

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF062618\
 Data File : VF059315.D
 Acq On : 26 Jun 2018 14:27
 Operator : VA/AP
 Sample : J3664-06RE
 Misc : 6.39g/5mL/MSVOA-F/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 WP021SB476-25-27-180619RE

Quant Time: Jun 27 02:19:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F062518S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 26 08:45:17 2018
 Response via : Initial Calibration

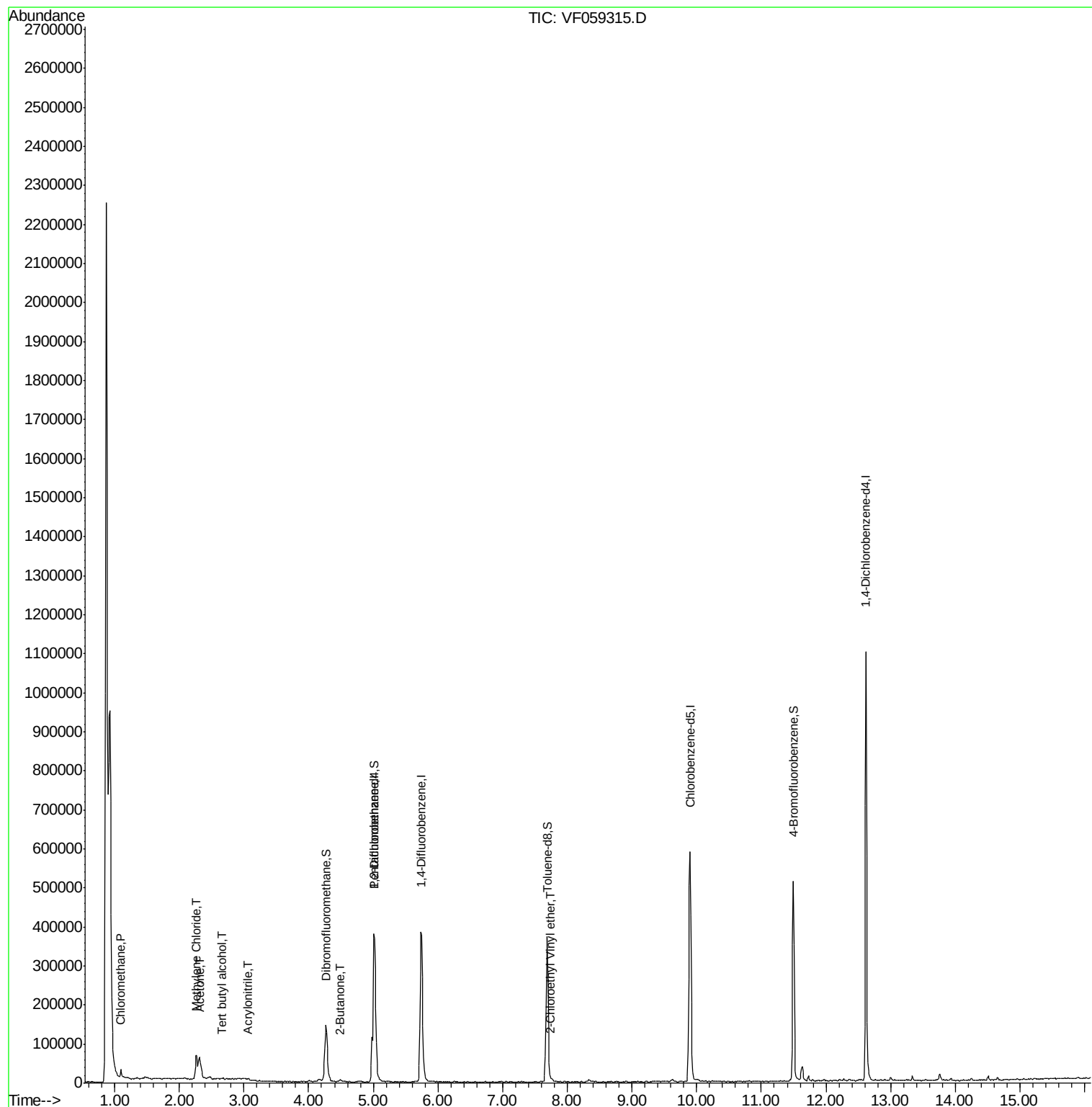
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.02	168	288481	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	418901	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	411837	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	269598	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.00	65	131866	35.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	70.76%	
35) Dibromofluoromethane	4.27	113	131438	42.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.88%	
50) Toluene-d8	7.69	98	305884	40.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.72%	
62) 4-Bromofluorobenzene	11.49	95	177610	41.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.10%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.10	50	2151	1.215	ug/l #	83
5) Bromomethane	1.25	94	388	Below Cal		93
11) Tert butyl alcohol	2.66	59	736	2.966	ug/l #	41
13) Acrolein	1.97	56	209	Below Cal		97
15) Acrylonitrile	3.06	53	548	1.254	ug/l #	47
16) Acetone	2.32	43	53576	49.372	ug/l #	91
20) Methylene Chloride	2.27	84	26790	6.369	ug/l #	89
25) 2-Butanone	4.50	43	11092	7.170	ug/l	98
28) Bromochloromethane	3.93	49	103	Below Cal	#	6
29) Tetrahydrofuran	4.22	42	583	Below Cal	#	70
37) Ethyl Acetate	4.24	43	262	Below Cal	#	12
49) 1,4-Dioxane	7.10	88	151	Below Cal	#	27
58) 2-Chloroethyl Vinyl ether	7.75	63	365	1.667	ug/l	100
59) 2-Hexanone	9.62	43	3666	Below Cal		98
87) 1,3-Dichlorobenzene	12.54	146	988	Below Cal		86

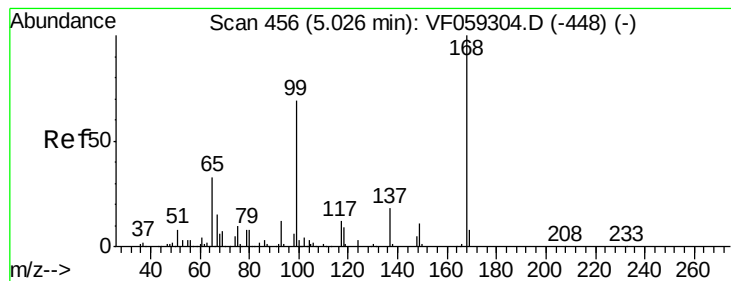
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF062618\
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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.02 min Scan# 455

Delta R.T. -0.01 min

Lab File: VF059315.D

Acq: 26 Jun 2018 14:27

Instrument :

MSVOA_F

ClientSampleId :

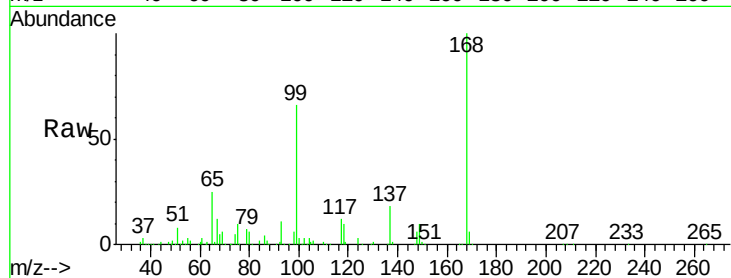
WP021SB476-25-27-180619RE

Tot Ion:168 Resp: 288481

Ion Ratio Lower Upper

168 100

99 65.6 54.9 82.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.02

100000

80000

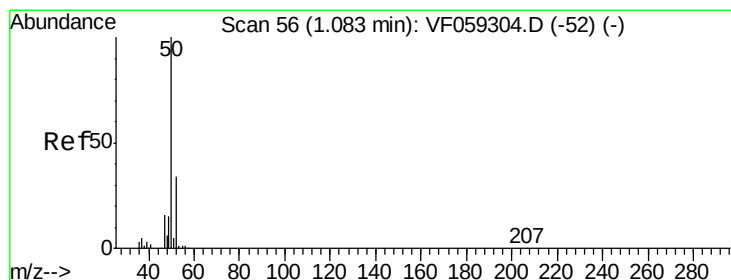
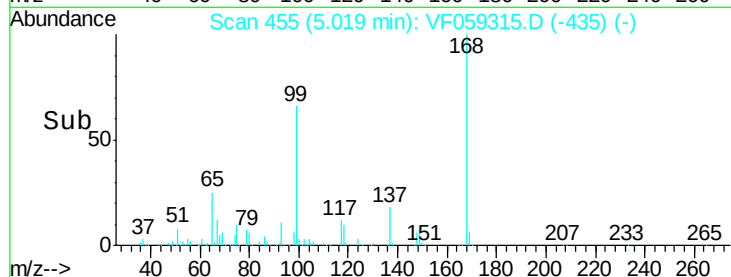
60000

