

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF050719\
 Data File : VF062365.D
 Acq On : 7 May 2019 18:49
 Operator : FY/SY
 Sample : K2639-01
 Misc : 5.85g/5mL/MSVOA F/SOIL
 ALS Vial : 19 Sample Multiplier: 1

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

Quant Time: May 08 01:15:20 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

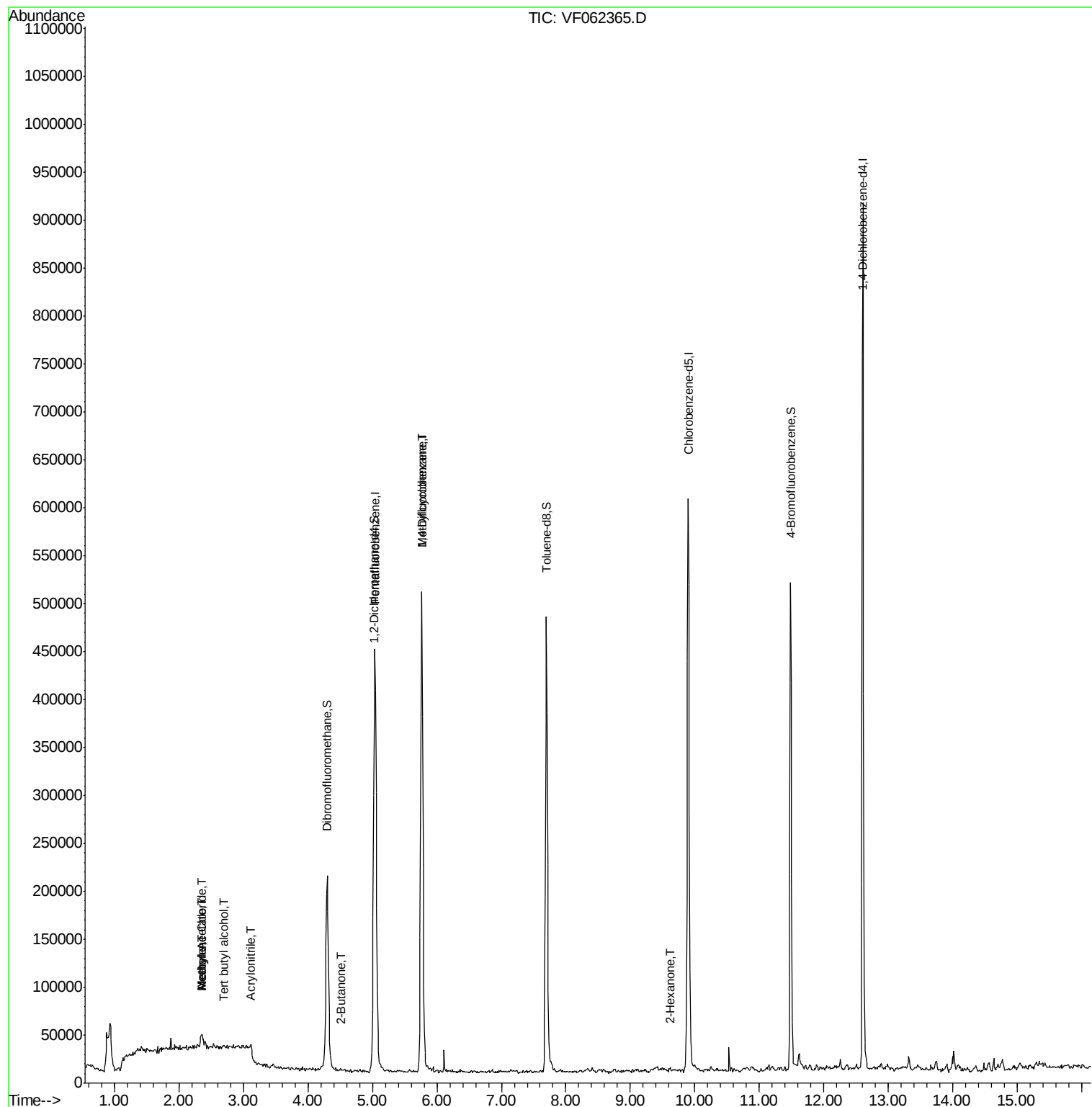
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	395090	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	575672	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	443554	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.61	152	249210	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.02	65	130312	34.90	ug/l	0.00
Spiked Amount 50.000			Recovery	=	69.80%	
35) Dibromofluoromethane	4.30	113	182820	39.86	ug/l	0.00
Spiked Amount 50.000			Recovery	=	79.72%	
50) Toluene-d8	7.70	98	400862	36.11	ug/l	0.00
Spiked Amount 50.000			Recovery	=	72.22%	
62) 4-Bromofluorobenzene	11.48	95	176980	35.33	ug/l	0.00
Spiked Amount 50.000			Recovery	=	70.66%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.40	94	784	Below Cal	#	3
11) Tert butyl alcohol	2.69	59	1243	5.890	ug/l #	68
13) Acrolein	2.12	56	856	Below Cal	#	13
15) Acrylonitrile	3.11	53	626	1.566	ug/l #	1
16) Acetone	2.36	43	22999	30.450	ug/l	94
18) Methyl Acetate	2.36	43	22999	14.471	ug/l #	67
20) Methylene Chloride	2.34	84	3453	1.264	ug/l #	72
25) 2-Butanone	4.50	43	1902	2.004	ug/l #	60
37) Ethyl Acetate	4.30	43	839	Below Cal	#	96
38) Carbon Tetrachloride	4.09	117	189	Below Cal	#	14
39) Methylcyclohexane	5.77	83	7517	1.516	ug/l #	39
49) 1,4-Dioxane	6.86	88	79	Below Cal	#	16
59) 2-Hexanone	9.62	43	2965	2.515	ug/l	80

