

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF050819\
 Data File : VF062378.D
 Acq On : 8 May 2019 15:40
 Operator : FY/SY
 Sample : K2639-03
 Misc : 6.41g/5mL/MSVOA_F/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 NB-08-050319-B

Quant Time: May 08 16:04:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F050619S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 04:34:57 2019
 Response via : Initial Calibration

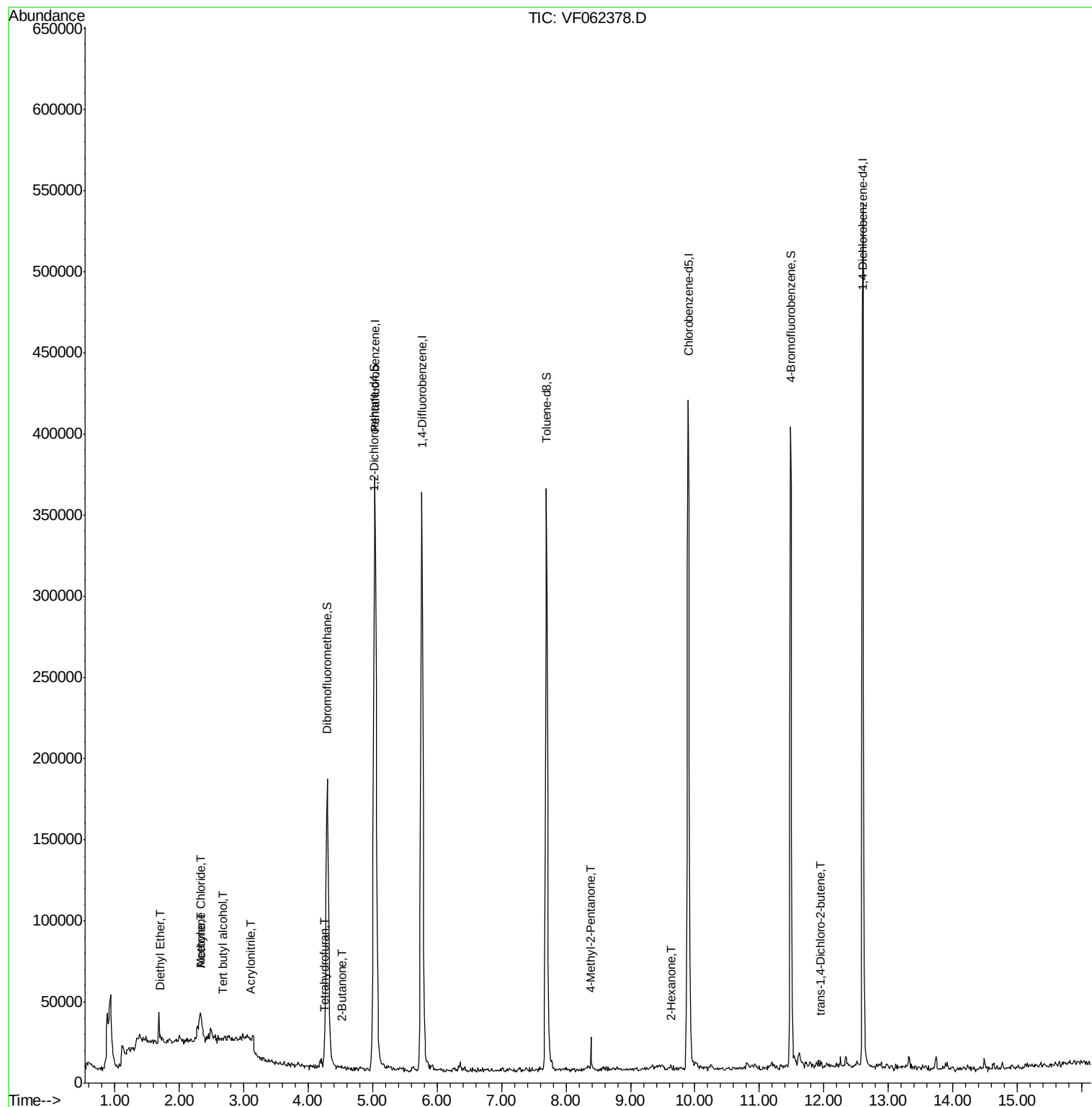
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	290744	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	401214	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.89	117	305999	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.60	152	150360	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.01	65	143748	52.32	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.64%	
35) Dibromofluoromethane	4.30	113	159023	49.75	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.50%	
50) Toluene-d8	7.70	98	298334	38.56	ug/l	0.00
Spiked Amount 50.000			Recovery	=	77.12%	
62) 4-Bromofluorobenzene	11.48	95	130785	37.47	ug/l	0.00
Spiked Amount 50.000			Recovery	=	74.94%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.40	94	637	Below Cal		89
8) Diethyl Ether	1.71	74	1891	2.721 ug/l		82
11) Tert butyl alcohol	2.68	59	1124	7.238 ug/l #		1
13) Acrolein	2.10	56	264	Below Cal #		1
15) Acrylonitrile	3.11	53	562	1.911 ug/l #		14
16) Acetone	2.34	43	1988	3.577 ug/l #		90
20) Methylene Chloride	2.33	84	14689	7.304 ug/l #		95
25) 2-Butanone	4.53	43	706	1.011 ug/l #		91
29) Tetrahydrofuran	4.24	42	342	1.066 ug/l #		51
37) Ethyl Acetate	4.30	43	1306	Below Cal #		73
38) Carbon Tetrachloride	4.17	117	82	Below Cal #		14
49) 1,4-Dioxane	6.85	88	121	Below Cal #		16
51) 4-Methyl-2-Pentanone	8.39	43	2460	2.071 ug/l #		68
59) 2-Hexanone	9.62	43	2059	2.506 ug/l		81
81) trans-1,4-Dichloro-2-buten	11.93	75	521	1.302 ug/l #		39

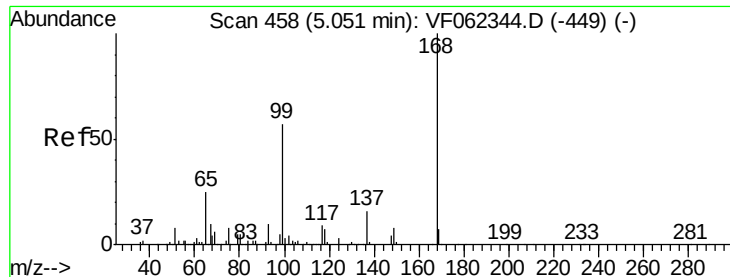
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue May 07 04:34:57 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.04 min Scan# 458

Delta R.T. -0.01 min

Lab File: VF062378.D

Acq: 8 May 2019 15:40

Instrument :

MSVOA_F

ClientSampleId :

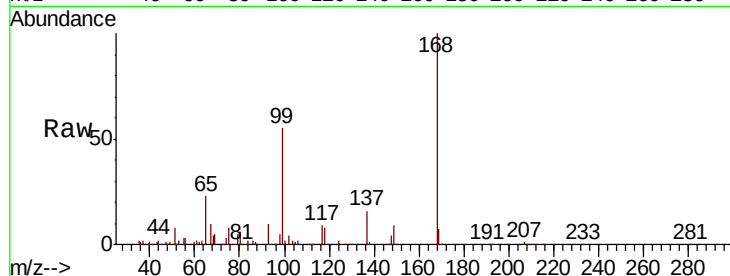
NB-08-050319-B

Tgt Ion:168 Resp: 290744

Ion Ratio Lower Upper

168 100

99 55.1 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): VF0

Ion 98.90 (98.60 to 99.60): VF0

5.04

100000

80000

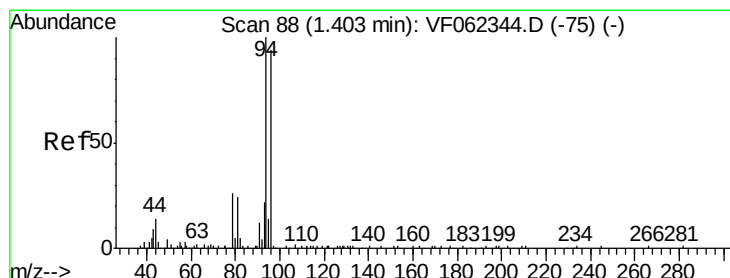
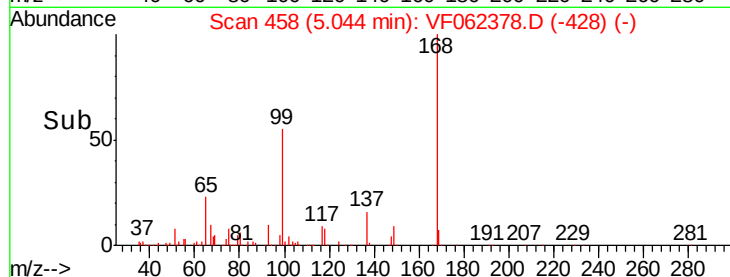
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.40 min Scan# 88