40000

20000

0

Time--> 4.80 4.90 5.00 5.10 5.20



#3

Chloromethane

Concen: 1.215 ug/l

RT: 1.10 min Scan# 57

Delta R.T. 0.01 min

Lab File: VF059315.D

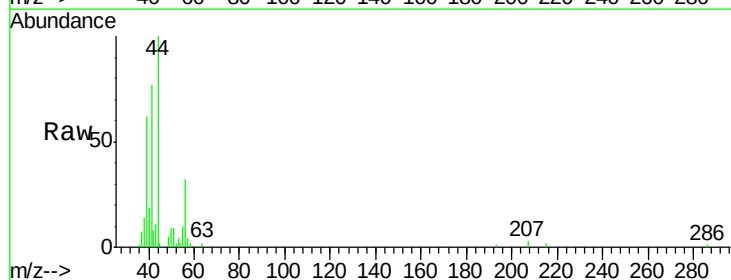
Acq: 26 Jun 2018 14:27

Tgt Ion: 50 Resp: 2151

Ion Ratio Lower Upper

50 100

52 24.0 26.7 40.1#



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

1.10

1000

800

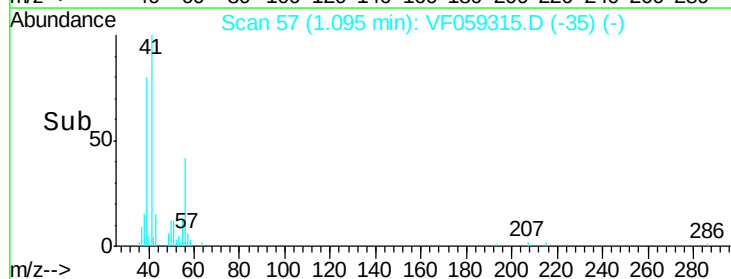
600

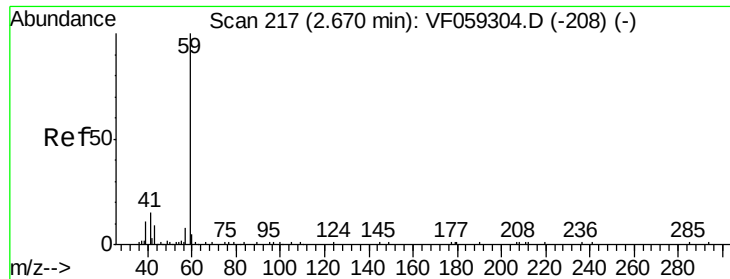
400

200

0

Time--> 1.00 1.05 1.10 1.15 1.20



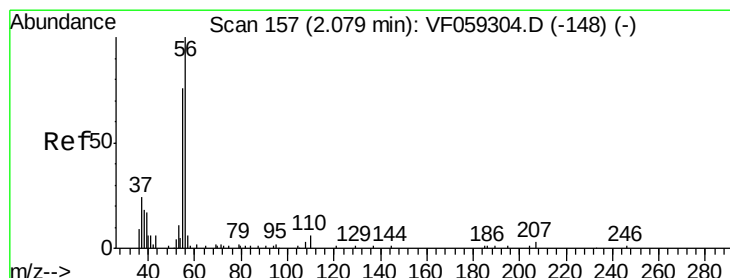
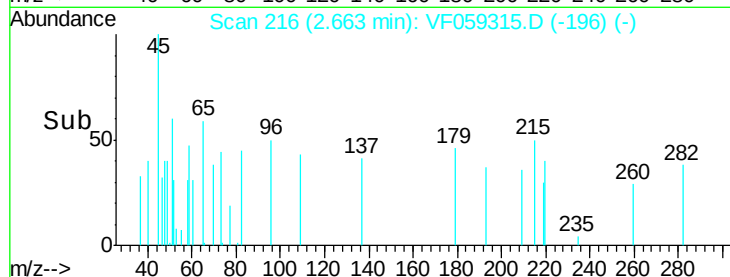
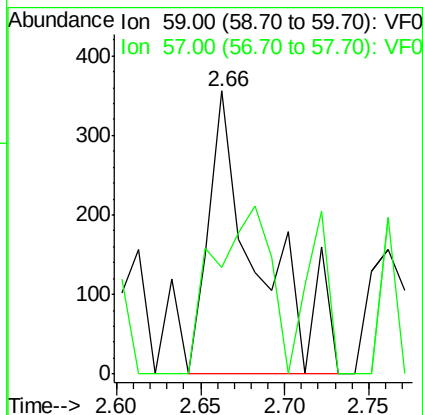
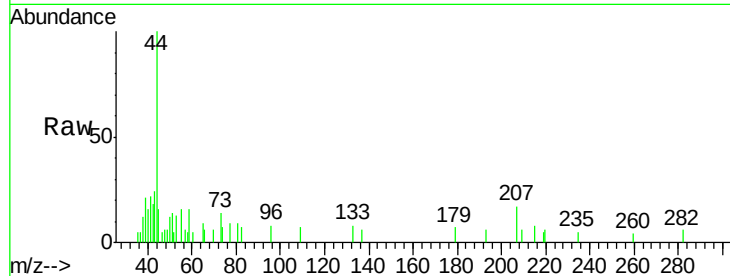


#11

Tert butyl alcohol
 Concen: 2.966 ug/l
 RT: 2.66 min Scan# 216
 Delta R.T. -0.01 min
 Lab File: VF059315.D
 Acq: 26 Jun 2018 14:27

Instrument :
 MSVOA_F
 ClientSampleId :
 WP021SB476-25-27-180619RE

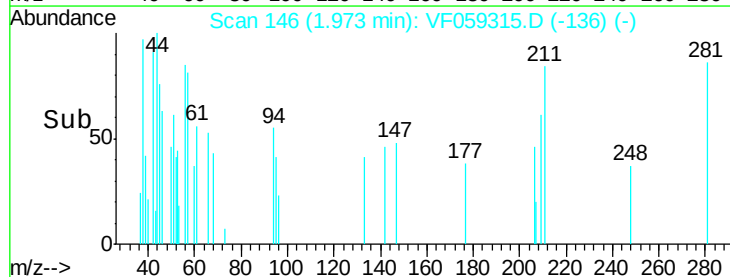
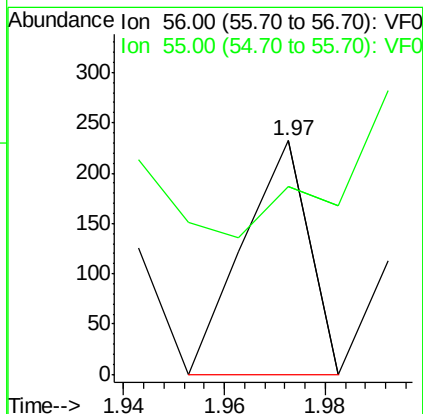
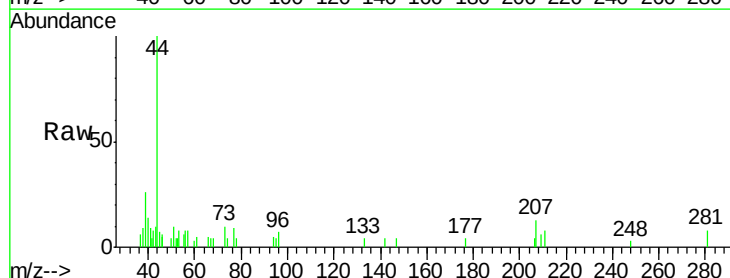
Tot Ion: 59 Resp: 736
 Ion Ratio Lower Upper
 59 100
 57 37.6 11.0 16.4#

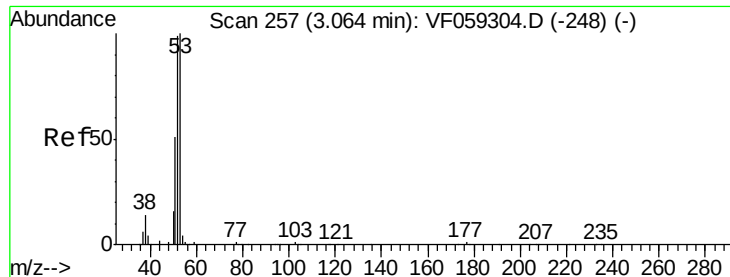


#13

Acrolein
 Concen: Below Cal
 RT: 1.97 min Scan# 146
 Delta R.T. -0.11 min
 Lab File: VF059315.D
 Acq: 26 Jun 2018 14:27

