

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN093019\
 Data File : VN058447.D
 Acq On : 30 Sep 2019 19:36
 Operator : JC/SP
 Sample : K4668-19
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SU-04-092619

Quant Time: Oct 01 08:50:41 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

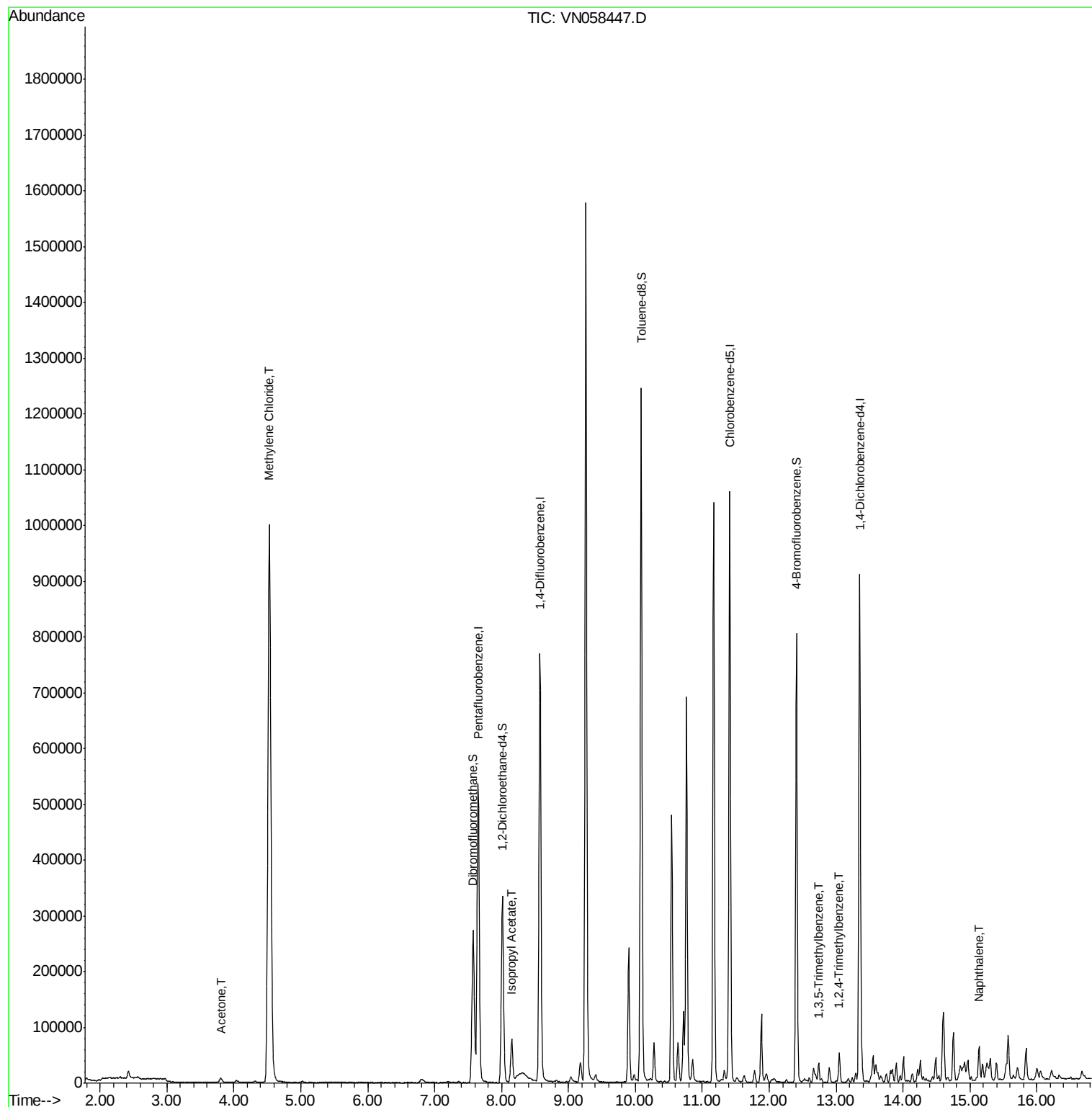
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	414015	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	668439	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	578485	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	230253	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	295372	48.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.64%	
35) Dibromofluoromethane	7.57	113	208803	50.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.94%	
50) Toluene-d8	10.08	98	847189	52.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.58%	
62) 4-Bromofluorobenzene	12.41	95	269108	46.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.74%	
Target Compounds						
16) Acetone	3.80	43	14315	6.941	ug/l	99
20) Methylene Chloride	4.53	84	737846	155.024	ug/l	99
43) Isopropyl Acetate	8.15	43	94113	9.236	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	17308	1.215	ug/l	99
84) 1,2,4-Trimethylbenzene	13.05	105	29029	2.034	ug/l	98
95) Naphthalene	15.14	128	47876	4.229	ug/l	98

(#) = 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: VN058447.D

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Instrument :

MSVOA_N

ClientSampleId :