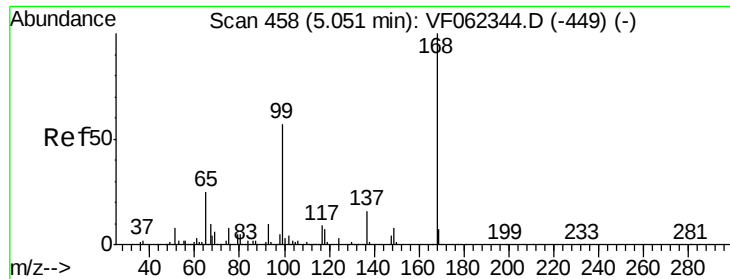
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF050719\
Data File : VF062365.D
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QLast Update : Tue May 07 04:34:57 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.05 min Scan# 458

Delta R.T. -0.00 min

Lab File: VF062365.D

Acq: 7 May 2019 18:49

Instrument :

MSVOA_F

ClientSampleId :

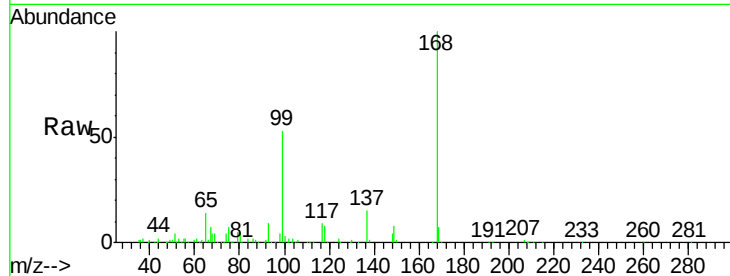
NB-08-050319-A

Tot Ion:168 Resp: 395090

Ion Ratio Lower Upper

168 100

99 53.4 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VF0

5.05

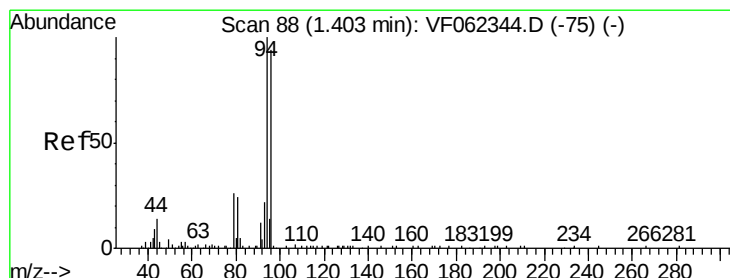
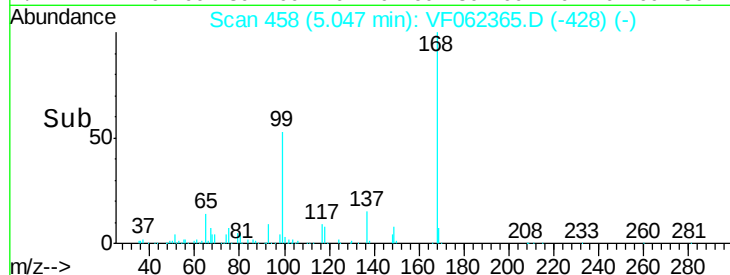
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.40 min Scan# 88