Tgt Ion: 56 Resp: 209
 Ion Ratio Lower Upper
 56 100
 55 80.6 62.4 93.6





#15

Acrylonitrile

Concen: 1.254 ug/l

RT: 3.06 min Scan# 256

Delta R.T. -0.01 min

Lab File: VF059315.D

Acq: 26 Jun 2018 14:27

Instrument :

MSVOA_F

ClientSampleId :

WP021SB476-25-27-180619RE

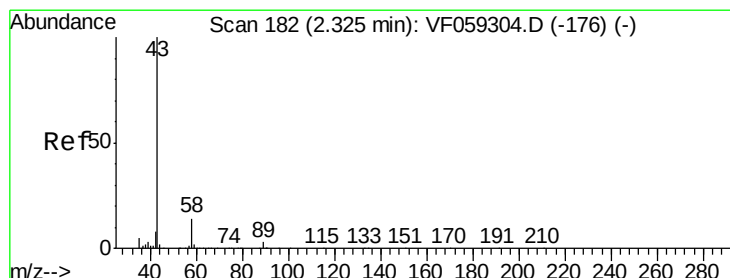
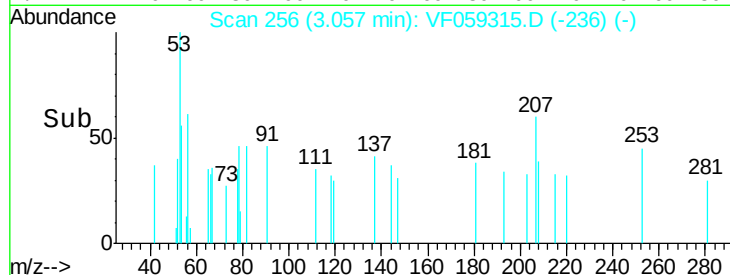
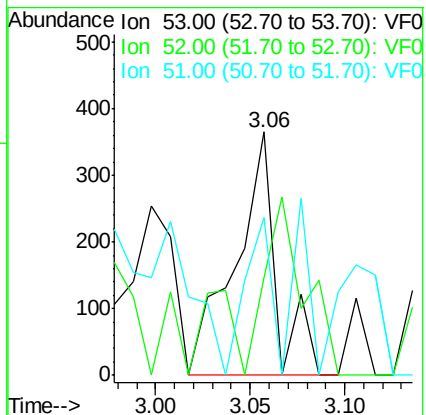
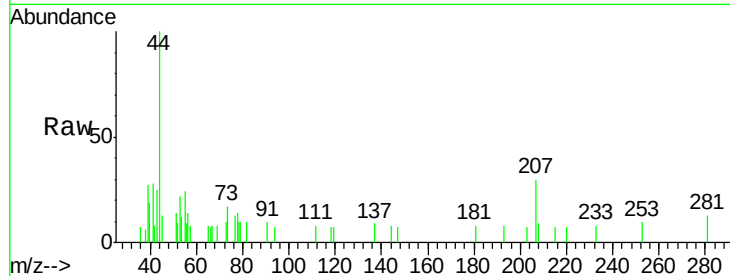
Tot Ion: 53 Resp: 548

Ion Ratio Lower Upper

53 100

52 25.7 79.2 118.8#

51 41.5 40.9 61.3



#16

Acetone

Concen: 49.372 ug/l

RT: 2.32 min Scan# 181

Delta R.T. -0.01 min

Lab File: VF059315.D

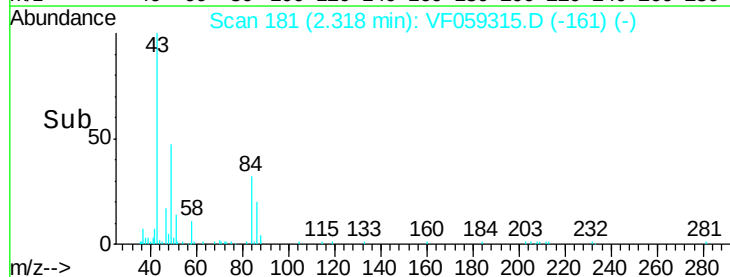
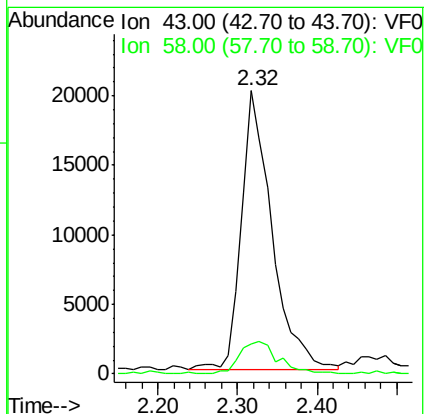
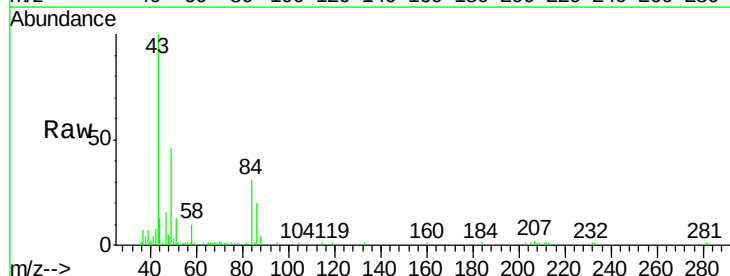
Acq: 26 Jun 2018 14:27

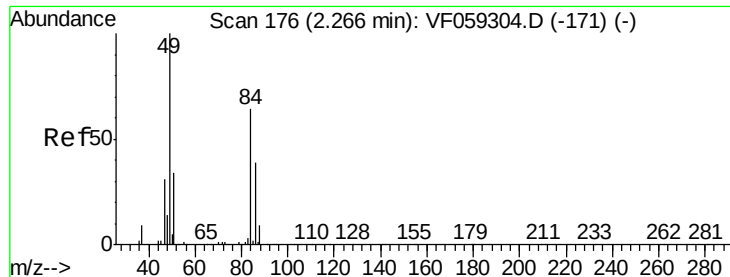
Tgt Ion: 43 Resp: 53576

Ion Ratio Lower Upper

43 100

58 10.4 11.4 17.0#

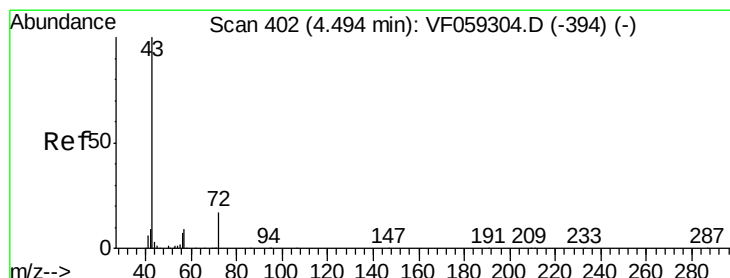
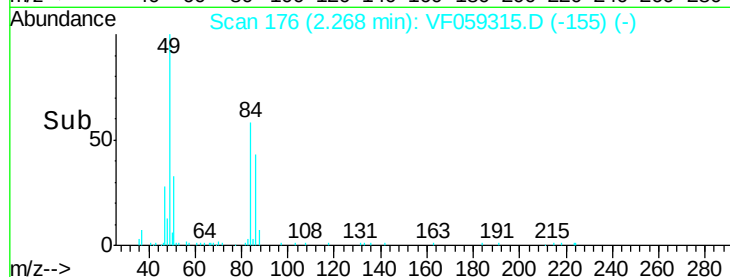
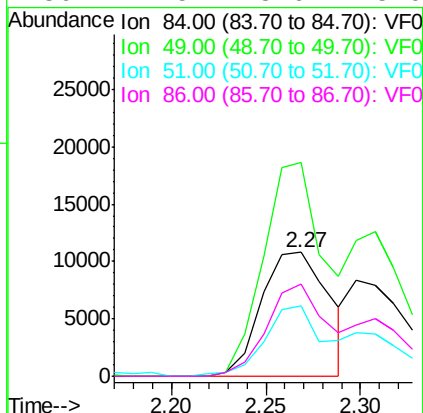
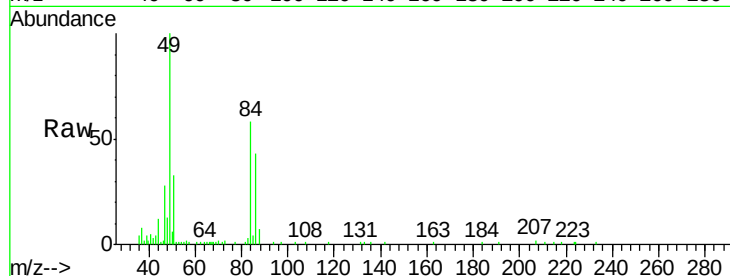