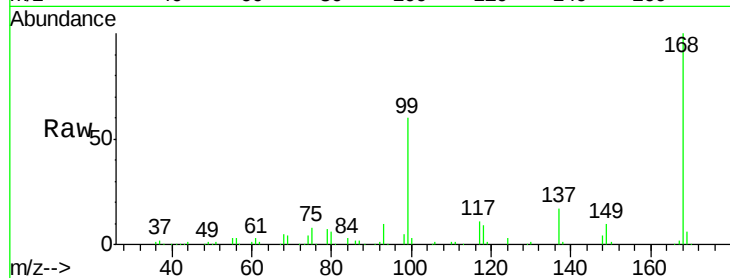
SU-04-092619

Tot Ion:168 Resp: 414015

Ion Ratio Lower Upper

168 100

99 60.2 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

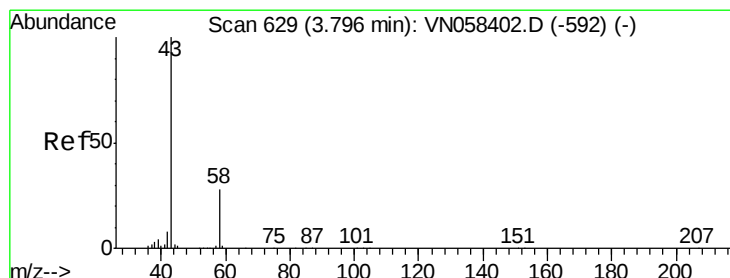
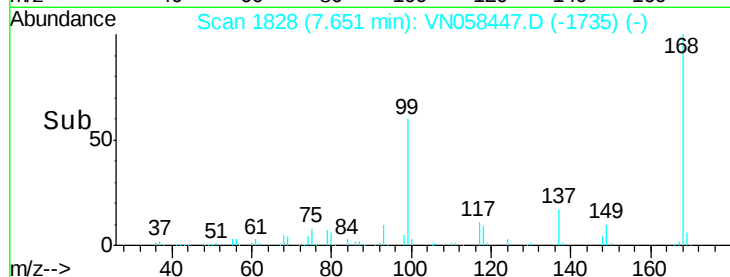
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80