Delta R.T. -0.01 min

Lab File: VF062378.D

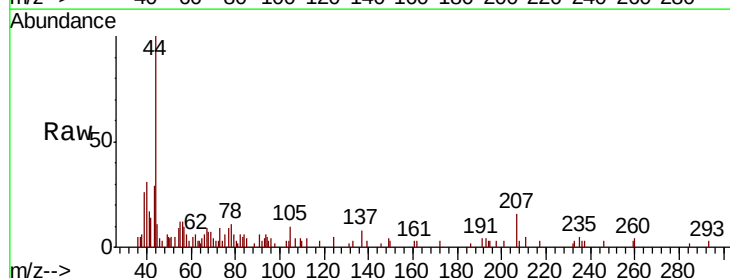
Acq: 8 May 2019 15:40

Tgt Ion: 94 Resp: 637

Ion Ratio Lower Upper

94 100

96 83.4 75.4 113.2



Abundance Ion 93.90 (93.60 to 94.60): VF0

Ion 95.90 (95.60 to 96.60): VF0

1.40

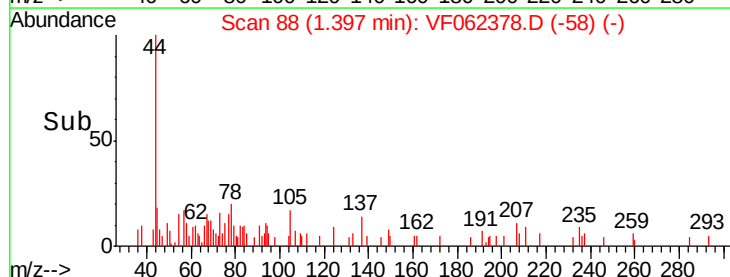
600

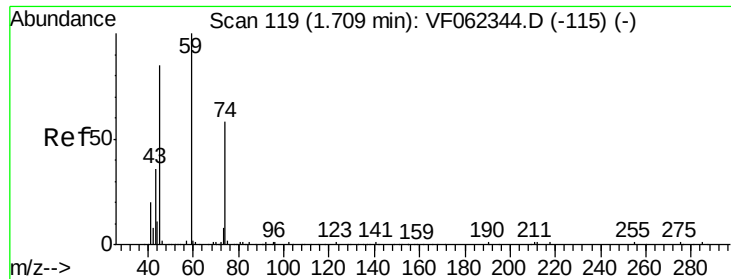
400

200

0

Time-->

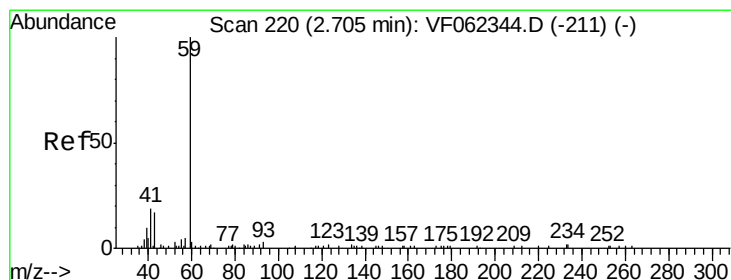
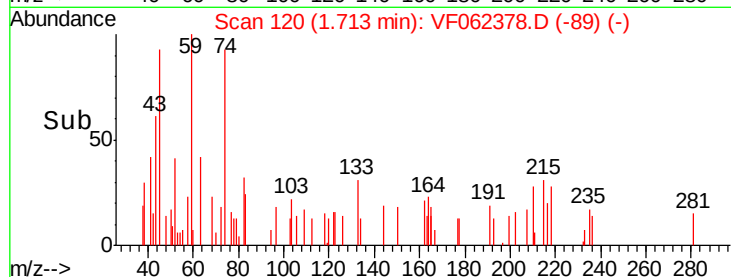
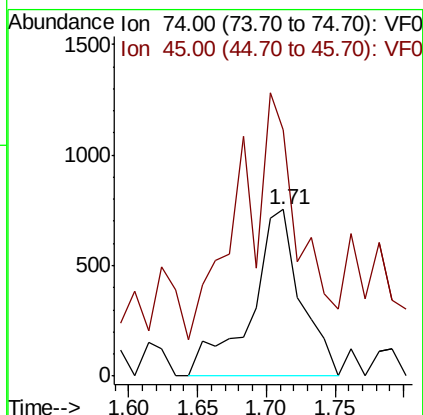
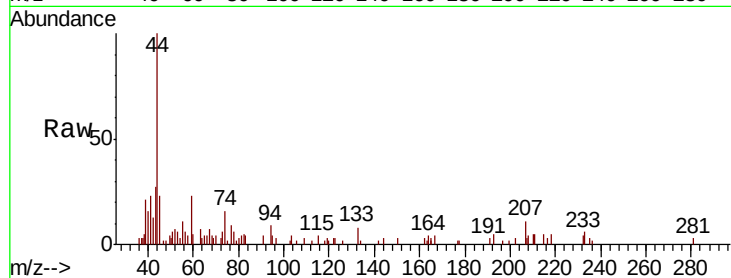




#8
Diethyl Ether
Concen: 2.721 ug/l
RT: 1.71 min Scan# 120
Delta R.T. 0.00 min
Lab File: VF062378.D
Acq: 8 May 2019 15:40

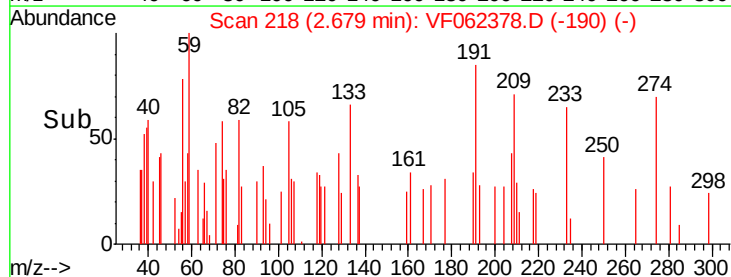
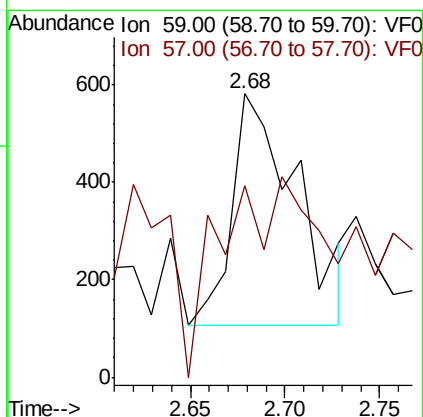
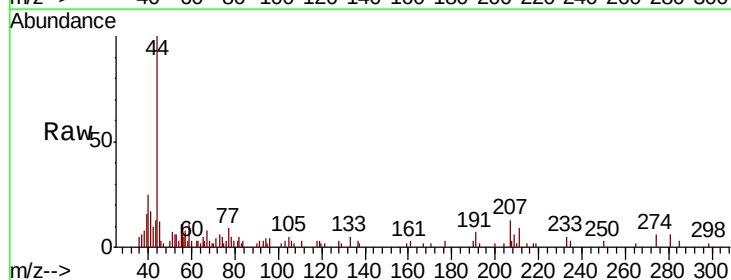
Instrument :
MSVOA_F
ClientSampleId :
NB-08-050319-B

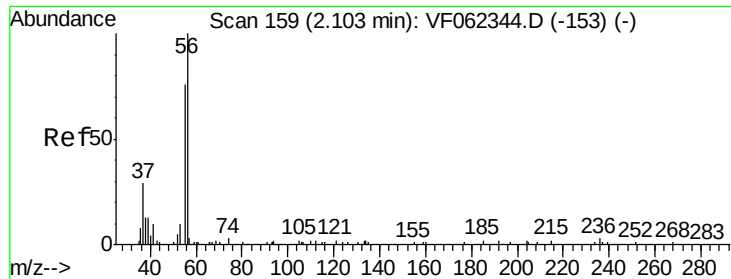
Tgt Ion: 74 Resp: 1891
Ion Ratio Lower Upper
74 100
45 170.8 73.9 221.6



#11
Tert butyl alcohol
Concen: 7.238 ug/l
RT: 2.68 min Scan# 218
Delta R.T. -0.03 min
Lab File: VF062378.D
Acq: 8 May 2019 15:40