#20
Methvlene Chloride
Concen: 6.369 ug/l
RT: 2.27 min Scan# 176
Delta R.T. 0.00 min
Lab File: VF059315.D
Acq: 26 Jun 2018 14:27

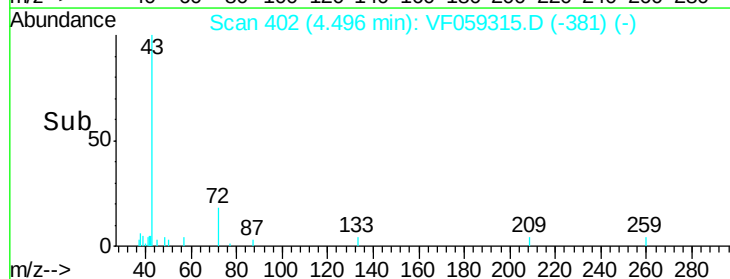
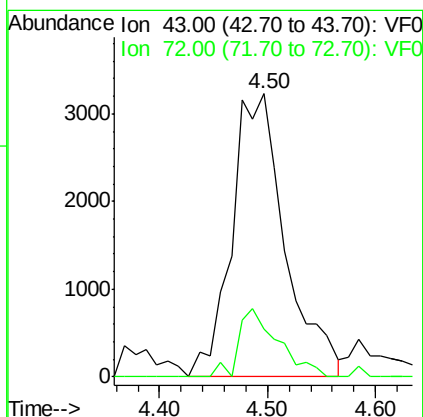
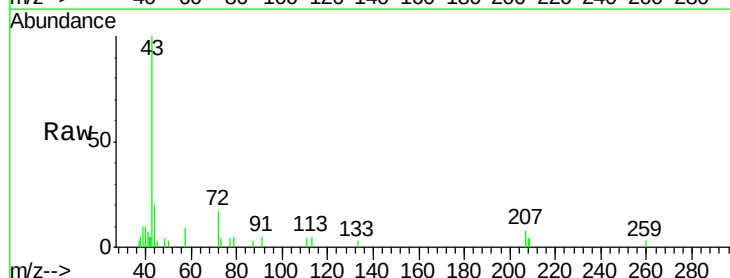
Instrument :
MSVOA_F
ClientSampleId :
WP021SB476-25-27-180619RE

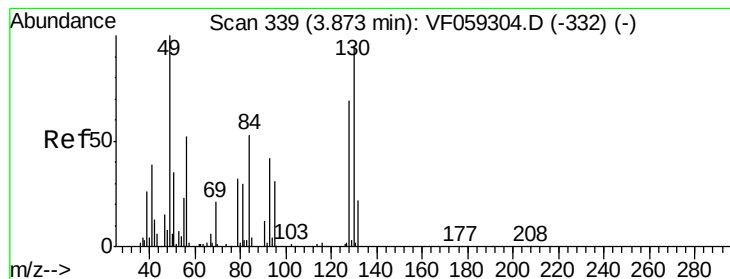
Tot Ion:	84	Resp:	26790
Ion	Ratio	Lower	Upper
84	100		
49	172.5	126.5	189.7
51	57.3	42.9	64.3
86	74.5	48.6	73.0#



#25
2-Butanone
Concen: 7.170 ug/l
RT: 4.50 min Scan# 402
Delta R.T. 0.00 min
Lab File: VF059315.D
Acq: 26 Jun 2018 14:27

Tgt Ion:	43	Resp:	11092
Ion	Ratio	Lower	Upper
43	100		
72	17.1	14.4	21.6





#28

Bromochloromethane

Concen: Below Cal

RT: 3.93 min Scan# 345

Delta R.T. 0.06 min

Lab File: VF059315.D

Acq: 26 Jun 2018 14:27

Instrument :

MSVOA_F

ClientSampleId :

WP021SB476-25-27-180619RE

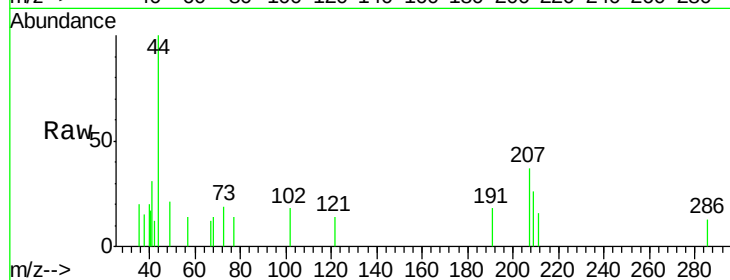
Tot Ion: 49 Resp: 103

Ion Ratio Lower Upper

49 100

129 0.0 0.0 6.4

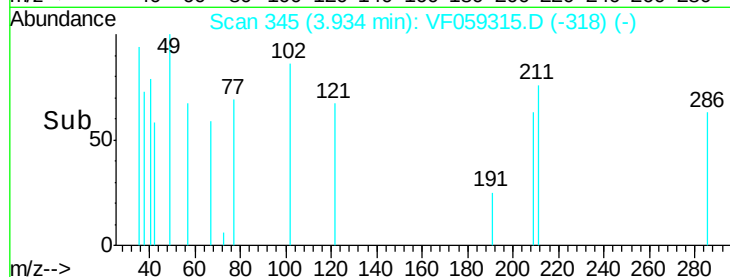
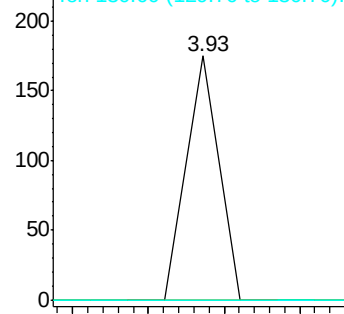
130 0.0 75.1 112.7#



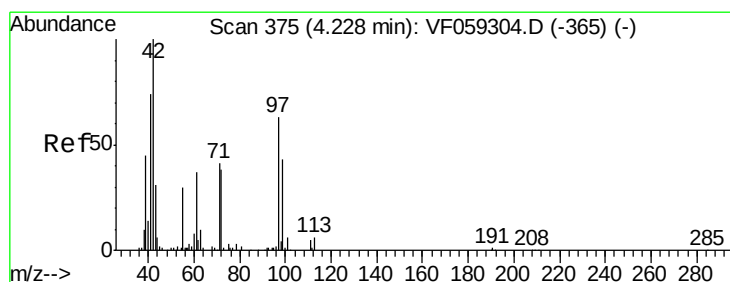
Abundance Ion 49.00 (48.70 to 49.70): VF0

Ion 129.00 (128.70 to 129.70): VF0

Ion 130.00 (129.70 to 130.70): VF0



Time-->



#29

Tetrahydrofuran

Concen: Below Cal

RT: 4.22 min Scan# 374

Delta R.T. -0.01 min

Lab File: VF059315.D

Acq: 26 Jun 2018 14:27

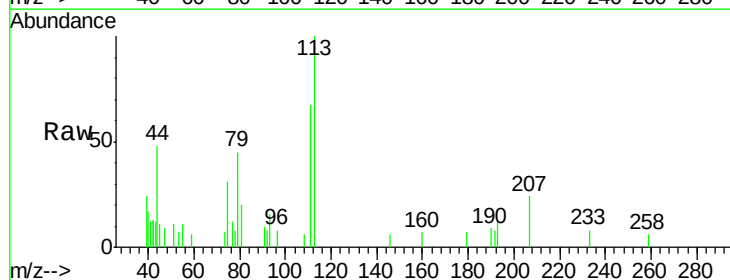
Tgt Ion: 42 Resp: 583

Ion Ratio Lower Upper

42 100

72 30.4 30.5 45.7#

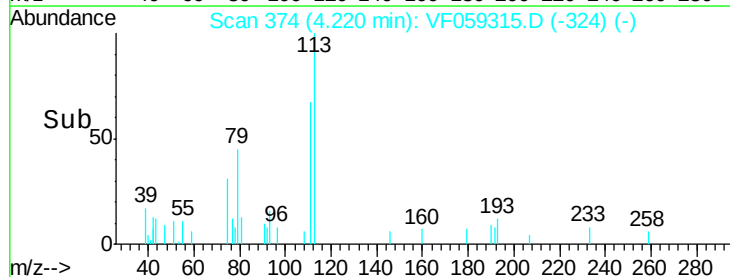
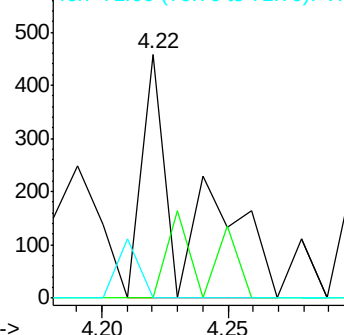
71 11.3 32.5 48.7#