Delta R.T. -0.00 min

Lab File: VF062365.D

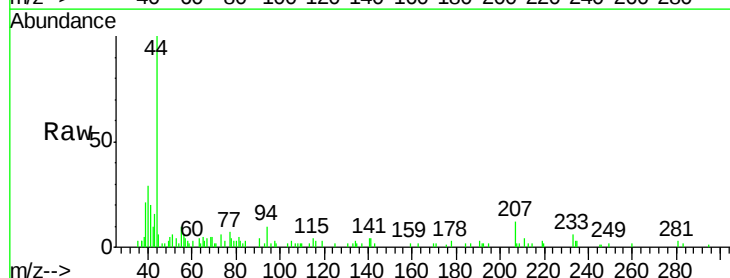
Acq: 7 May 2019 18:49

Tgt Ion: 94 Resp: 784

Ion Ratio Lower Upper

94 100

96 0.0 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

800

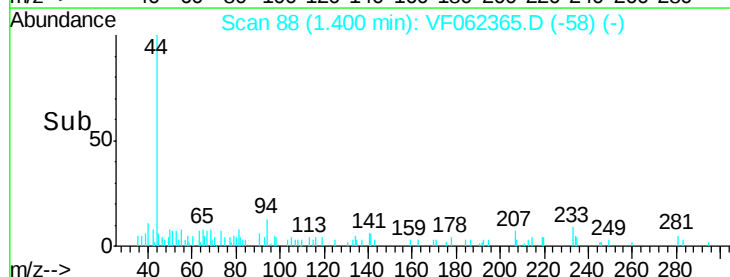
600

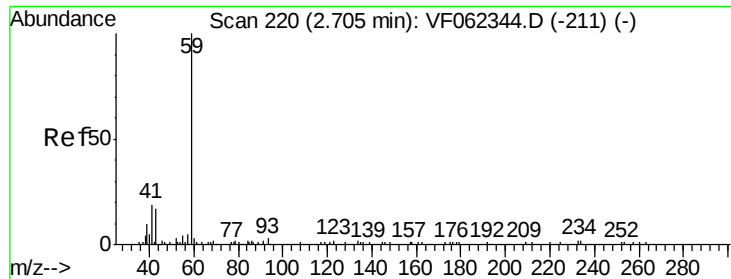
400

200

0

Time-->



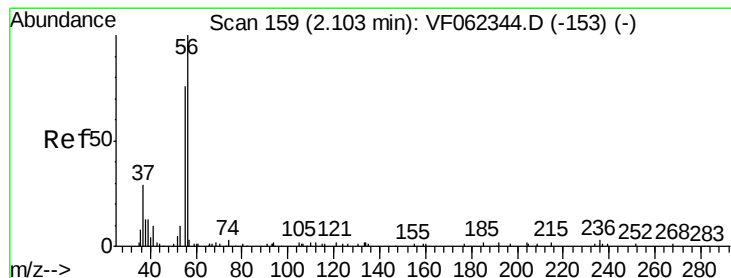
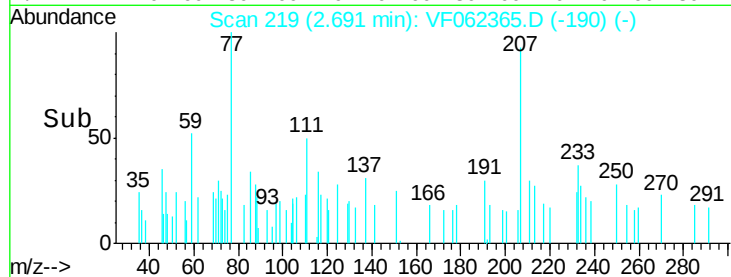
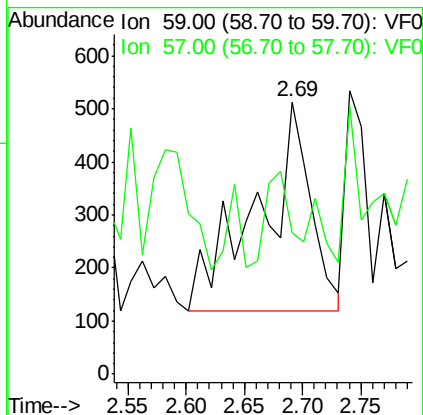