Tgt Ion: 59 Resp: 1124
Ion Ratio Lower Upper
59 100
57 133.0 9.3 13.9#

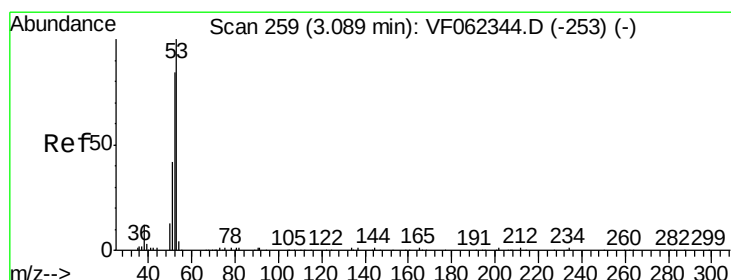
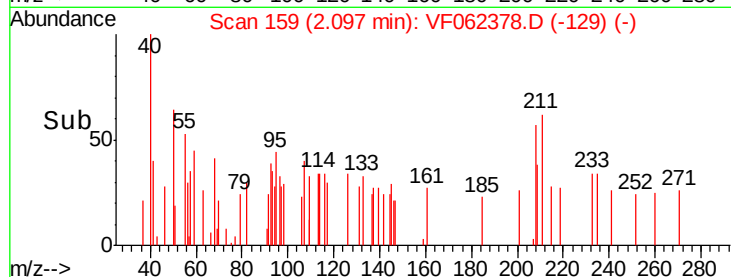
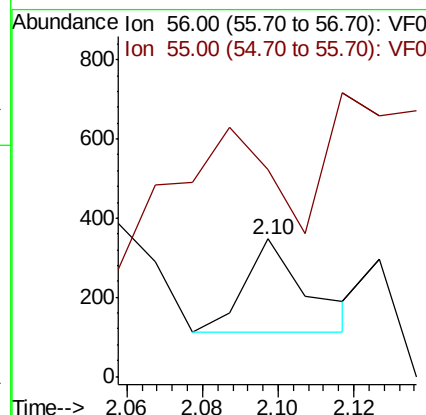
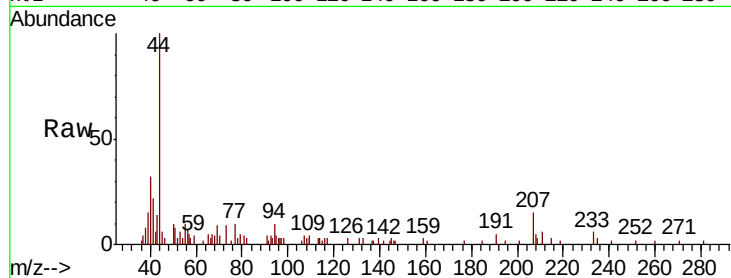




#13
Acrolein
Concen: Below Cal
RT: 2.10 min Scan# 159
Delta R.T. -0.01 min
Lab File: VF062378.D
Acq: 8 May 2019 15:40

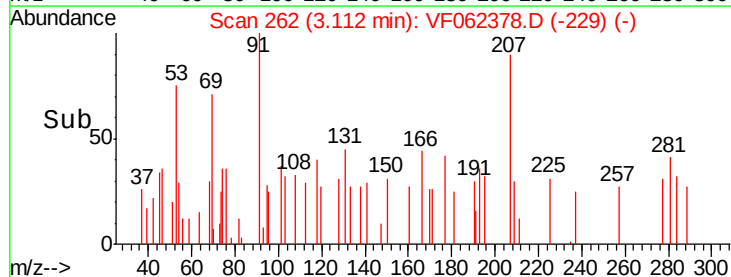
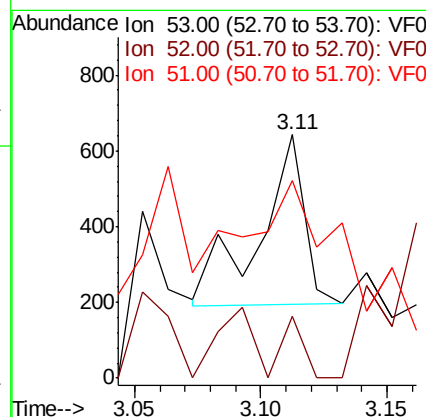
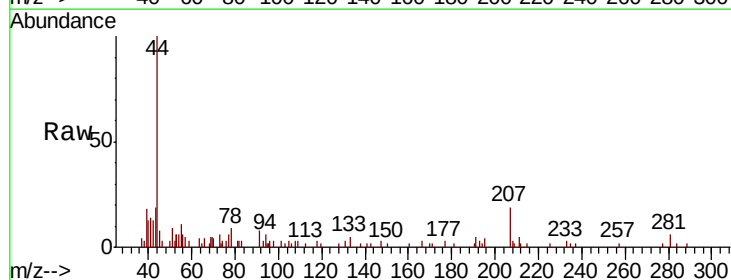
Instrument :
MSVOA_F
ClientSampleId :
NB-08-050319-B

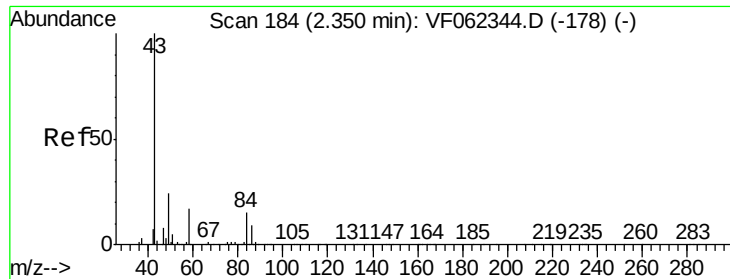
Tgt Ion: 56 Resp: 264
Ion Ratio Lower Upper
56 100
55 254.2 58.4 87.6#



#15
Acrylonitrile
Concen: 1.911 ug/l
RT: 3.11 min Scan# 262
Delta R.T. 0.02 min
Lab File: VF062378.D
Acq: 8 May 2019 15:40

Tgt Ion: 53 Resp: 562
Ion Ratio Lower Upper
53 100
52 49.6 77.2 115.8#
51 160.3 40.6 61.0#





#16

Acetone

Concen: 3.577 ug/l

RT: 2.34 min Scan# 184

Delta R.T. -0.01 min

Lab File: VF062378.D

Acq: 8 May 2019 15:40

Instrument :

MSVOA_F

ClientSampleId :

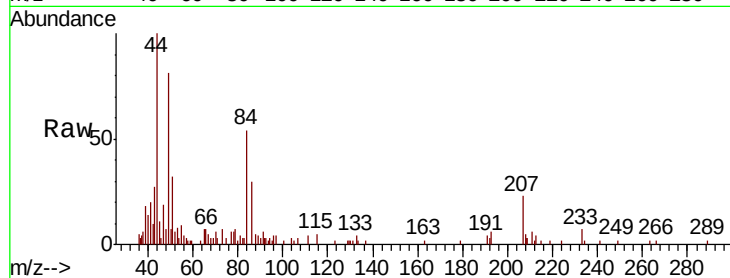
NB-08-050319-B

Tgt Ion: 43 Resp: 1988

Ion Ratio Lower Upper

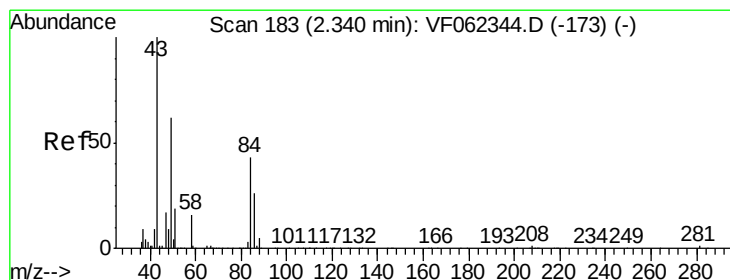
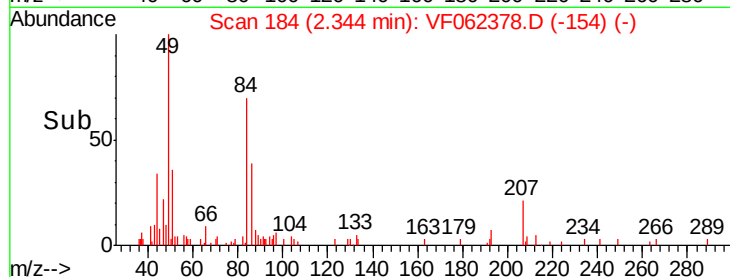
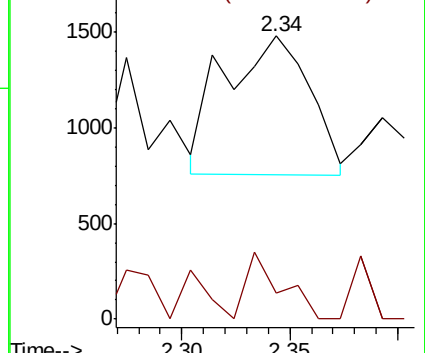
43 100