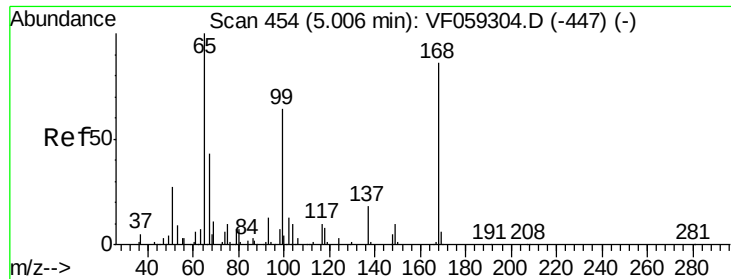


Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0

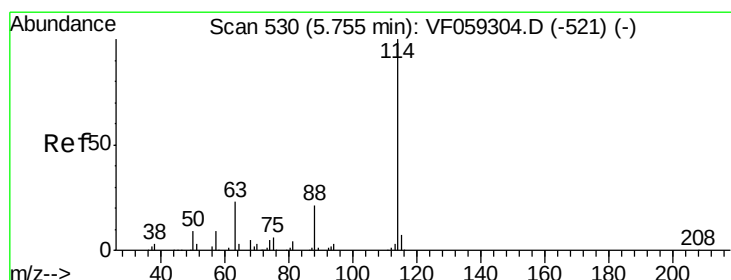
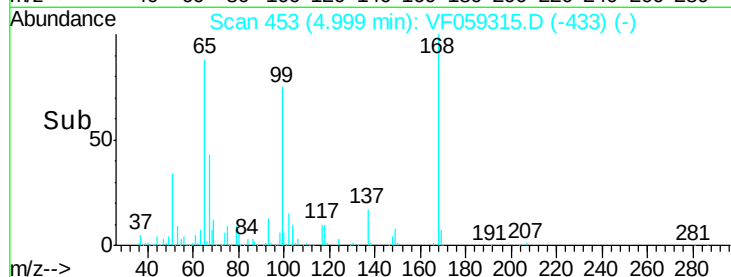
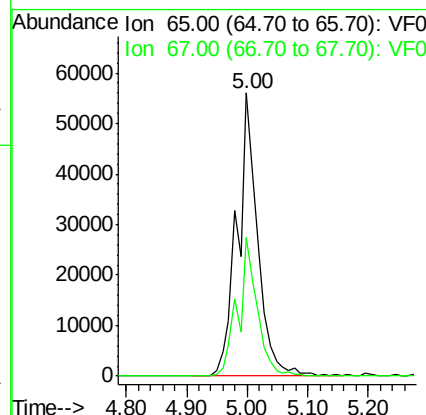
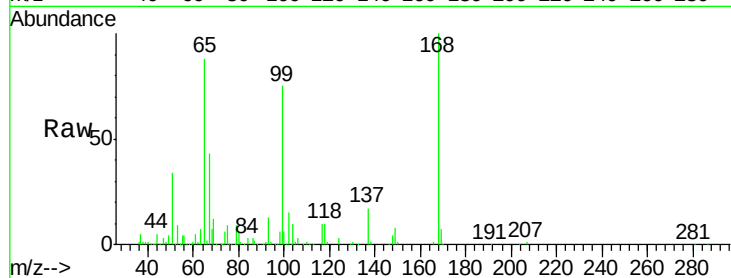




#33
 1,2-Dichloroethane-d4
 Concen: 35.380 ug/l
 RT: 5.00 min Scan# 453
 Delta R.T. -0.01 min
 Lab File: VF059315.D
 Acq: 26 Jun 2018 14:27

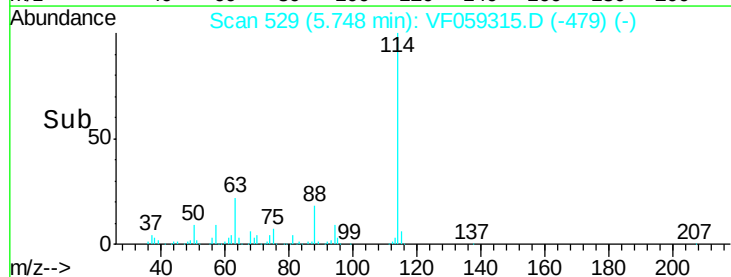
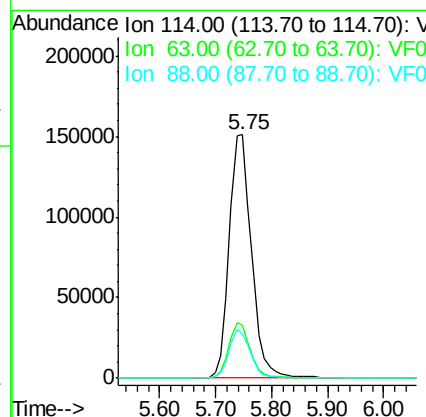
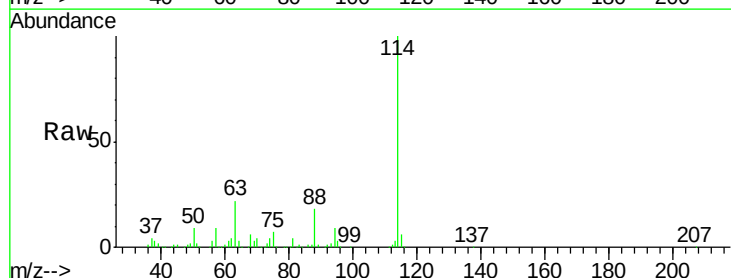
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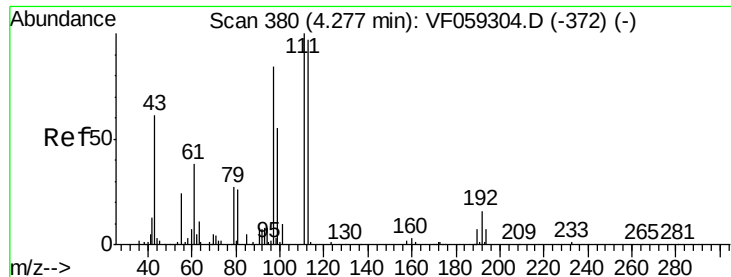
Tot Ion: 65 Resp: 131866
 Ion Ratio Lower Upper
 65 100
 67 49.1 0.0 96.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.75 min Scan# 529
 Delta R.T. -0.01 min
 Lab File: VF059315.D
 Acq: 26 Jun 2018 14:27

Tgt Ion: 114 Resp: 418901
 Ion Ratio Lower Upper
 114 100
 63 21.8 0.0 45.8
 88 18.1 0.0 41.2

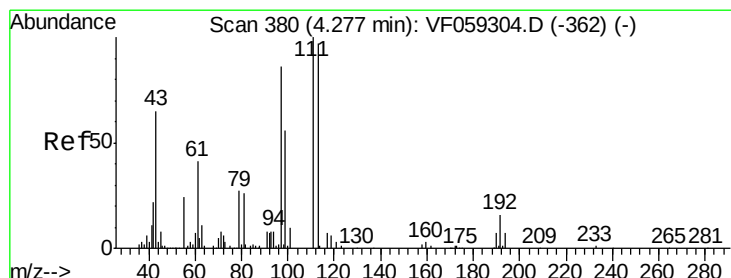
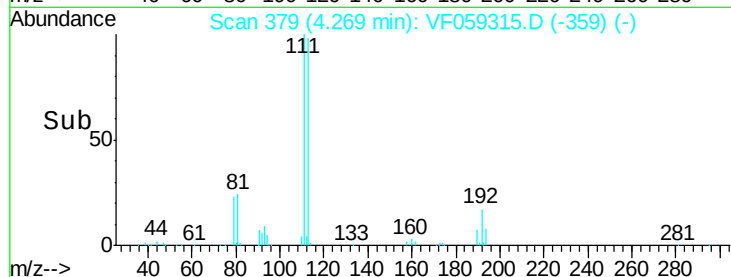
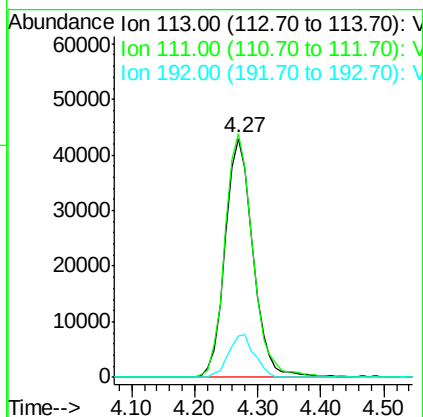
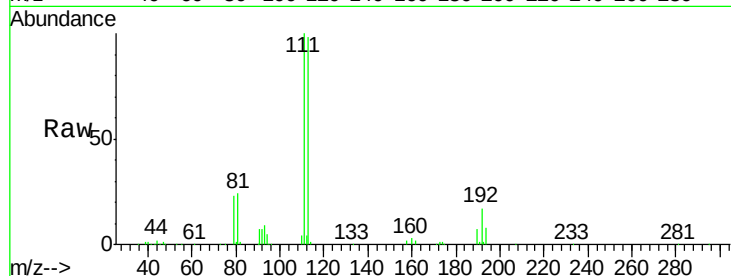




