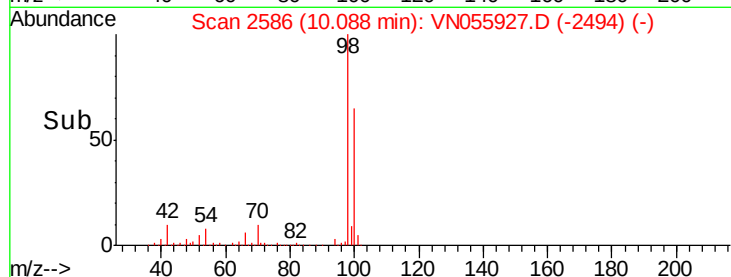
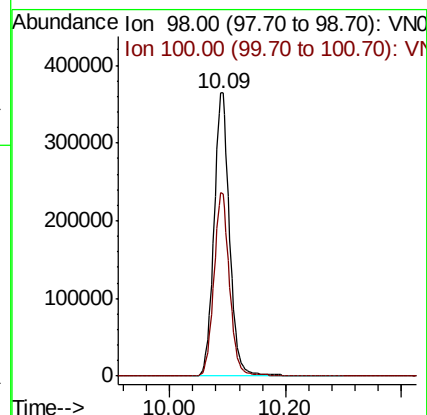
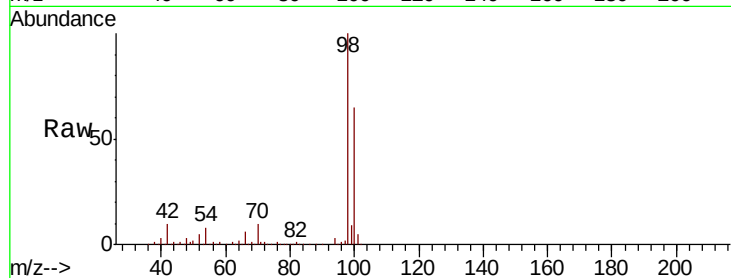
LF012RW042-190529

Tot Ion: 98 Resp: 681339

Ion Ratio Lower Upper

98 100

100 64.6 51.9 77.9



#62

4-Bromofluorobenzene

Concen: 48.126 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055927.D

Acq: 31 May 2019 18:29

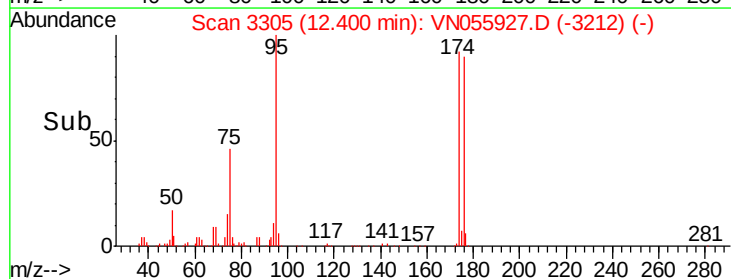
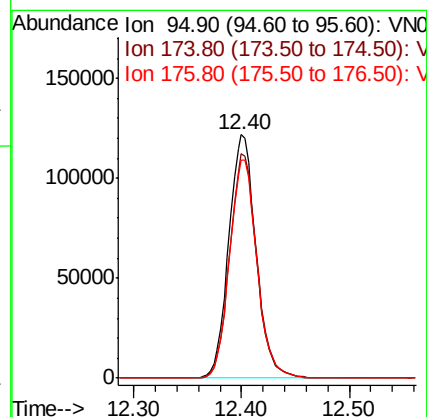
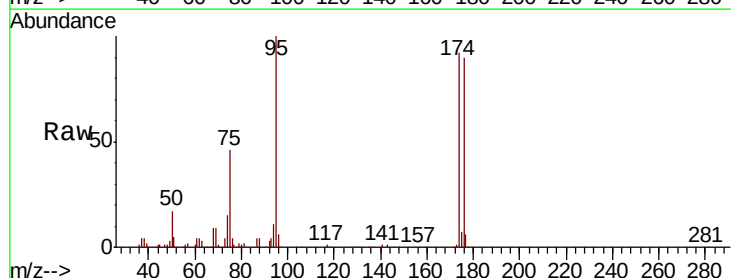
Tgt Ion: 95 Resp: 213661