58 20.5 13.1 19.7#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#20

Methylene Chloride

Concen: 7.304 ug/l

RT: 2.33 min Scan# 183

Delta R.T. -0.01 min

Lab File: VF062378.D

Acq: 8 May 2019 15:40

Tgt Ion: 84 Resp: 14689

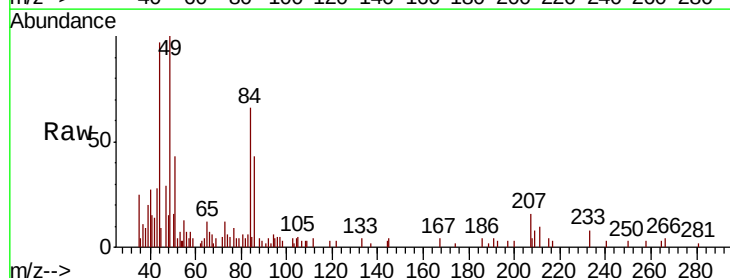
Ion Ratio Lower Upper

84 100

49 150.5 117.5 176.3

51 55.5 37.0 55.4#

86 64.1 49.3 73.9

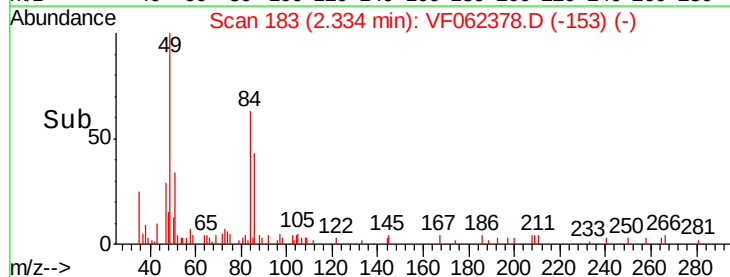
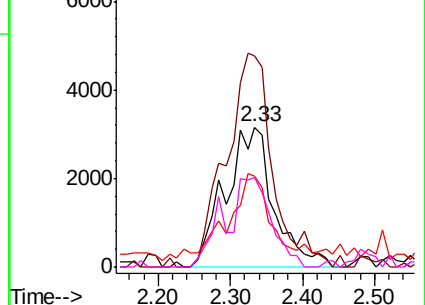


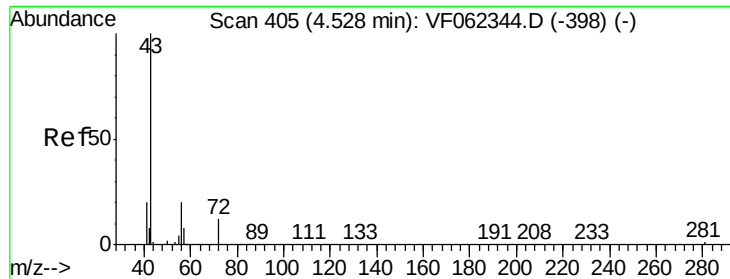
Abundance Ion 83.90 (83.60 to 84.60): VF0

Ion 48.90 (48.60 to 49.60): VF0

Ion 50.90 (50.60 to 51.60): VF0

Ion 85.90 (85.60 to 86.60): VF0





#25

2-Butanone

Concen: 1.011 ug/l

RT: 4.53 min Scan# 406

Delta R.T. 0.00 min

Lab File: VF062378.D

Acq: 8 May 2019 15:40

Instrument :

MSVOA_F

ClientSampleId :

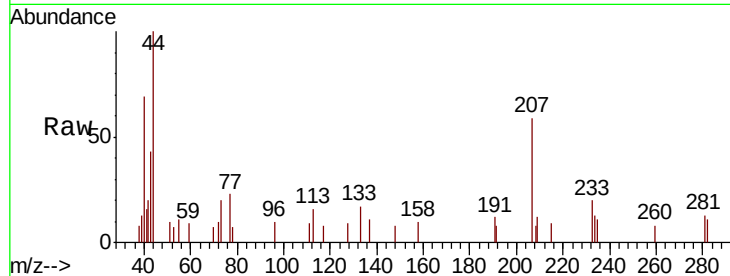
NB-08-050319-B

Tgt Ion: 43 Resp: 706

Ion Ratio Lower Upper

43 100

72 21.9 14.2 21.4#



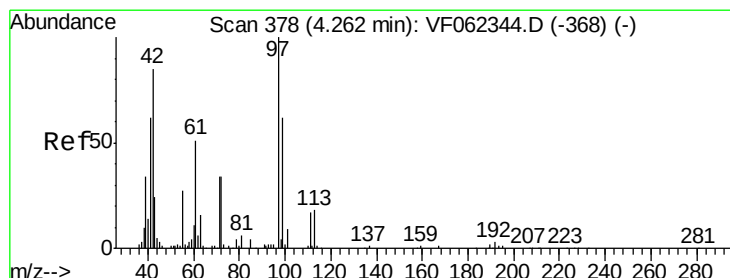
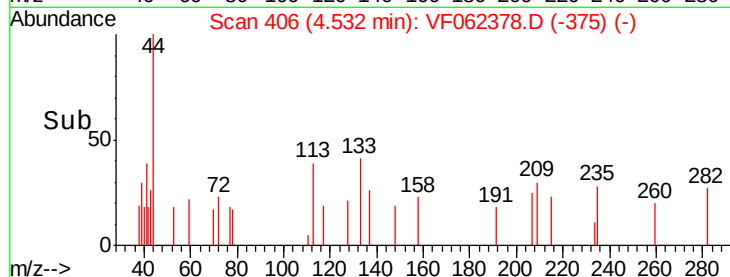
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