#35
Dibromofluoromethane
Concen: 42.943 ug/l
RT: 4.27 min Scan# 379
Delta R.T. -0.01 min
Lab File: VF059315.D
Acq: 26 Jun 2018 14:27

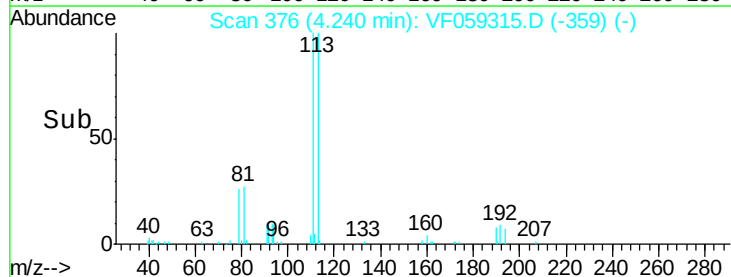
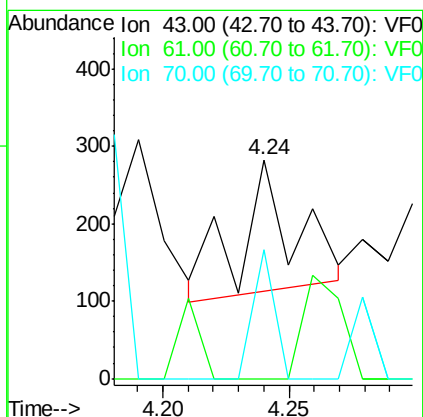
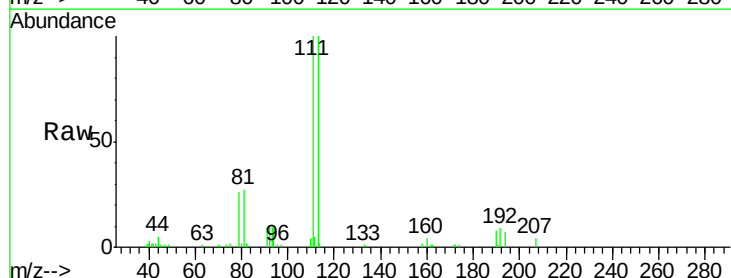
Instrument :
MSVOA_F
ClientSampleId :
WP021SB476-25-27-180619RE

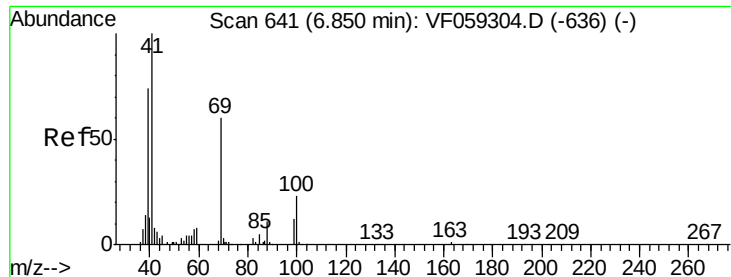
Tot Ion:113 Resp: 131438
Ion Ratio Lower Upper
113 100
111 101.8 82.1 123.1
192 17.5 13.0 19.6



#37
Ethyl Acetate
Concen: Below Cal
RT: 4.24 min Scan# 376
Delta R.T. -0.04 min
Lab File: VF059315.D
Acq: 26 Jun 2018 14:27

Tgt Ion: 43 Resp: 262
Ion Ratio Lower Upper
43 100
61 0.0 50.1 75.1#
70 58.7 6.2 9.4#





#49

1,4-Dioxane

Concen: Below Cal

RT: 7.10 min Scan# 666

Delta R.T. 0.25 min

Lab File: VF059315.D

Acq: 26 Jun 2018 14:27

Instrument :

MSVOA_F

ClientSampleId :

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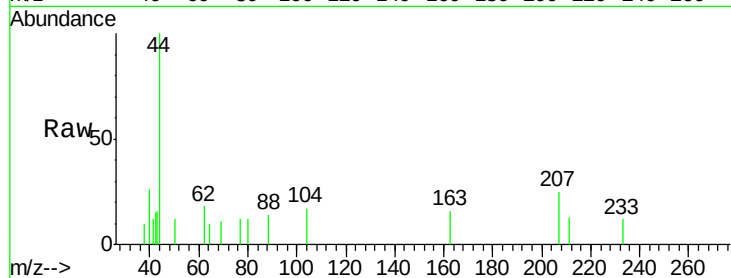
Tot Ion: 88 Resp: 151

Ion Ratio Lower Upper

88 100

43 116.2 50.6 75.8#

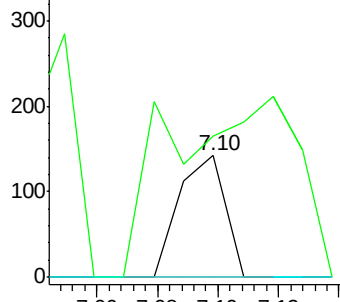
58 0.0 46.6 69.8#



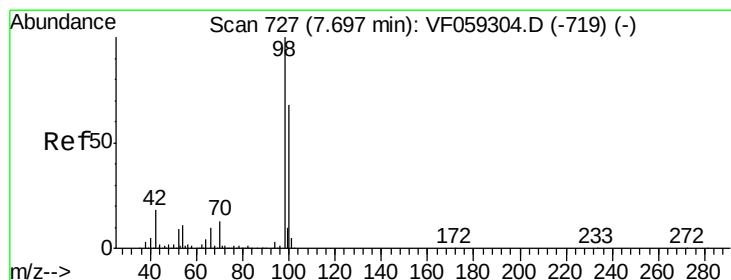
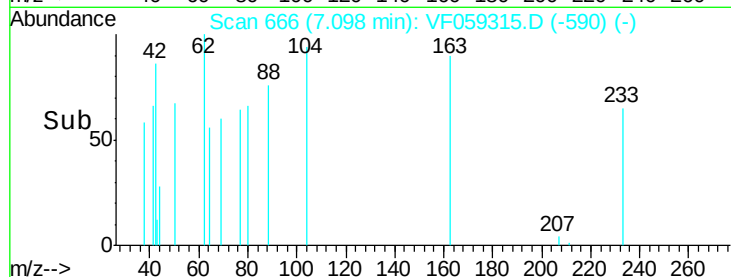
Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