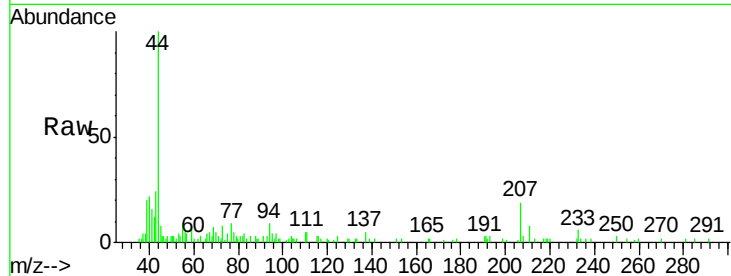


#11

Tert butyl alcohol
Concen: 5.890 ug/l
RT: 2.69 min Scan# 219
Delta R.T. -0.01 min
Lab File: VF062365.D
Acq: 7 May 2019 18:49

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

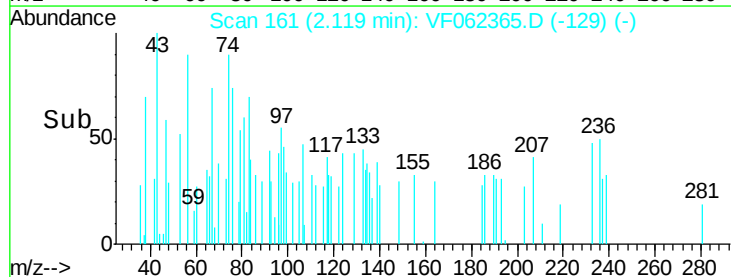
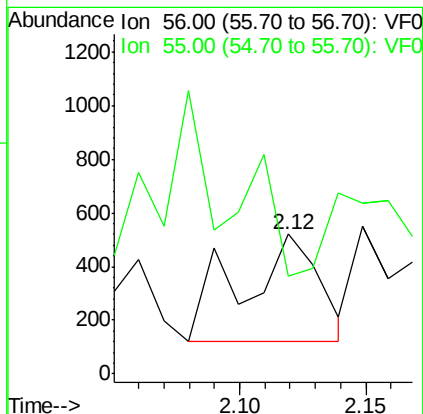
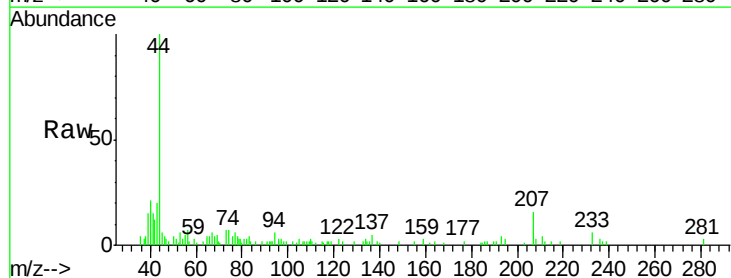
Tot Ion: 59 Resp: 1243
Ion Ratio Lower Upper
59 100
57 23.8 9.3 13.9#