4.53

4.54

Time-->



#29

Tetrahydrofuran

Concen: 1.066 ug/l

RT: 4.24 min Scan# 376

Delta R.T. -0.03 min

Lab File: VF062378.D

Acq: 8 May 2019 15:40

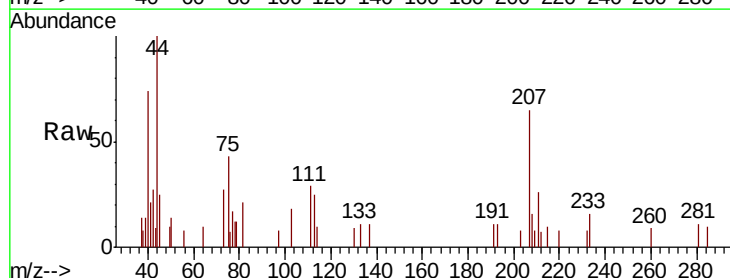
Tgt Ion: 42 Resp: 342

Ion Ratio Lower Upper

42 100

72 18.4 31.4 47.0#

71 0.0 31.7 47.5#



Abundance Ion 42.00 (41.70 to 42.70): VF0

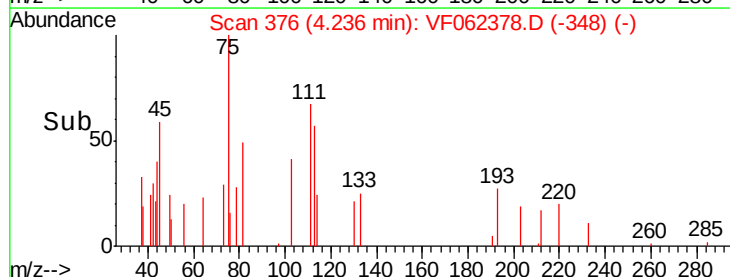
Ion 72.00 (71.70 to 72.70): VF0

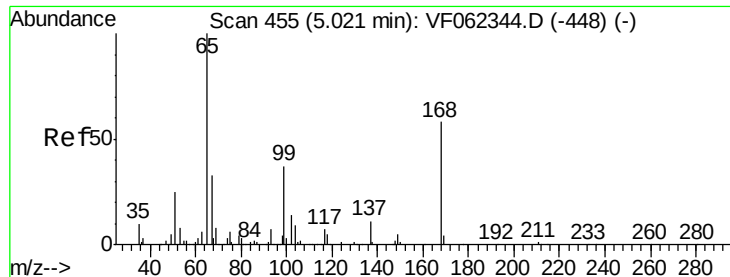
Ion 71.00 (70.70 to 71.70): VF0

4.24

4.22

Time-->

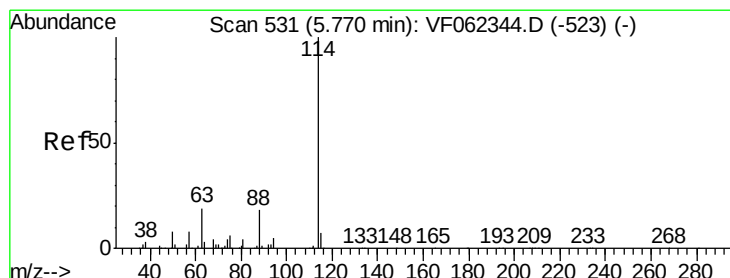
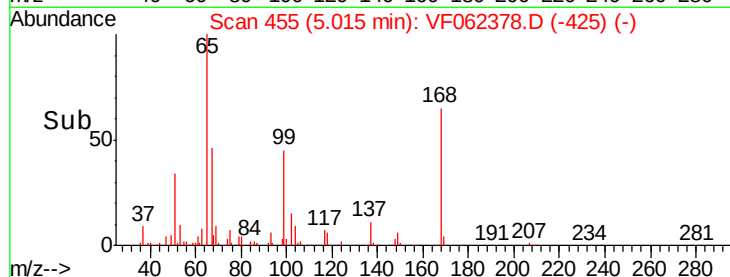
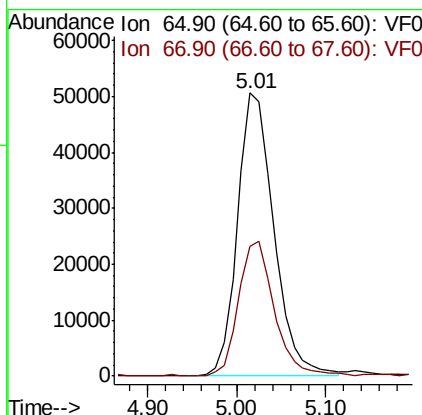
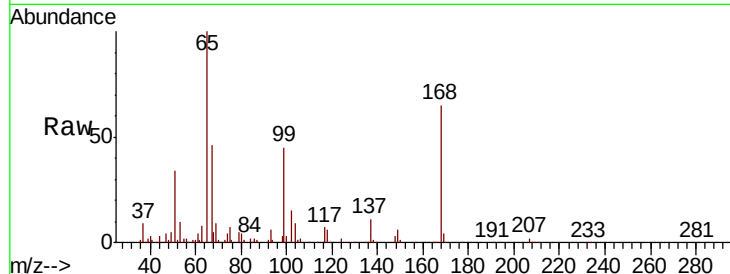




#33
 1,2-Dichloroethane-d4
 Concen: 52.317 ug/l
 RT: 5.01 min Scan# 455
 Delta R.T. -0.01 min
 Lab File: VF062378.D
 Acq: 8 May 2019 15:40

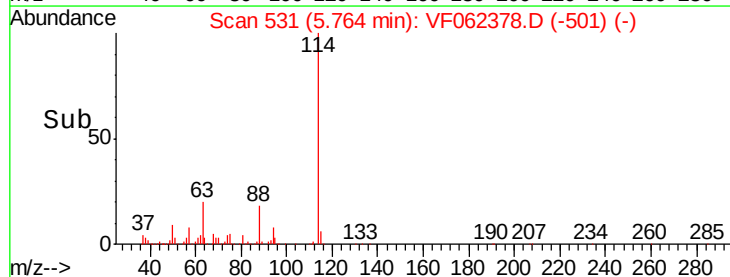
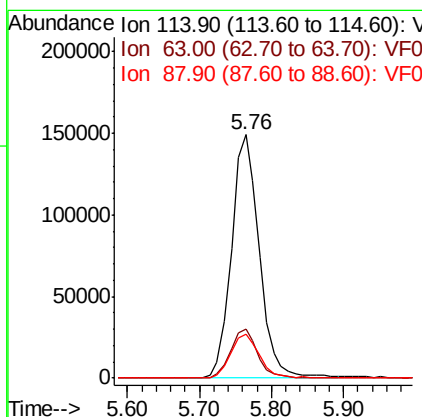
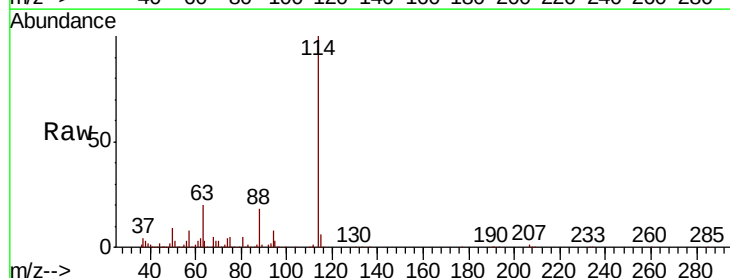
Instrument :
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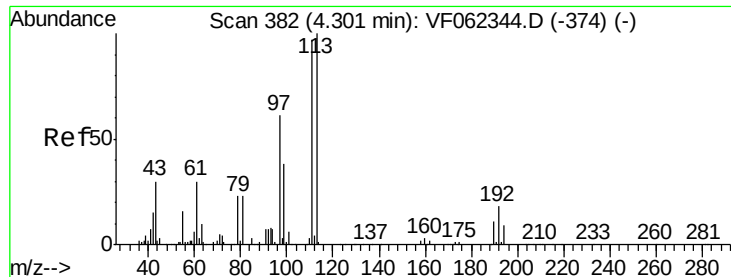
Tgt Ion: 65 Resp: 143748
 Ion Ratio Lower Upper
 65 100
 67 47.0 0.0 85.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.76 min Scan# 531
 Delta R.T. -0.01 min
 Lab File: VF062378.D
 Acq: 8 May 2019 15:40

Tgt Ion: 114 Resp: 401214
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 37.4
 88 18.0 0.0 36.4

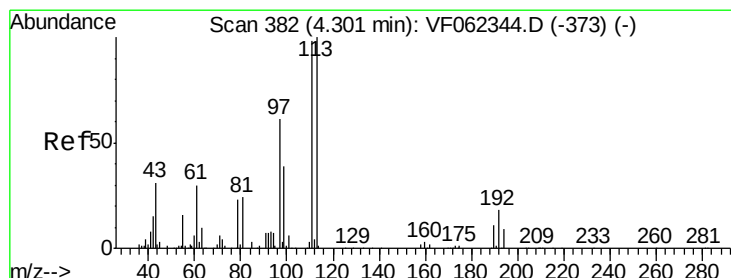
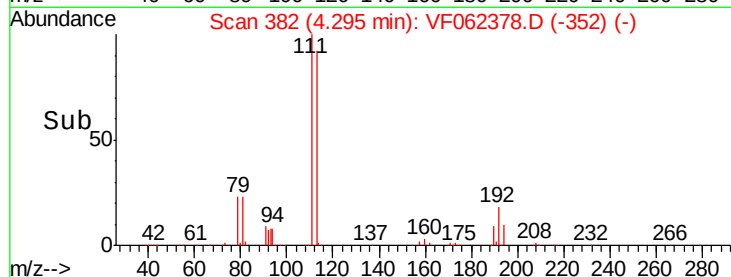
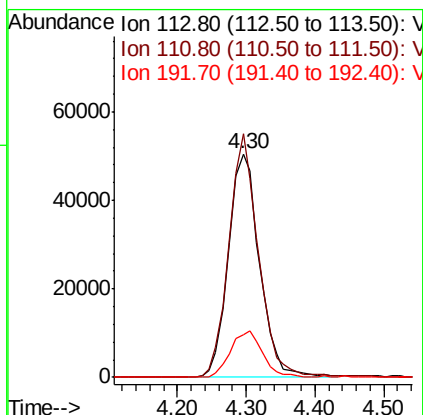
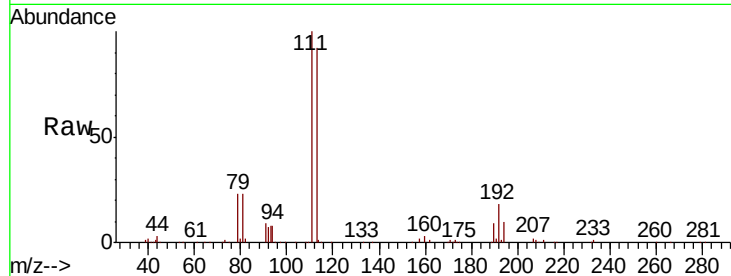