#16

Acetone

Concen: 6.941 ug/l

RT: 3.80 min Scan# 631

Delta R.T. 0.01 min

Lab File: VN058447.D

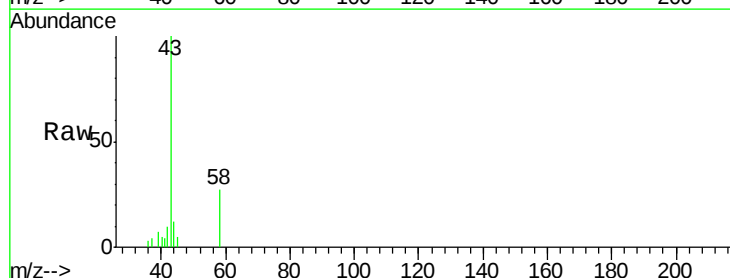
Acq: 30 Sep 2019 19:36

Tgt Ion: 43 Resp: 14315

Ion Ratio Lower Upper

43 100

58 27.3 22.4 33.6



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

3.80

6000

5000

4000

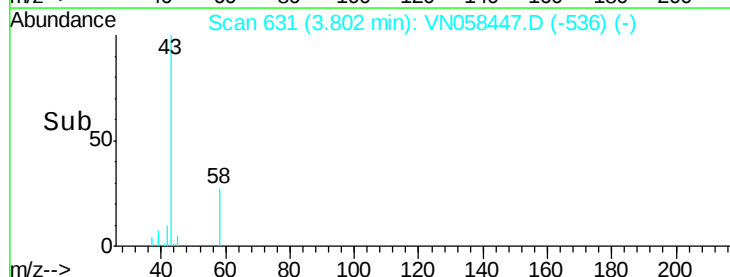
3000

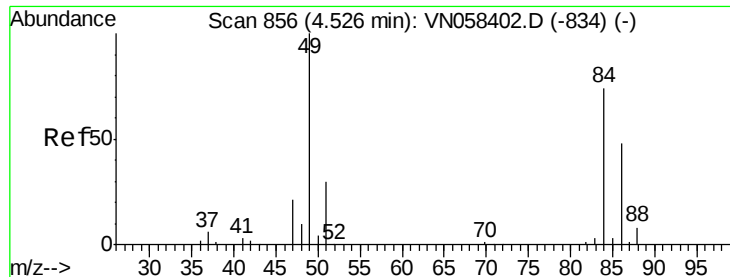
2000

1000

0

Time--> 3.75 3.80 3.85

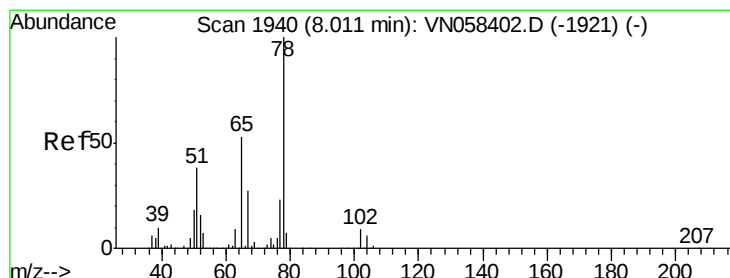
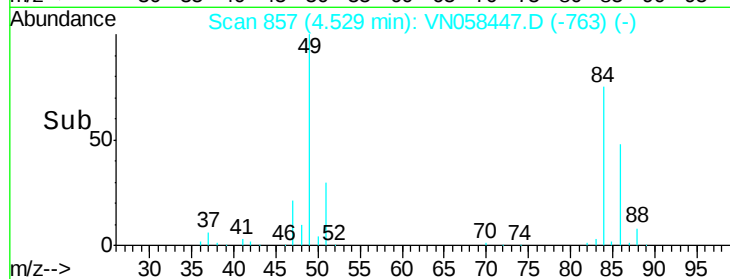
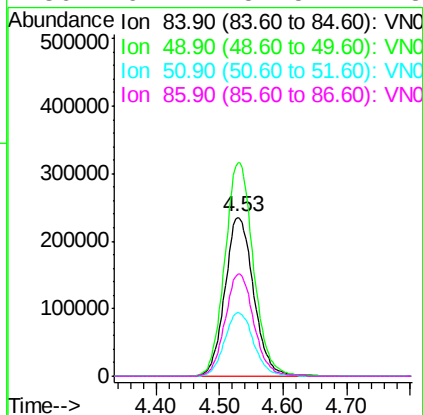
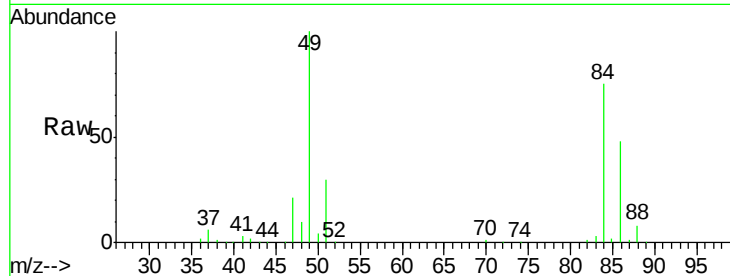




#20
Methvlene Chloride
Concen: 155.024 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN058447.D
Acq: 30 Sep 2019 19:36

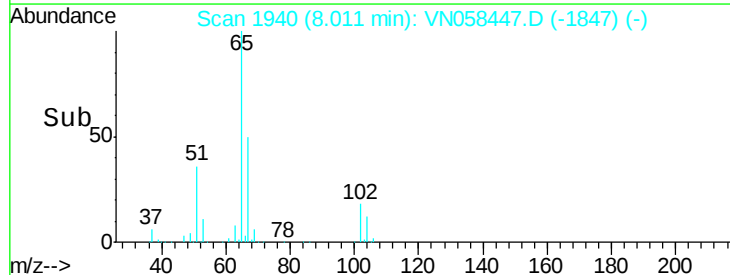
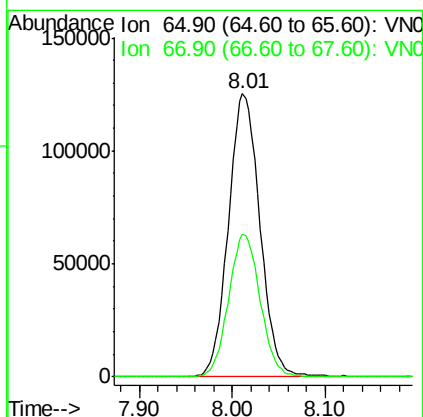
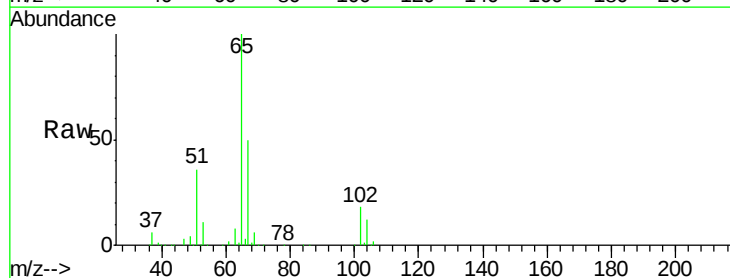
Instrument :
MSVOA_N
ClientSampleId :
SU-04-092619

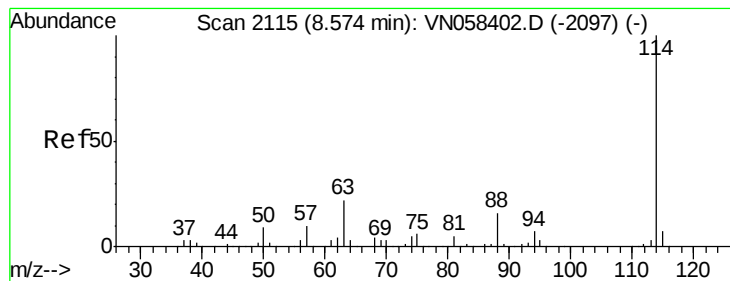
Tot Ion: 84 Resp: 737846
Ion Ratio Lower Upper
84 100
49 134.0 107.9 161.9
51 40.1 32.8 49.2
86 64.2 51.5 77.3



#33
1,2-Dichloroethane-d4
Concen: 48.821 ug/l
RT: 8.01 min Scan# 1940
Delta R.T. 0.00 min
Lab File: VN058447.D
Acq: 30 Sep 2019 19:36

Tgt Ion: 65 Resp: 295372
Ion Ratio Lower Upper
65 100
67 50.4 0.0 102.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2115

Delta R.T. 0.00 min

Lab File: VN058447.D

Acq: 30 Sep 2019 19:36

Instrument :

MSVOA_N

ClientSampleId :