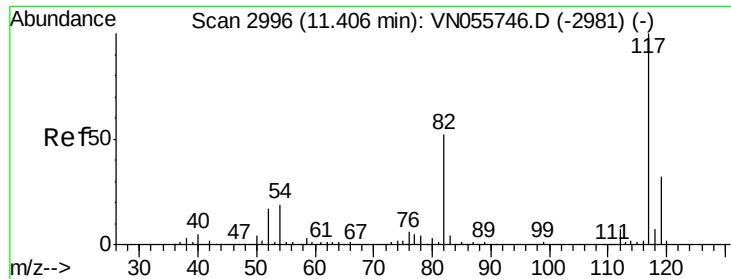
Ion Ratio Lower Upper

95 100

174 92.2 0.0 191.0

176 89.9 0.0 185.2

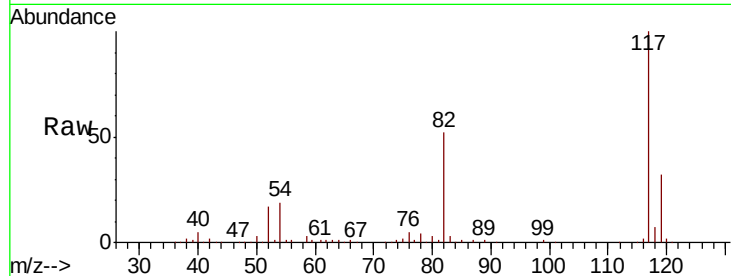




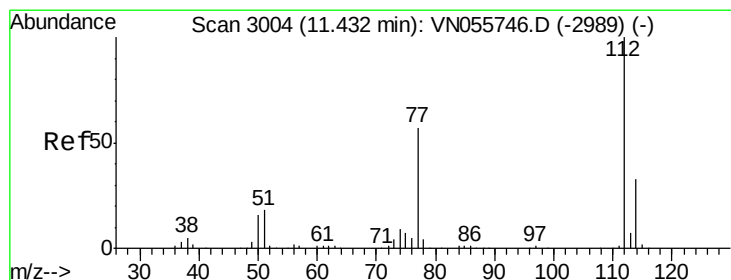
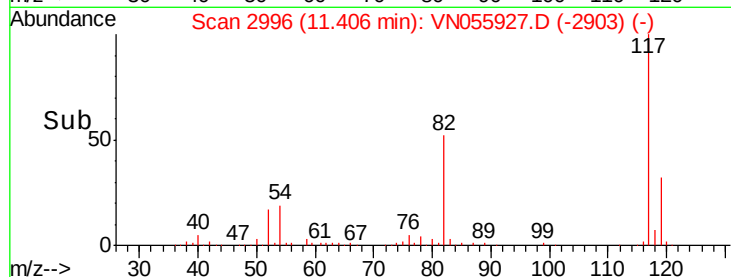
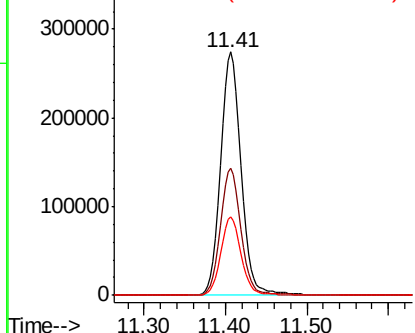
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055927.D
Acq: 31 May 2019 18:29

Instrument :
MSVOA_N
ClientSampleId :
LF012RW042-190529

Tot Ion:117 Resp: 489527
Ion Ratio Lower Upper
117 100
82 52.2 41.8 62.8
119 32.1 25.4 38.0