Time-->



#50

Toluene-d8

Concen: 40.364 ug/l

RT: 7.69 min Scan# 726

Delta R.T. -0.01 min

Lab File: VF059315.D

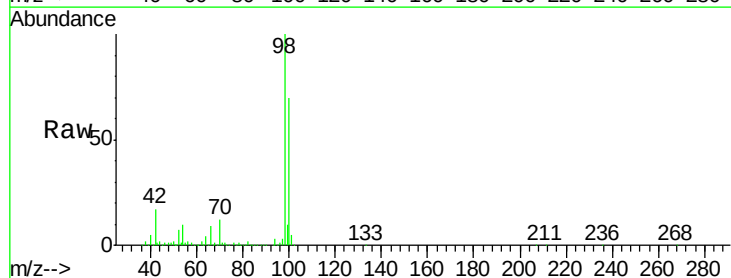
Acq: 26 Jun 2018 14:27

Tgt Ion: 98 Resp: 305884

Ion Ratio Lower Upper

98 100

100 69.8 54.6 82.0



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

150000

100000

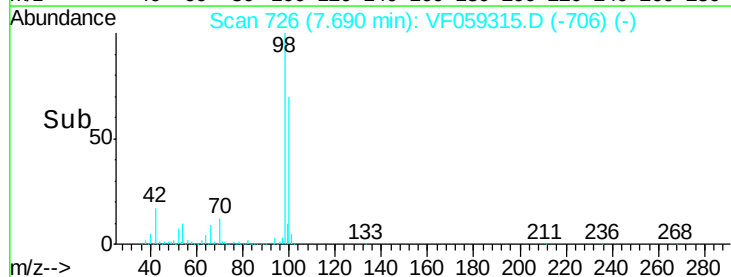
50000

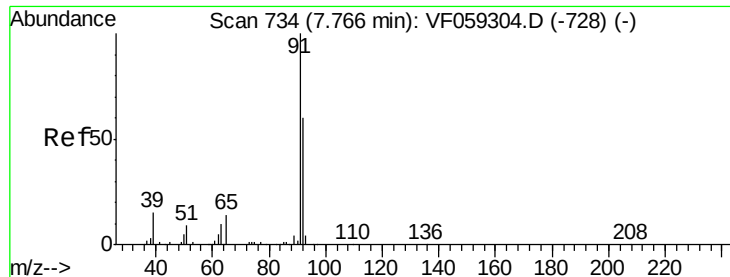
0

7.69

7.60 7.70 7.80 7.90

Time-->





#58

2-Chloroethyl Vinyl ether

Concen: 1.667 ug/l

RT: 7.75 min Scan# 732

Delta R.T. -0.02 min

Lab File: VF059315.D

Acq: 26 Jun 2018 14:27

Instrument :

MSVOA_F

ClientSampleId :

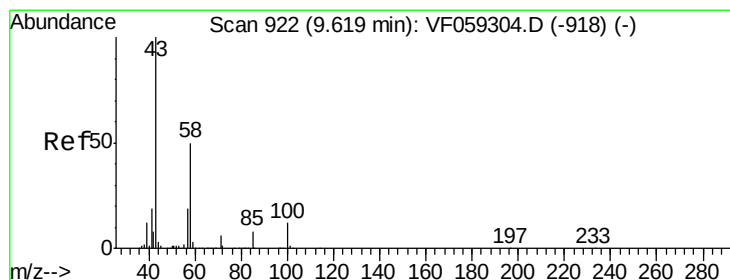
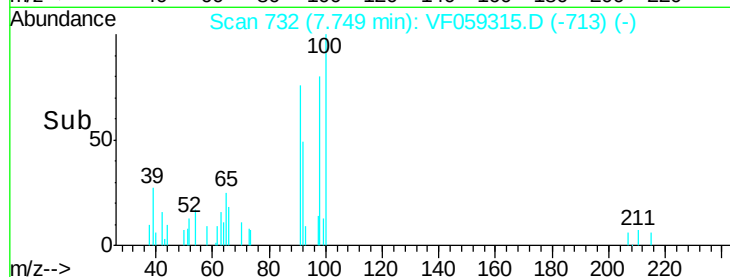
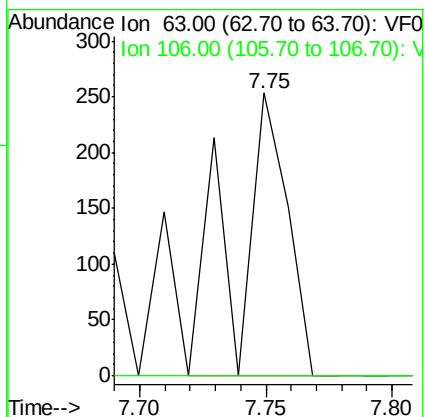
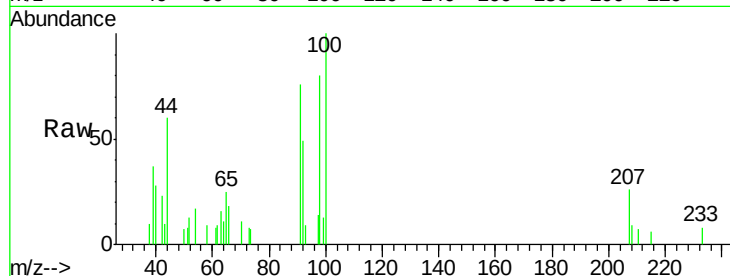
WP021SB476-25-27-180619RE

Tot Ion: 63 Resp: 365

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0



#59

2-Hexanone

Concen: Below Cal

RT: 9.62 min Scan# 922

Delta R.T. 0.00 min

Lab File: VF059315.D

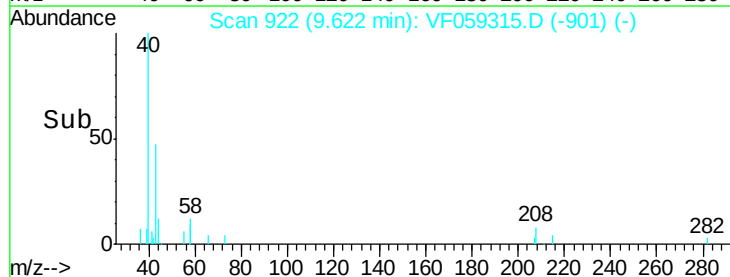
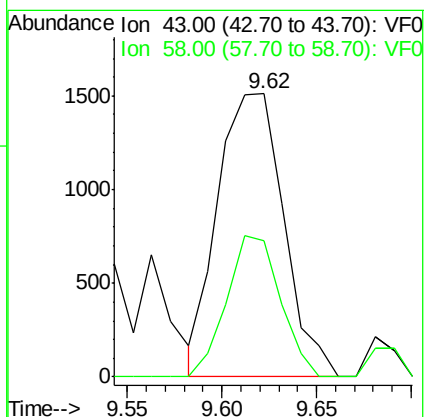
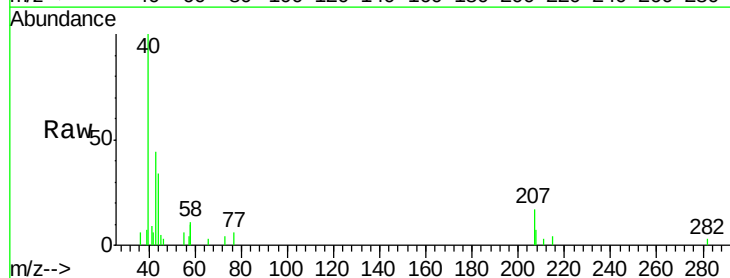
Acq: 26 Jun 2018 14:27

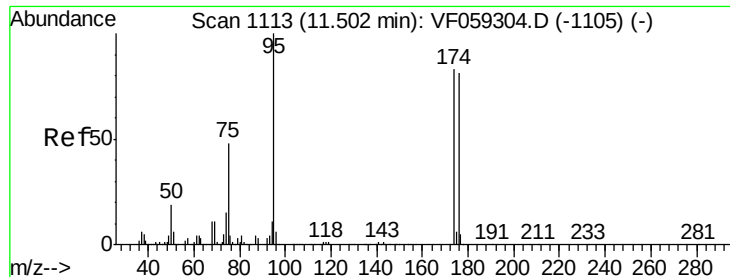
Tgt Ion: 43 Resp: 3666

Ion Ratio Lower Upper

43 100

58 48.0 23.3 69.9

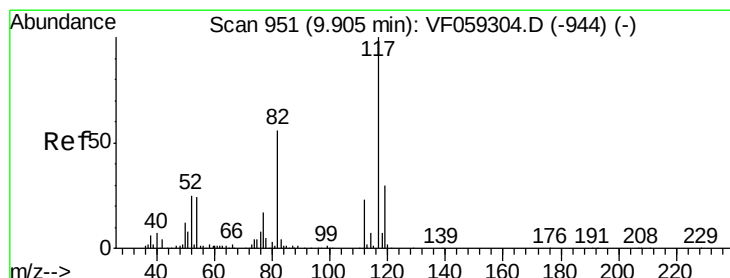
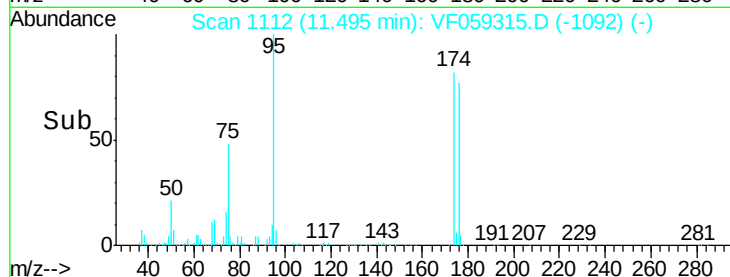
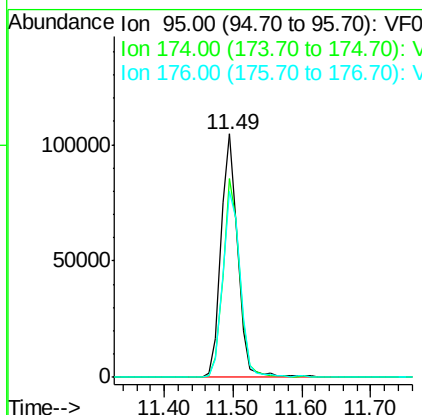
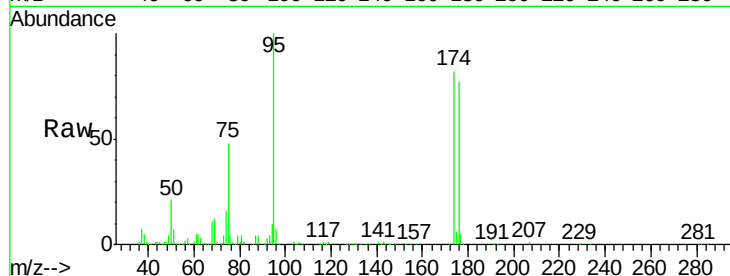