SU-04-092619

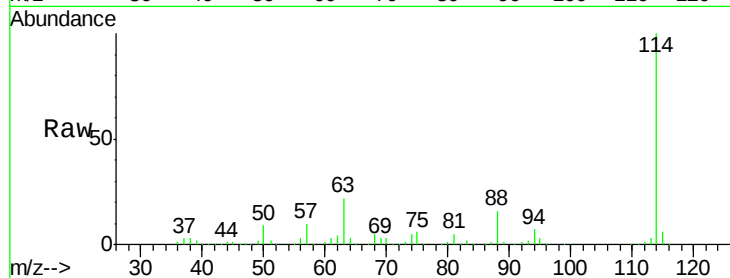
Tot Ion:114 Resp: 668439

Ion Ratio Lower Upper

114 100

63 22.1 0.0 45.0

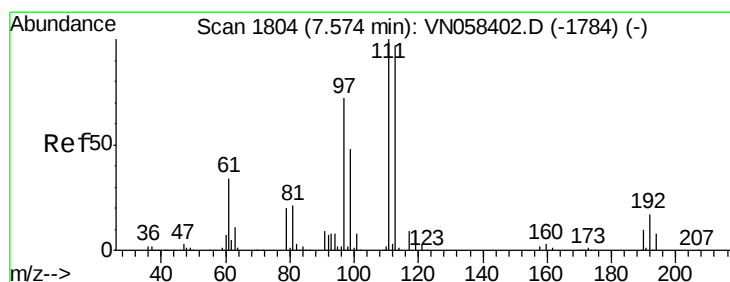
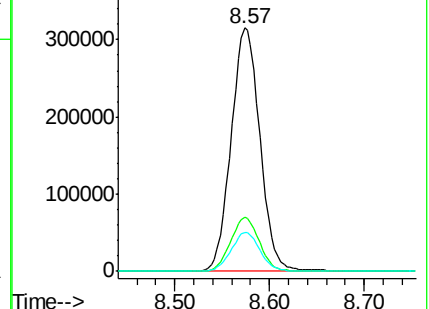
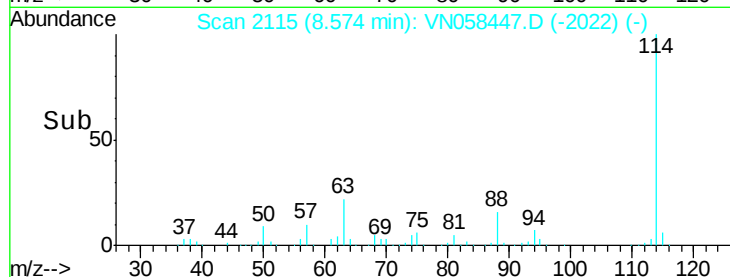
88 15.9 0.0 32.2



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: 50.967 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN058447.D

Acq: 30 Sep 2019 19:36

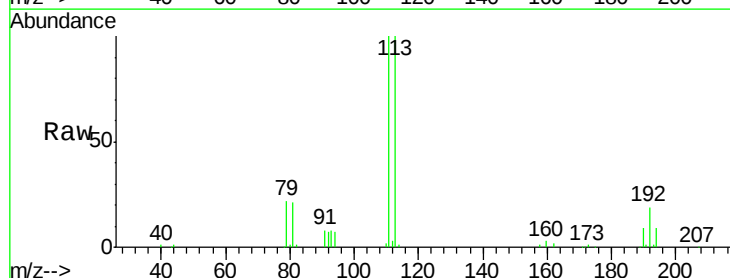
Tgt Ion:113 Resp: 208803

Ion Ratio Lower Upper

113 100

111 102.0 83.4 125.2

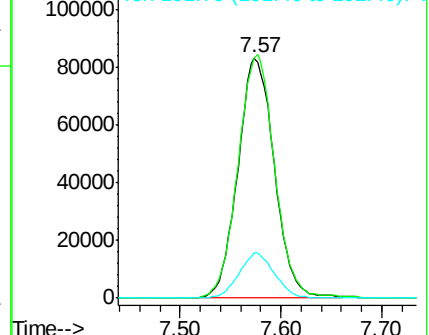
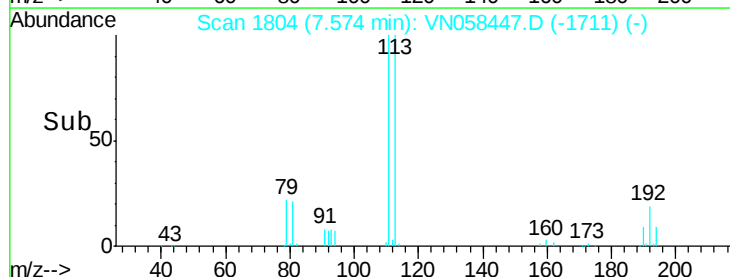
192 18.2 14.9 22.3

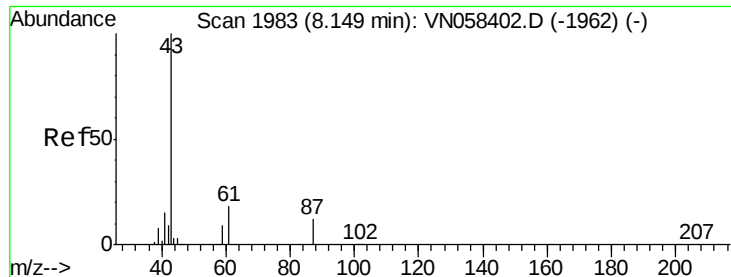


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#43

Isopropyl Acetate

Concen: 9.236 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. 0.00 min

Lab File: VN058447.D

Acq: 30 Sep 2019 19:36

Instrument :