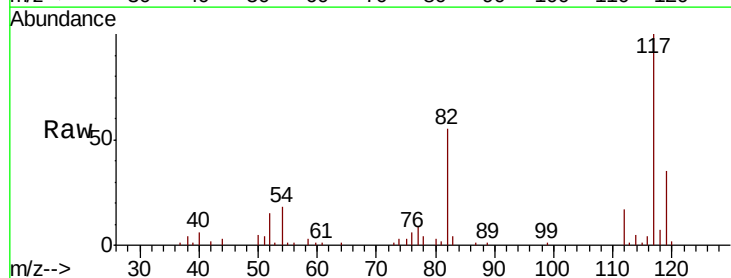


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

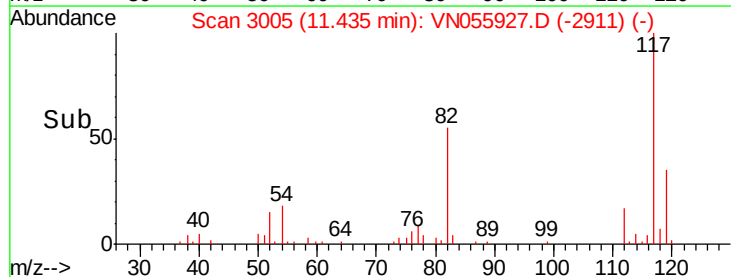
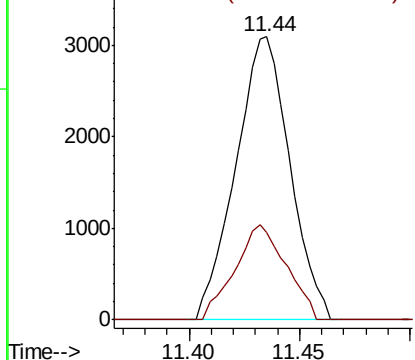


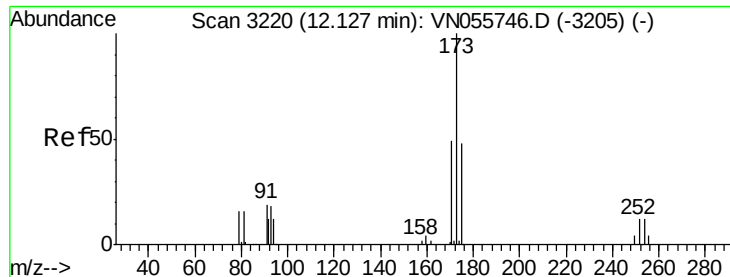
#65
Chlorobenzene
Concen: 0.538 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN055927.D
Acq: 31 May 2019 18:29

Tgt Ion:112 Resp: 5277
Ion Ratio Lower Upper
112 100
114 31.1 26.2 39.4



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V





#71

Bromoform

Concen: 0.465 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN055927.D

Acq: 31 May 2019 18:29

Instrument :

MSVOA_N

ClientSampleId :

LF012RW042-190529

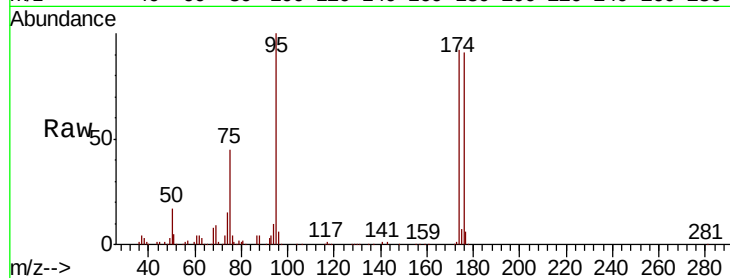
Tot Ion:173 Resp: 1550

Ion Ratio Lower Upper

173 100

175 794.5 24.3 72.8#

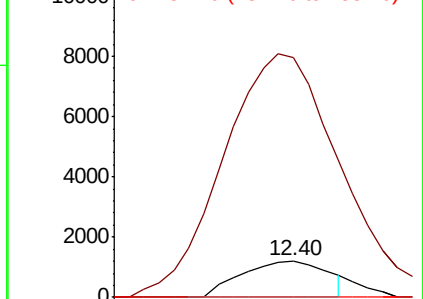
254 0.0 0.0 0.0



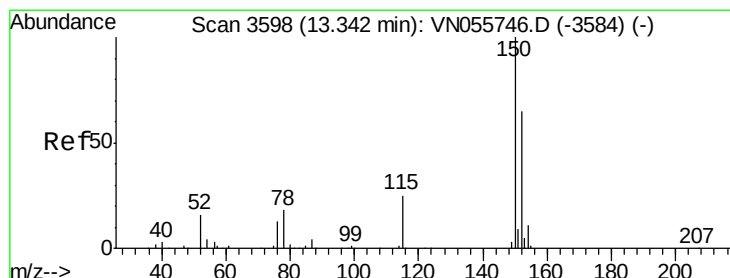
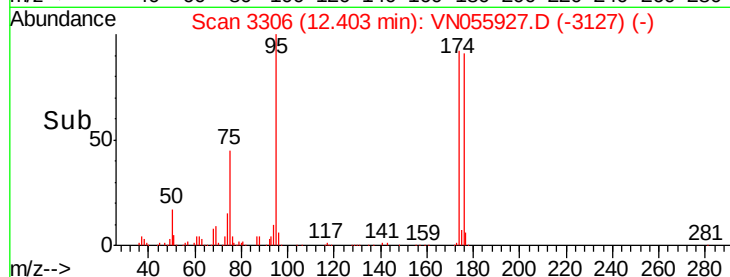
Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN055927.D