#35
 Dibromofluoromethane
 Concen: 49.751 ug/l
 RT: 4.30 min Scan# 382
 Delta R.T. -0.01 min
 Lab File: VF062378.D
 Acq: 8 May 2019 15:40

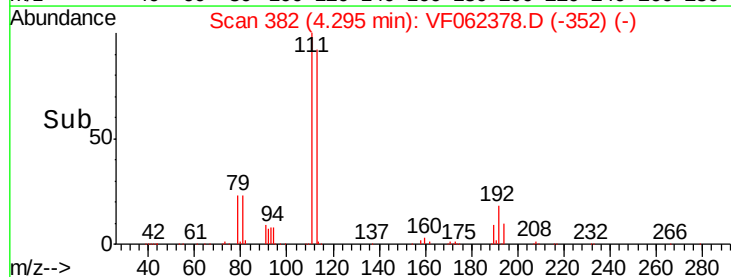
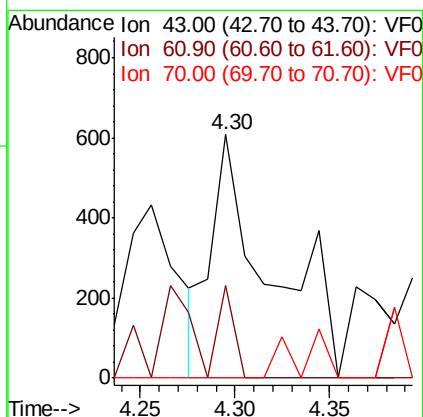
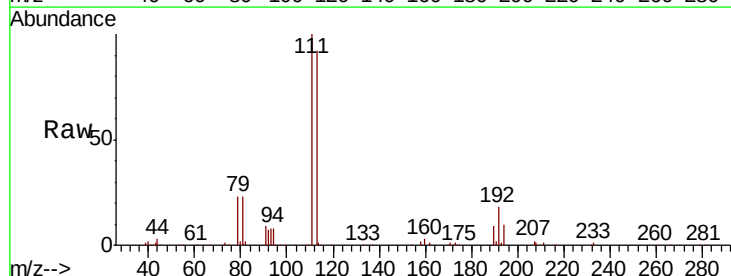
Instrument :
 MSVOA_F
 ClientSampleId :
 NB-08-050319-B

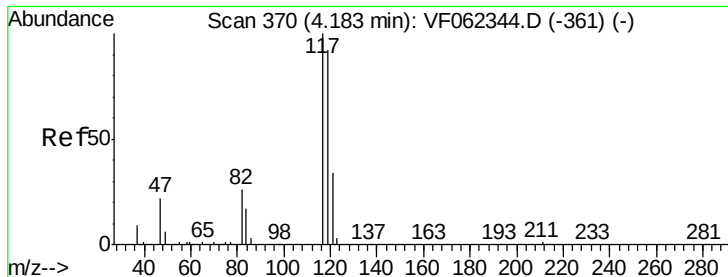
Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.3	79.4	119.0
192	21.3	16.0	24.0



#37
 Ethyl Acetate
 Concen: Below Cal
 RT: 4.30 min Scan# 382
 Delta R.T. -0.01 min
 Lab File: VF062378.D
 Acq: 8 May 2019 15:40

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	0.0	0.0
70	0.0	8.2	12.2#





#38

Carbon Tetrachloride

Concen: Below Cal

RT: 4.17 min Scan# 369

Delta R.T. -0.02 min

Lab File: VF062378.D

Acq: 8 May 2019 15:40

Instrument :

MSVOA_F

ClientSampleId :

NB-08-050319-B

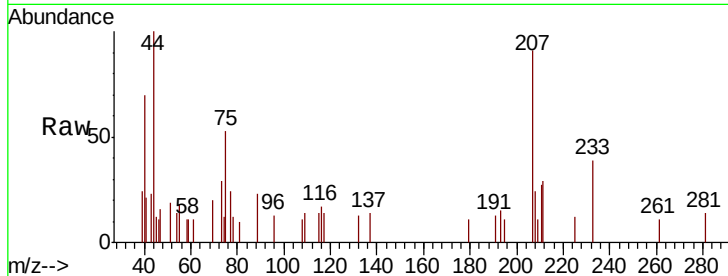
Tgt Ion: 117 Resp: 82

Ion Ratio Lower Upper

117 100

119 0.0 73.4 110.2#

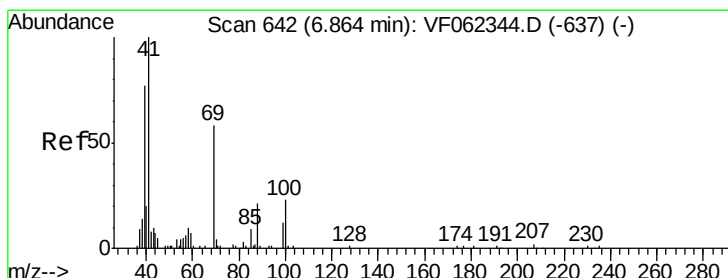
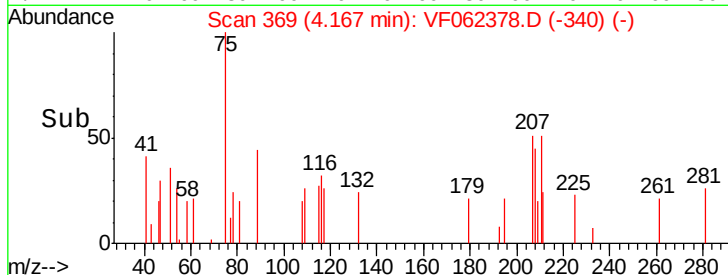
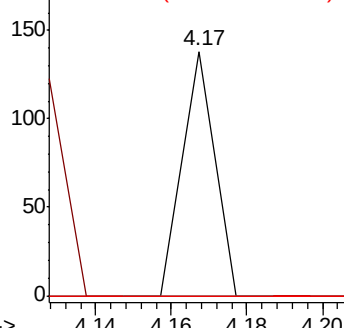
121 0.0 27.4 41.0#



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



#49

1,4-Dioxane

Concen: Below Cal

RT: 6.85 min Scan# 641

Delta R.T. -0.02 min

Lab File: VF062378.D

Acq: 8 May 2019 15:40

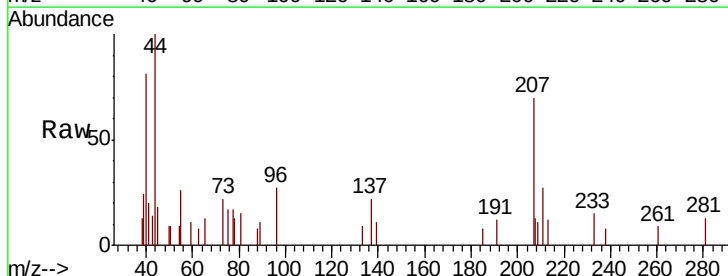
Tgt Ion: 88 Resp: 121

Ion Ratio Lower Upper

88 100

43 0.0 55.6 83.4#

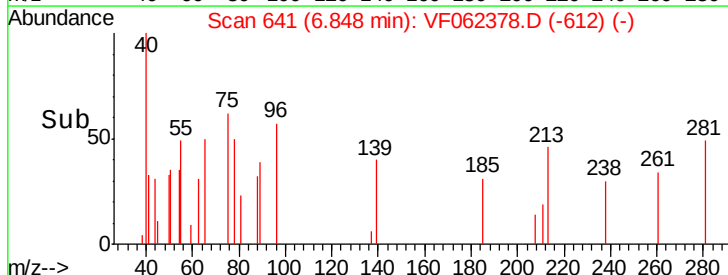
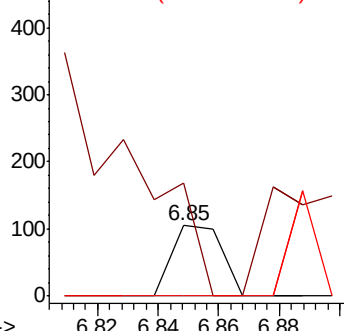
58 0.0 52.8 79.2#

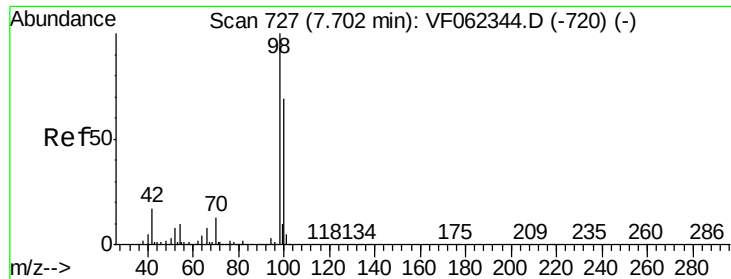


Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#50

Toluene-d8

Concen: 38.558 ug/l

RT: 7.70 min Scan# 727

Delta R.T. -0.01 min

Lab File: VF062378.D

Acq: 8 May 2019 15:40

Instrument :