MSVOA_N

ClientSampleId :

SU-04-092619

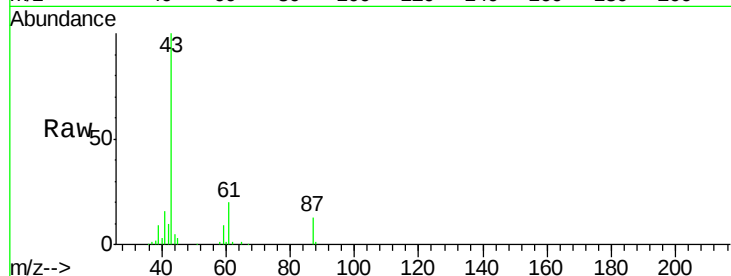
Tot Ion: 43 Resp: 94113

Ion Ratio Lower Upper

43 100

61 17.9 14.8 22.2

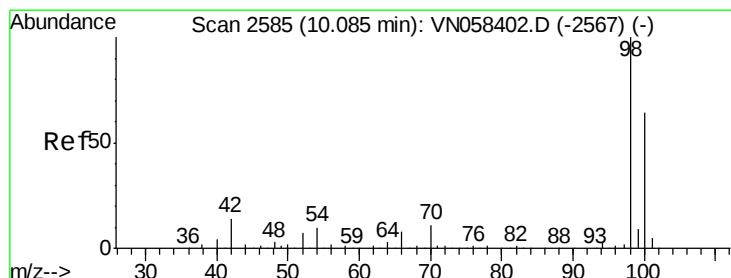
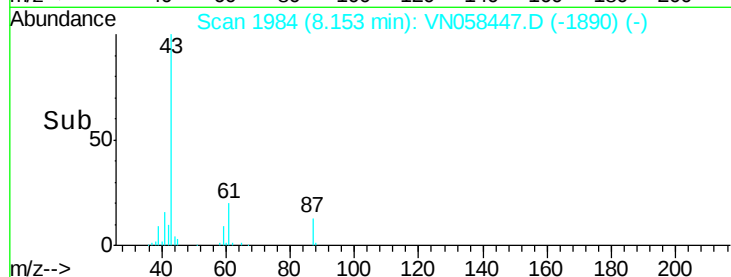
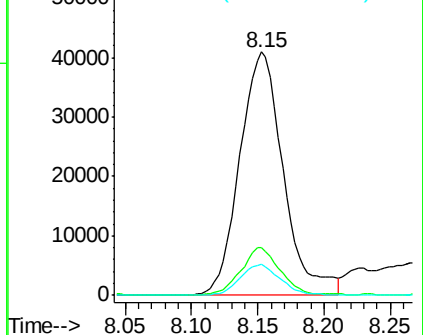
87 11.6 9.7 14.5



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: 52.788 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN058447.D

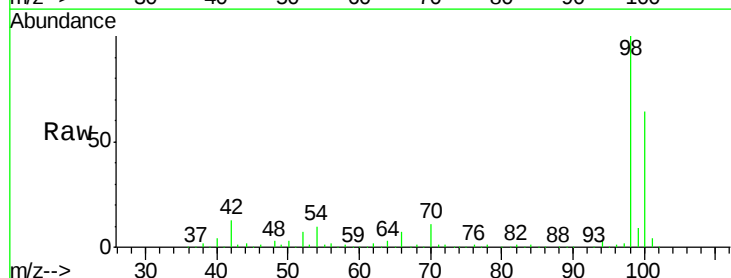
Acq: 30 Sep 2019 19:36

Tgt Ion: 98 Resp: 847189

Ion Ratio Lower Upper

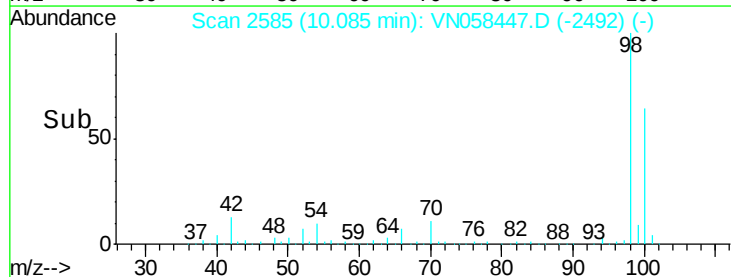
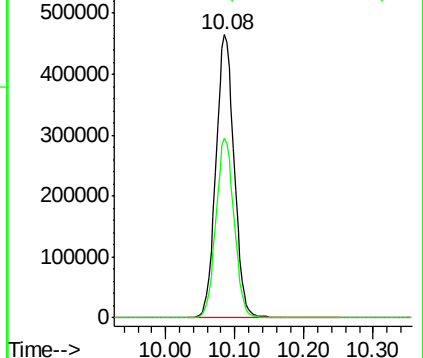
98 100