Acq: 31 May 2019 18:29

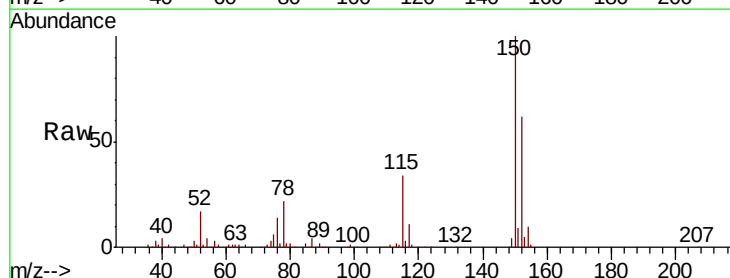
Tgt Ion:152 Resp: 157082

Ion Ratio Lower Upper

152 100

115 53.2 27.0 81.0

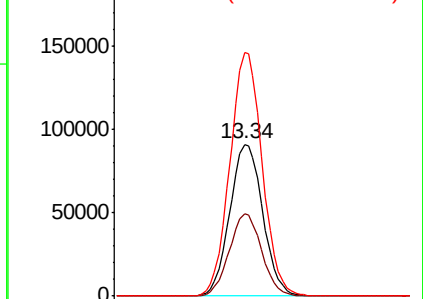
150 157.2 0.0 343.2



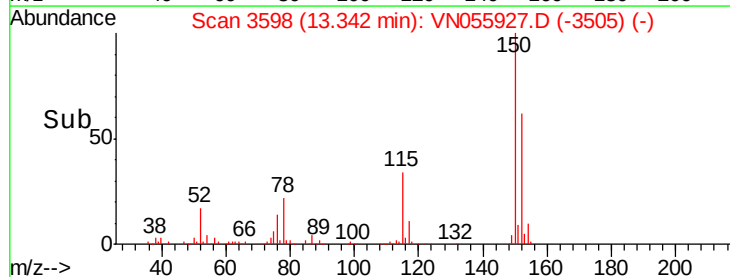
Abundance Ion 151.90 (151.60 to 152.60): V

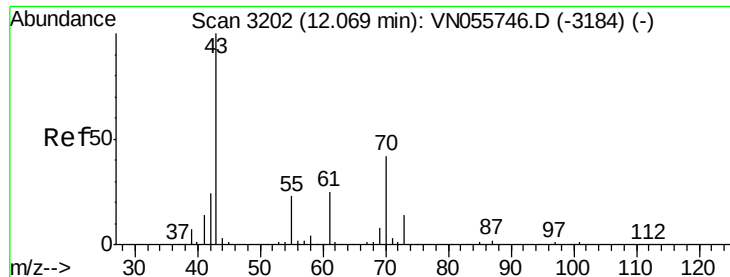
Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



Time-->





#74

N-amvl acetate

Concen: Below Cal

RT: 12.05 min Scan# 3197

Delta R.T. -0.02 min

Lab File: VN055927.D

Acq: 31 May 2019 18:29

Instrument :

MSVOA_N

ClientSampleId :