#62
4-Bromofluorobenzene
Concen: 41.548 ug/l
RT: 11.49 min Scan# 1112
Delta R.T. -0.01 min
Lab File: VF059315.D
Acq: 26 Jun 2018 14:27

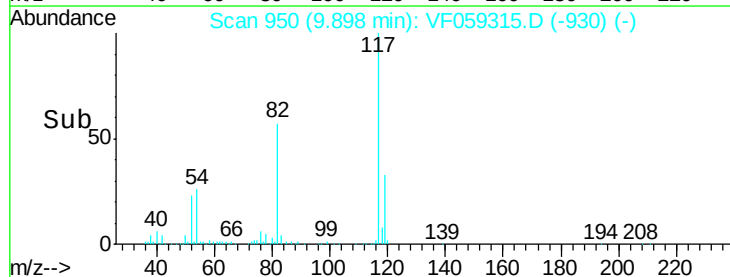
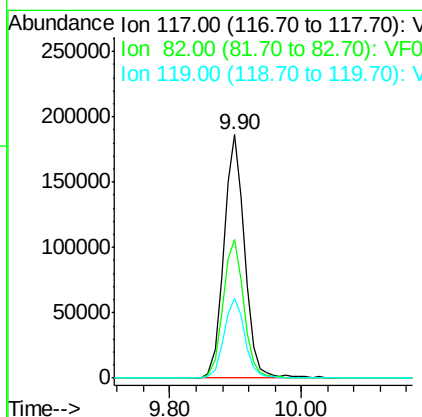
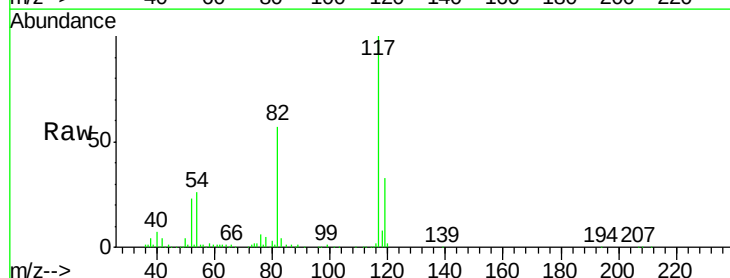
Instrument :
MSVOA_F
ClientSampleId :
WP021SB476-25-27-180619RE

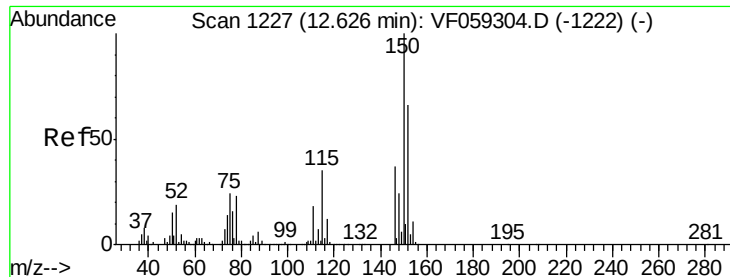
Tot Ion: 95 Resp: 177610
Ion Ratio Lower Upper
95 100
174 81.7 0.0 165.2
176 76.6 0.0 161.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.90 min Scan# 950
Delta R.T. -0.01 min
Lab File: VF059315.D
Acq: 26 Jun 2018 14:27

Tgt Ion: 117 Resp: 411837
Ion Ratio Lower Upper
117 100
82 56.9 44.6 66.8
119 32.9 24.1 36.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.62 min Scan# 1226

Delta R.T. -0.01 min

Lab File: VF059315.D

Acq: 26 Jun 2018 14:27

Instrument :

MSVOA_F

ClientSampleId :

WP021SB476-25-27-180619RE

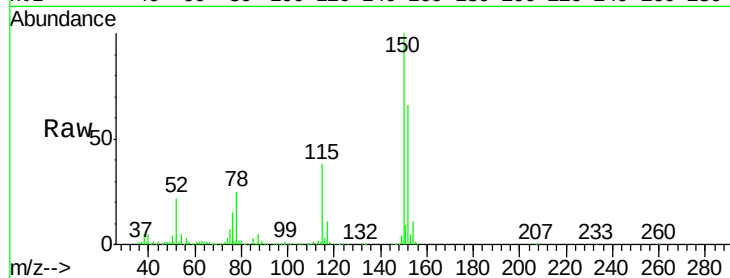
Tot Ion:152 Resp: 269598

Ion Ratio Lower Upper

152 100

115 58.0 27.1 81.3

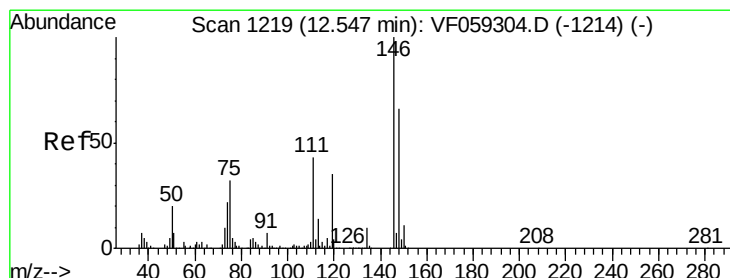
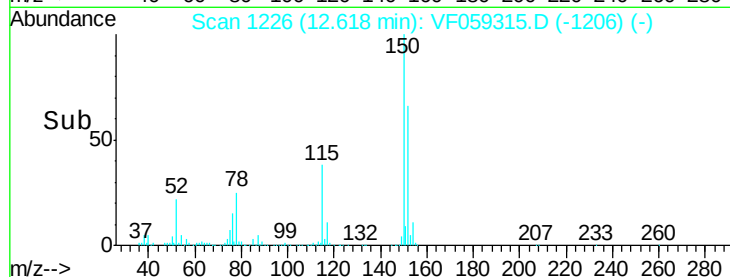
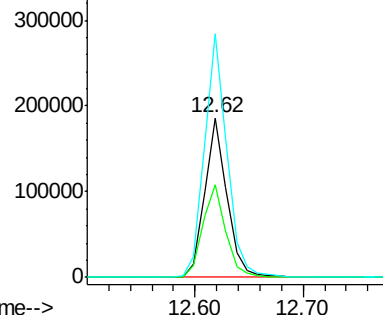
150 152.6 0.0 305.2



Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V



#87

1,3-Dichlorobenzene

Concen: Below Cal

RT: 12.54 min Scan# 1218

Delta R.T. -0.01 min

Lab File: VF059315.D

Acq: 26 Jun 2018 14:27

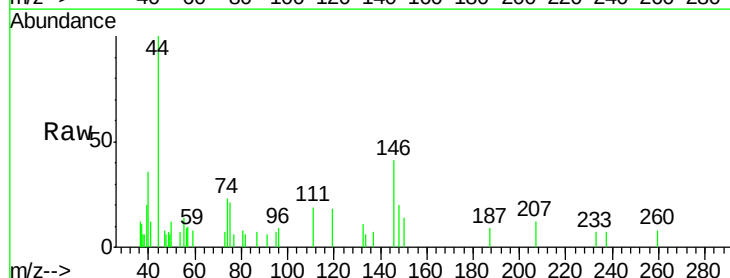
Tgt Ion:146 Resp: 988

Ion Ratio Lower Upper

146 100

111 45.2 21.4 64.2

148 49.4 32.8 98.4



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