MSVOA_F

ClientSampleId :

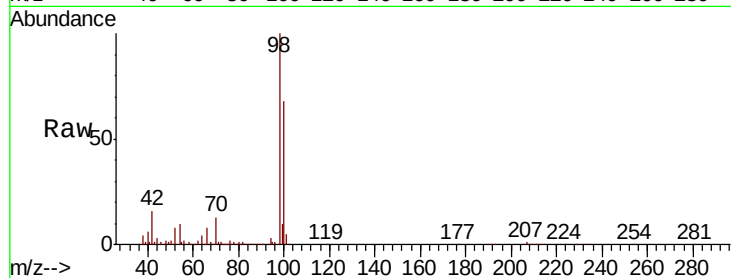
NB-08-050319-B

Tgt Ion: 98 Resp: 298334

Ion Ratio Lower Upper

98 100

100 66.8 53.3 79.9



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

7.70

150000

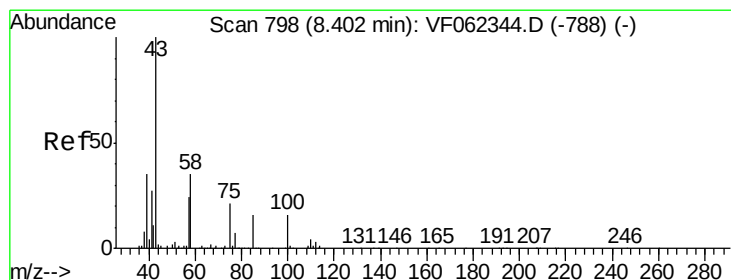
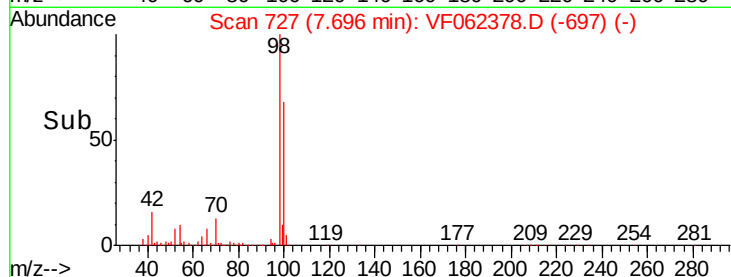
100000

50000

0

Time-->

7.60 7.70 7.80 7.90



#51

4-Methyl-2-Pentanone

Concen: 2.071 ug/l

RT: 8.39 min Scan# 797

Delta R.T. -0.02 min

Lab File: VF062378.D

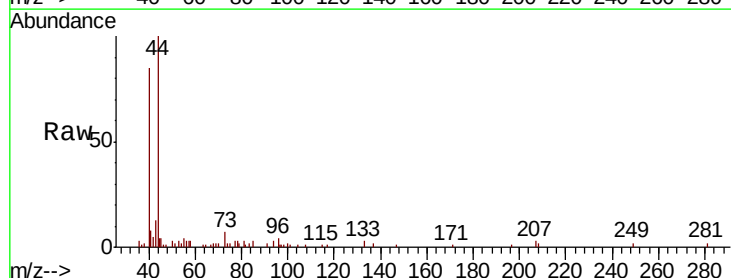
Acq: 8 May 2019 15:40

Tgt Ion: 43 Resp: 2460

Ion Ratio Lower Upper

43 100

58 16.3 27.8 41.6#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.39

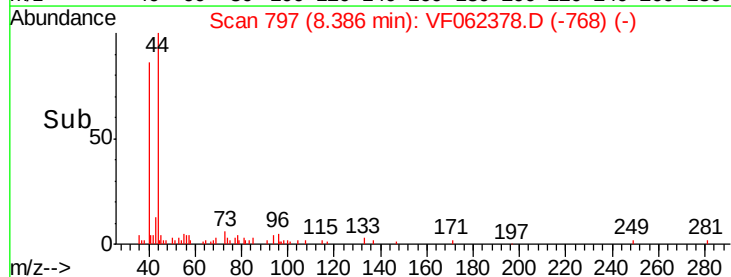
1000

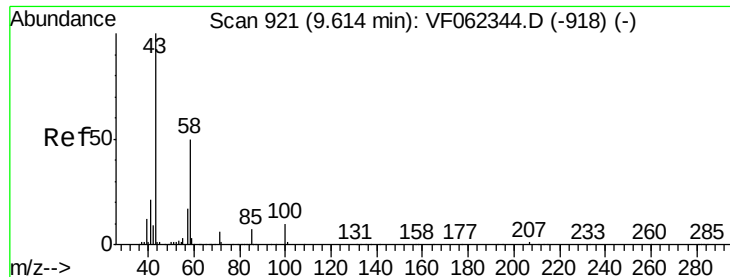
500

0

Time-->

8.30 8.35 8.40 8.45

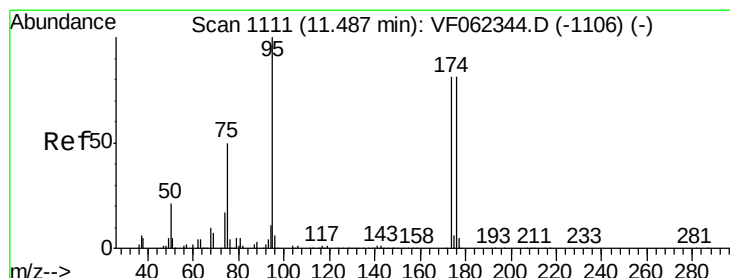
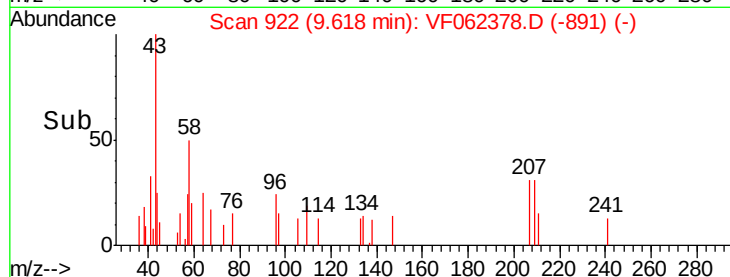
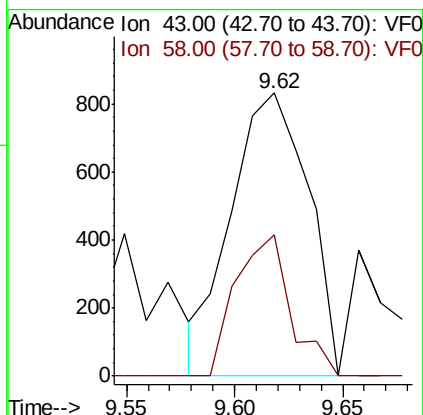
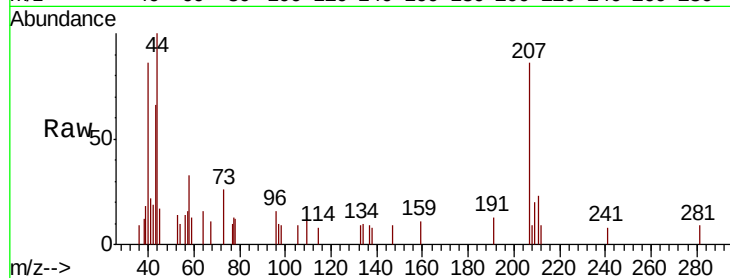




#59
2-Hexanone
Concen: 2.506 ug/l
RT: 9.62 min Scan# 922
Delta R.T. 0.00 min
Lab File: VF062378.D
Acq: 8 May 2019 15:40