LF012RW042-190529

Tot Ion: 43 Resp: 63

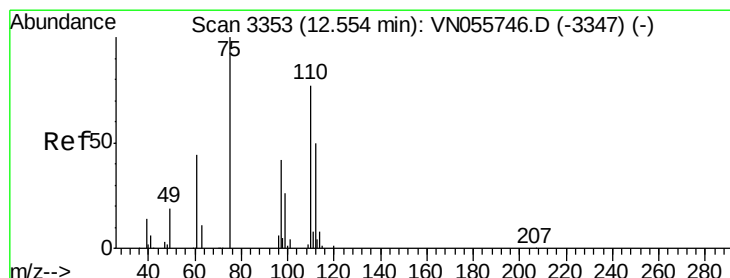
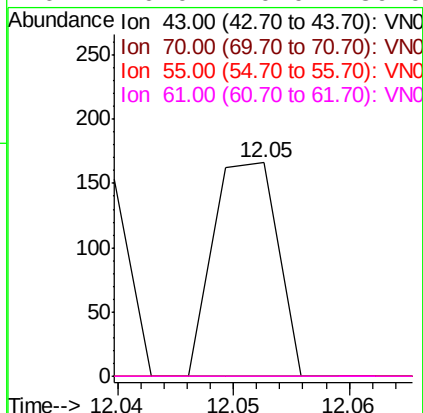
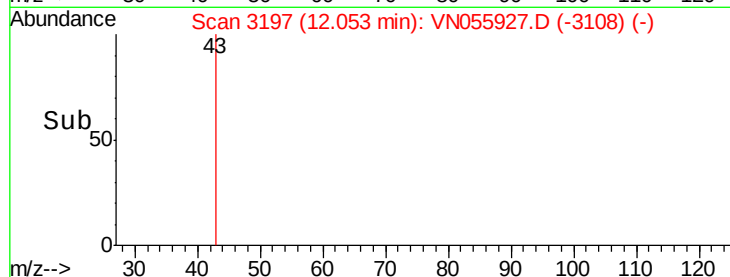
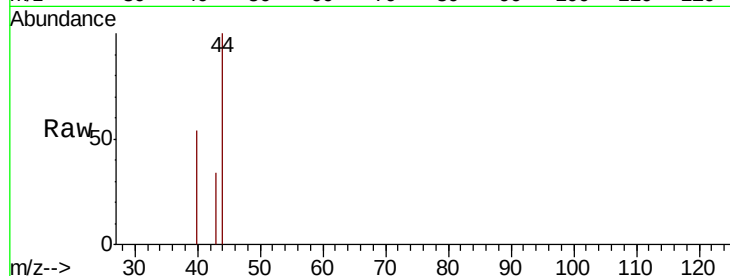
Ion Ratio Lower Upper

43 100

70 0.0 34.0 51.0#

55 0.0 18.6 28.0#

61 0.0 20.0 30.0#



#76

1,2,3-Trichloropropane

Concen: 35.192 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN055927.D

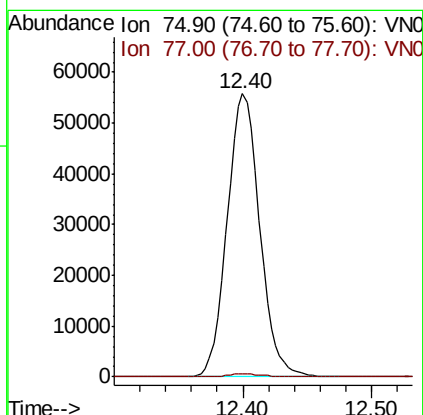
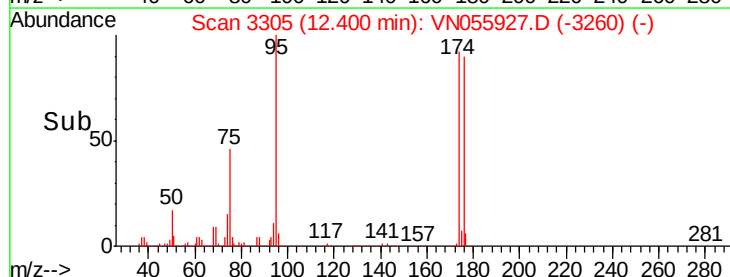
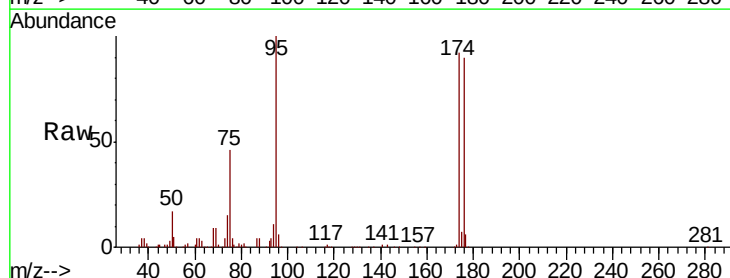
Acq: 31 May 2019 18:29