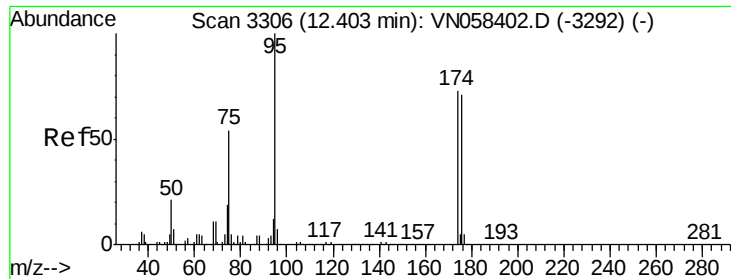
100 63.2 51.0 76.6



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#62

4-Bromofluorobenzene

Concen: 46.374 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN058447.D

Acq: 30 Sep 2019 19:36

Instrument :

MSVOA_N

ClientSampled :

SU-04-092619

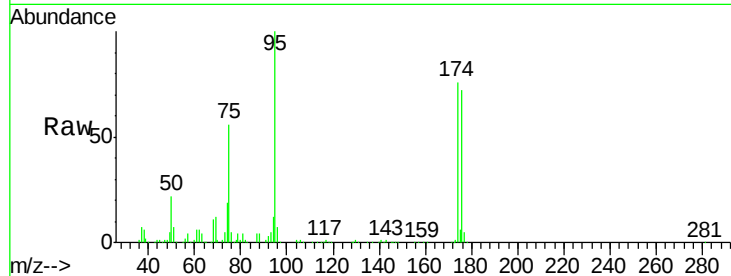
Tot Ion: 95 Resp: 269108

Ion Ratio Lower Upper

95 100

174 76.3 0.0 150.6

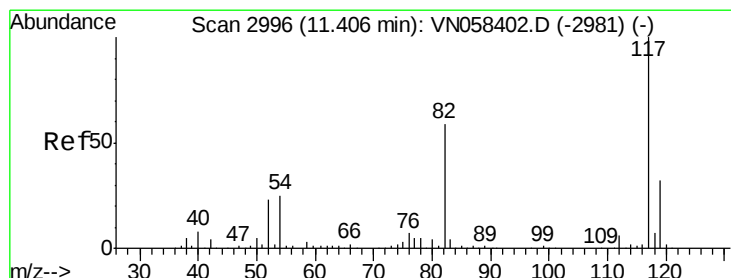
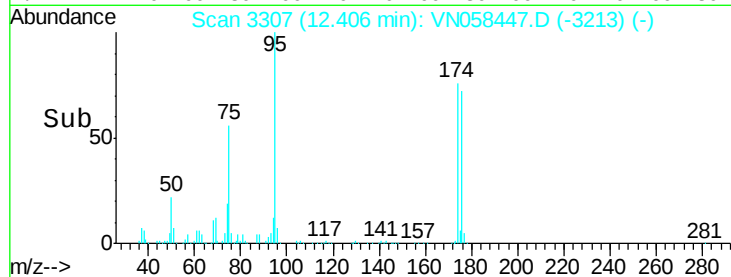
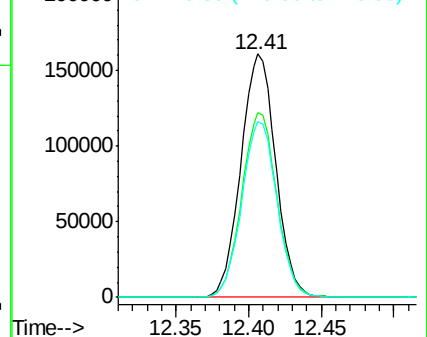
176 72.8 0.0 146.2



Abundance Ion 94.90 (94.60 to 95.60): VN058402.D (-3292) (-)

Ion 173.80 (173.50 to 174.50): VN058402.D (-3292) (-)

Ion 175.80 (175.50 to 176.50): VN058402.D (-3292) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN058447.D

Acq: 30 Sep 2019 19:36

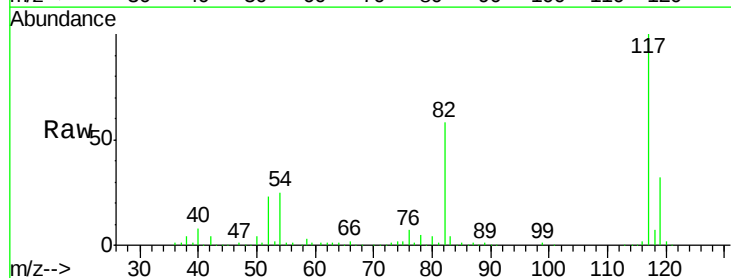
Tgt Ion: 117 Resp: 578485

Ion Ratio Lower Upper

117 100

82 58.3 47.4 71.0

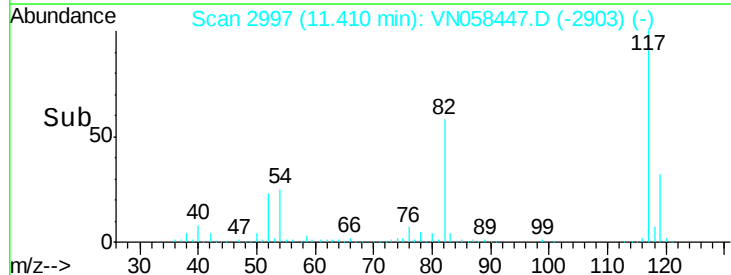
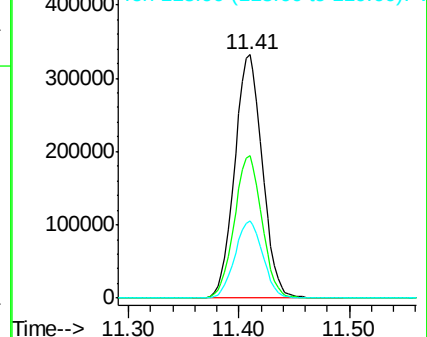
119 31.7 25.5 38.3