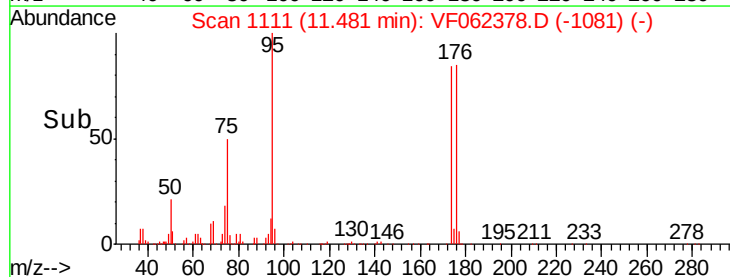
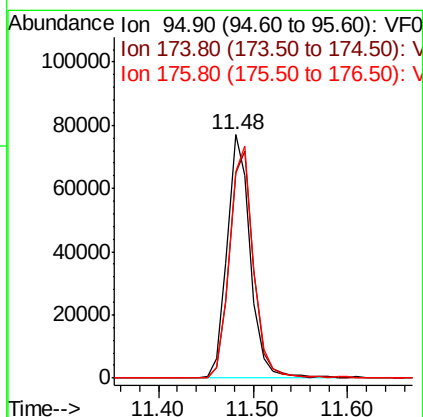
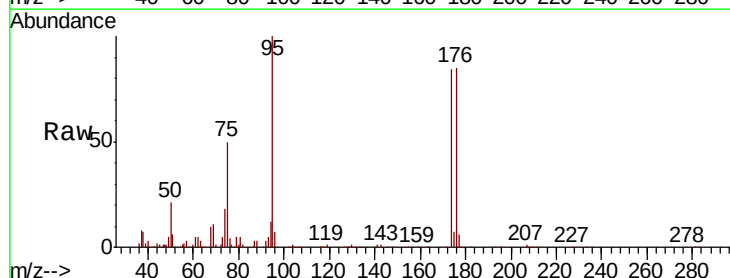
Instrument :
MSVOA_F
ClientSampleId :
NB-08-050319-B

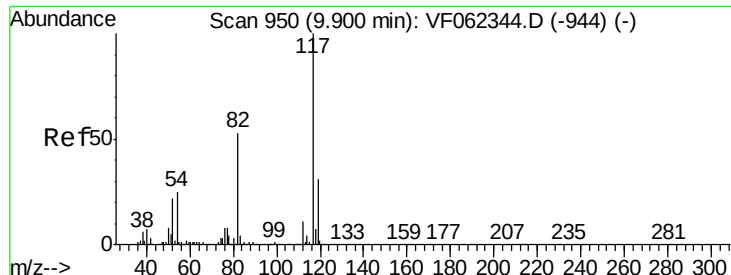
Tgt Ion: 43 Resp: 2059
Ion Ratio Lower Upper
43 100
58 35.6 24.3 73.0



#62
4-Bromofluorobenzene
Concen: 37.465 ug/l
RT: 11.48 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VF062378.D
Acq: 8 May 2019 15:40

Tgt Ion: 95 Resp: 130785
Ion Ratio Lower Upper
95 100
174 97.0 0.0 191.8
176 98.1 0.0 193.2

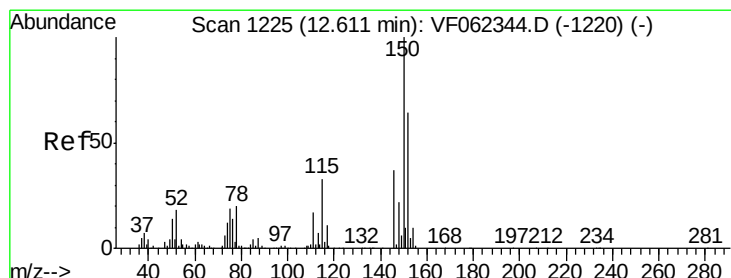
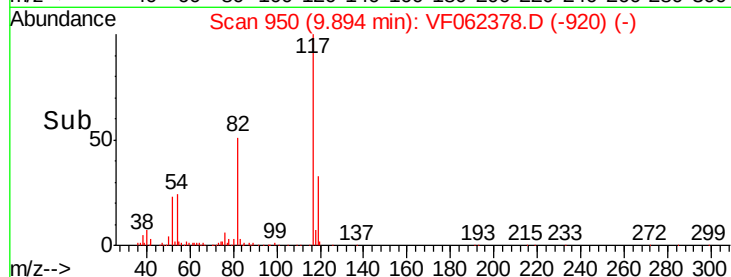
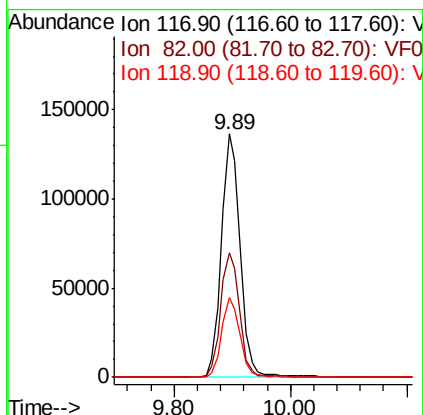
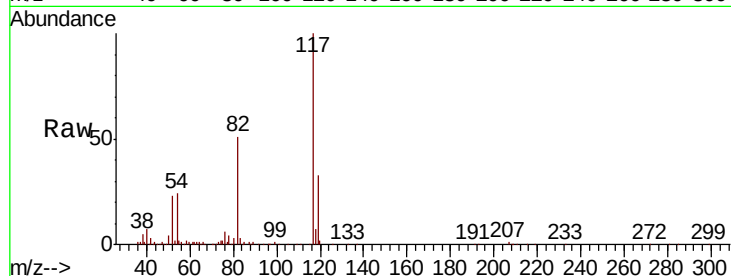




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.89 min Scan# 950
Delta R.T. -0.01 min
Lab File: VF062378.D
Acq: 8 May 2019 15:40

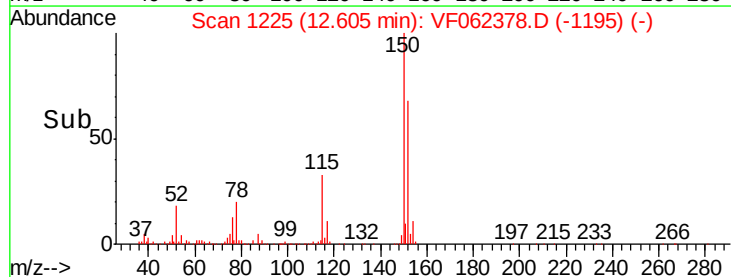
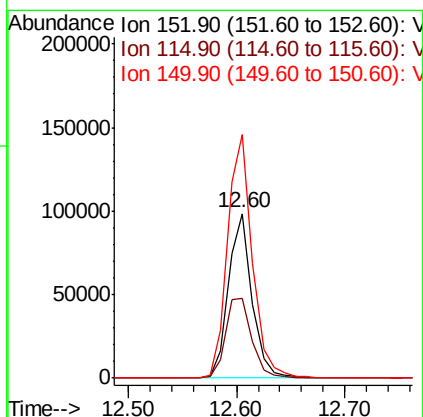
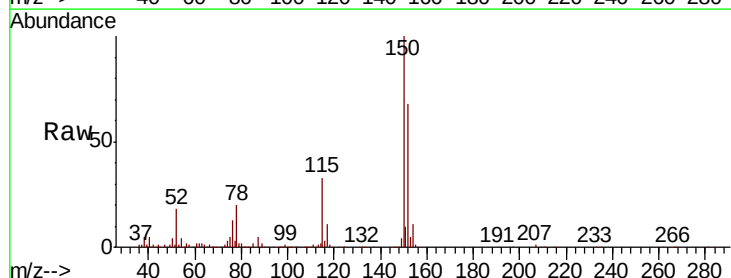
Instrument :
MSVOA_F
ClientSampleId :
NB-08-050319-B

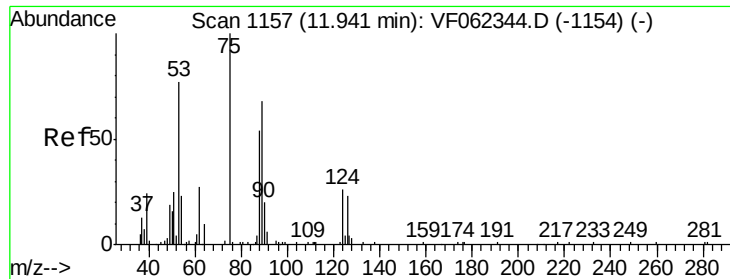
Tgt Ion	Ratio	Lower	Upper
117	100		
82	51.3	42.2	63.2
119	32.9	25.0	37.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.60 min Scan# 1225
Delta R.T. -0.01 min
Lab File: VF062378.D
Acq: 8 May 2019 15:40

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.9	26.4	79.2
150	154.6	0.0	335.0





#81

trans-1,4-Dichloro-2-butene

Concen: 1.302 ug/l

RT: 11.93 min Scan# 1157

Delta R.T. -0.01 min

Lab File: VF062378.D

Acq: 8 May 2019 15:40

Instrument :

MSVOA_F

ClientSampleId :

NB-08-050319-B

Tgt Ion: 75 Resp: 521

Ion Ratio Lower Upper

75 100

53 32.2 71.9 107.9#

89 0.0 0.0 0.0