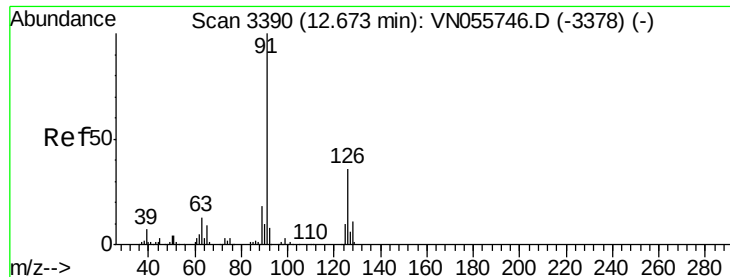
Tgt Ion: 75 Resp: 97710

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#





#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.40 min Scan# 3305

Delta R.T. -0.27 min

Lab File: VN055927.D

Acq: 31 May 2019 18:29

Instrument :

MSVOA_N

ClientSampleId :

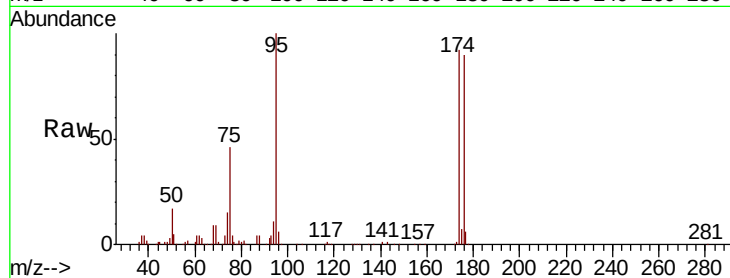
LF012RW042-190529

Tot Ion: 91 Resp: 526

Ion Ratio Lower Upper

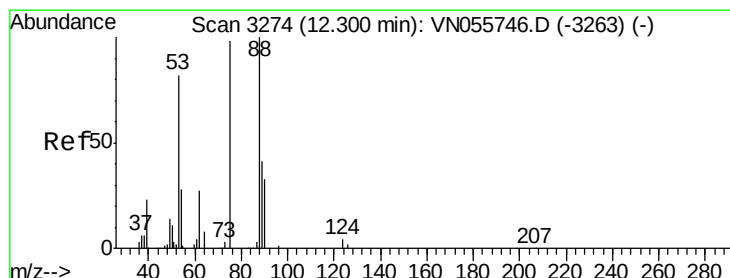
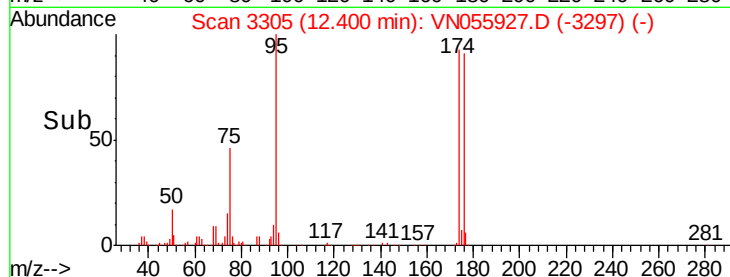
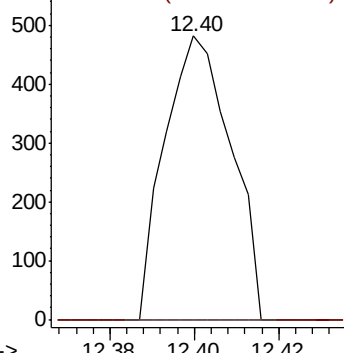
91 100

126 0.0 18.1 54.4#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): VN



#81

trans-1,4-Dichloro-2-butene

Concen: 83.693 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN055927.D

Acq: 31 May 2019 18:29

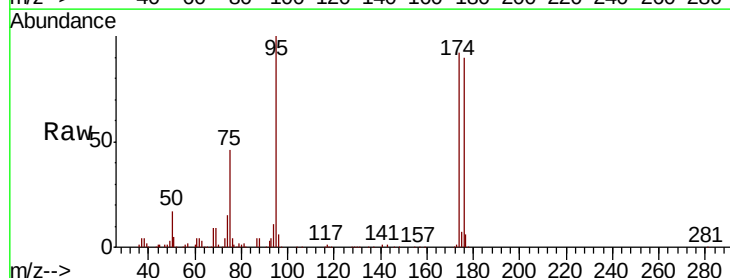
Tgt Ion: 75 Resp: 97710

Ion Ratio Lower Upper

75 100

53 0.0 68.1 102.1#

89 0.0 36.9 55.3#



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