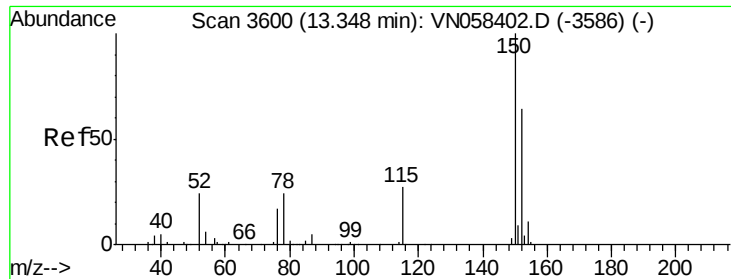


Abundance Ion 116.90 (116.60 to 117.60): VN058402.D (-2981) (-)

Ion 82.00 (81.70 to 82.70): VN058402.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN058402.D (-2981) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN058447.D

Acq: 30 Sep 2019 19:36

Instrument :

MSVOA_N

ClientSampled :

SU-04-092619

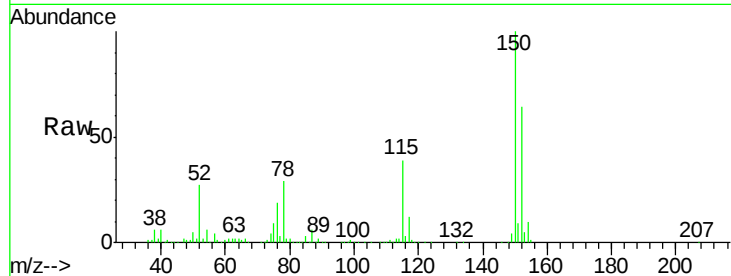
Tot Ion:152 Resp: 230253

Ion Ratio Lower Upper

152 100

115 61.1 30.0 90.0

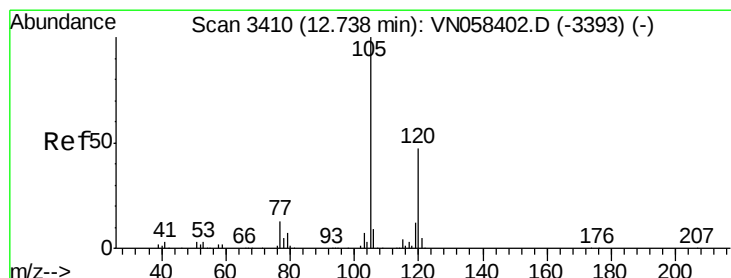
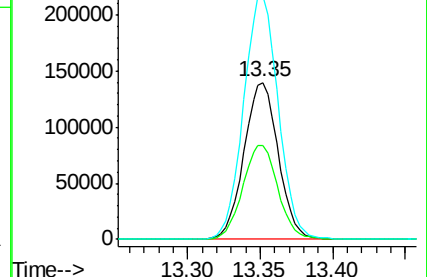
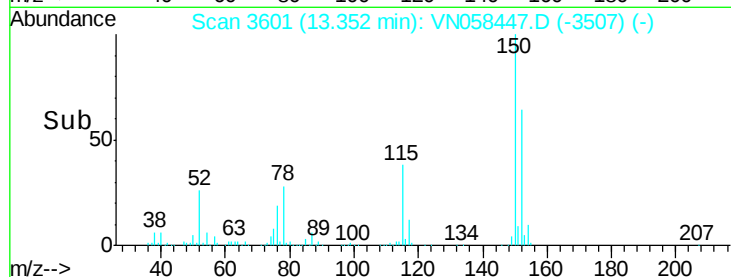
150 156.8 0.0 348.2



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



#80

1,3,5-Trimethylbenzene

Concen: 1.215 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058447.D

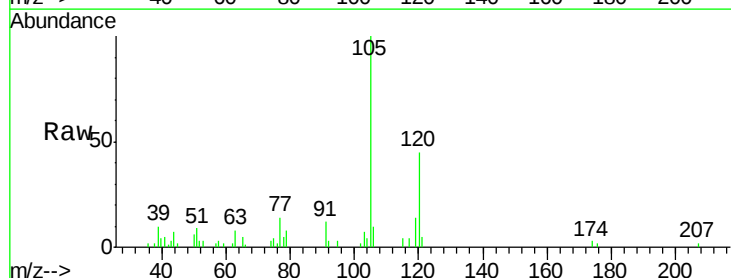
Acq: 30 Sep 2019 19:36

Tgt Ion:105 Resp: 17308

Ion Ratio Lower Upper

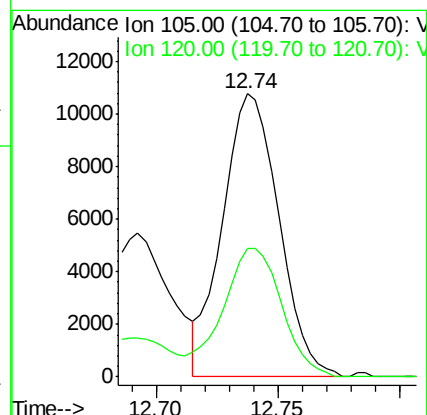
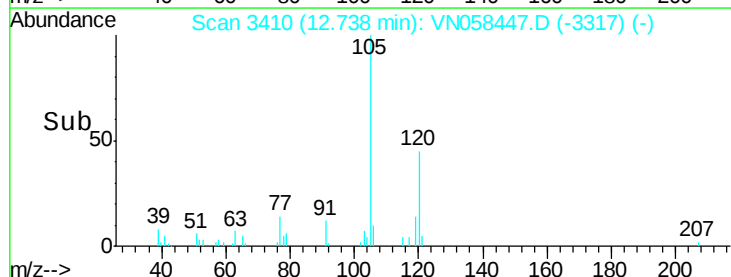
105 100

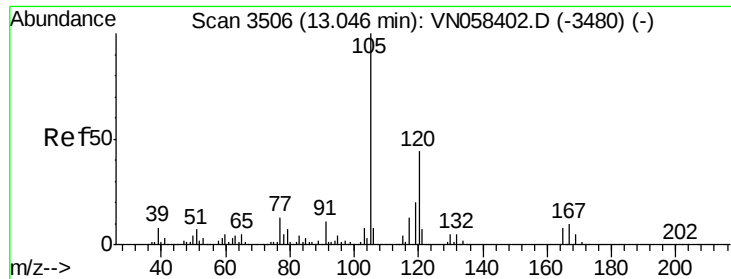
120 47.7 23.5 70.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#84

1,2,4-Trimethylbenzene

Concen: 2.034 ug/l

RT: 13.05 min Scan# 3506

Delta R.T. 0.00 min

Lab File: VN058447.D

Acq: 30 Sep 2019 19:36

Instrument :

MSVOA_N

ClientSampleId :

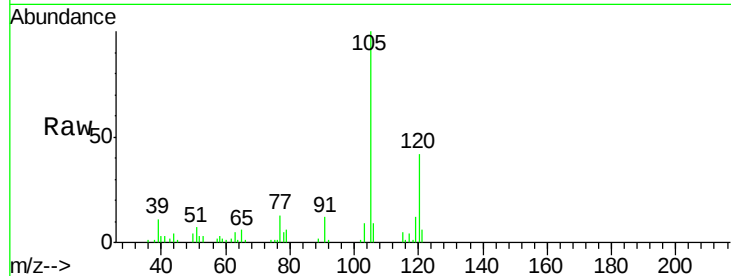
SU-04-092619

Tot Ion:105 Resp: 29029

Ion Ratio Lower Upper

105 100

120 41.8 21.7 65.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

20000

15000

10000

5000

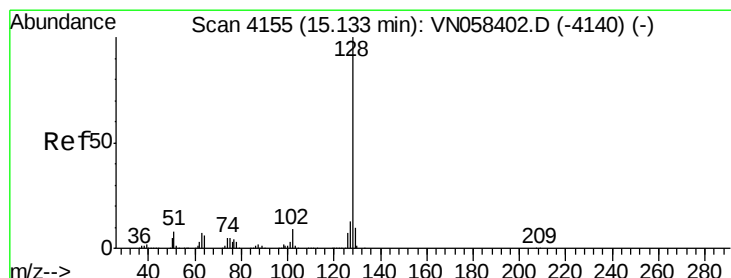
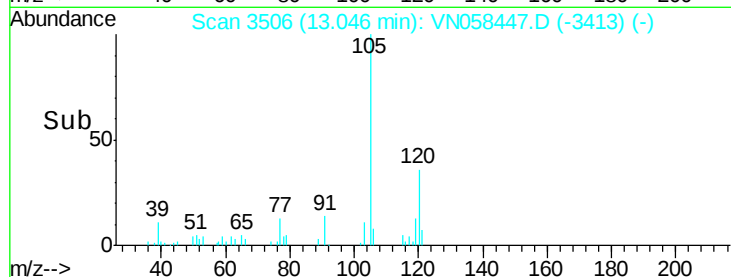
0

13.05

13.00

13.10

Time-->



#95

Naphthalene

Concen: 4.229 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN058447.D

Acq: 30 Sep 2019 19:36

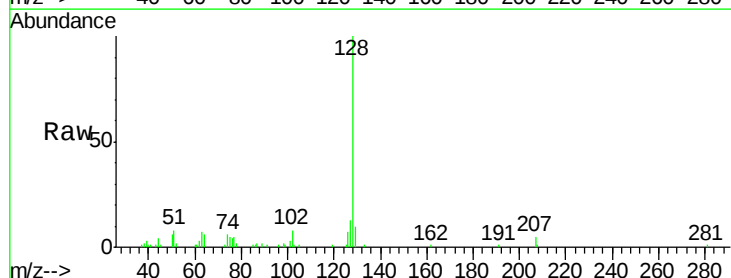
Tgt Ion:128 Resp: 47876

Ion Ratio Lower Upper

128 100

127 13.0 10.2 15.4

129 12.2 8.3 12.5



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

40000

30000

20000

10000

0

15.14

15.10

15.15

Time-->