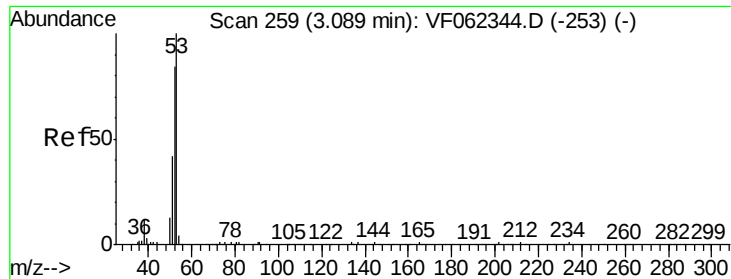


#13

Acrolein
Concen: Below Cal
RT: 2.12 min Scan# 161
Delta R.T. 0.02 min
Lab File: VF062365.D
Acq: 7 May 2019 18:49

Tgt Ion: 56 Resp: 856
Ion Ratio Lower Upper
56 100
55 0.0 58.4 87.6#

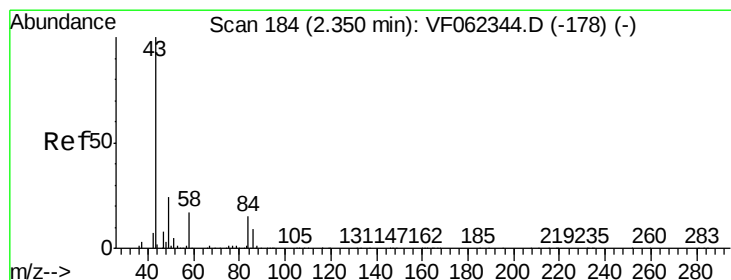
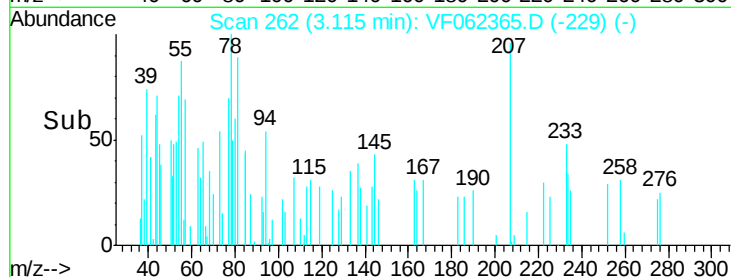
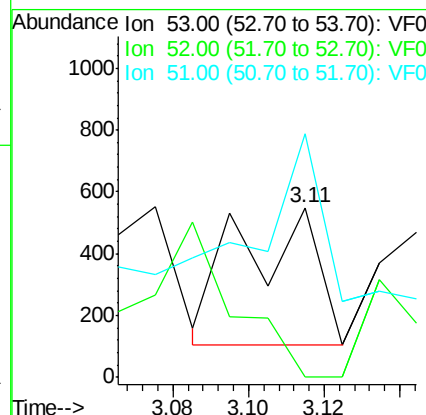
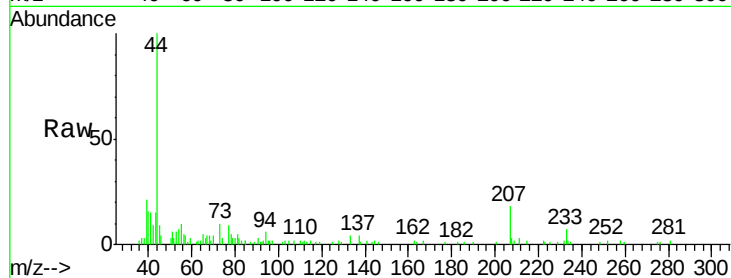




#15
Acrylonitrile
Concen: 1.566 ug/l
RT: 3.11 min Scan# 262
Delta R.T. 0.03 min
Lab File: VF062365.D
Acq: 7 May 2019 18:49

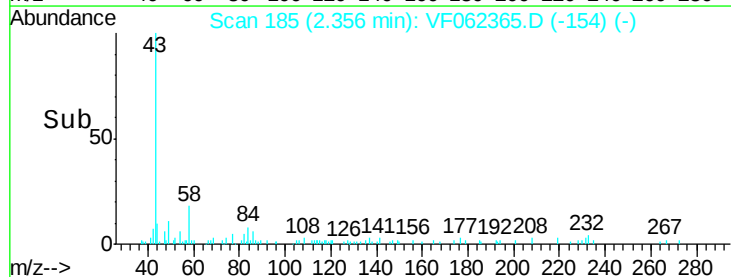
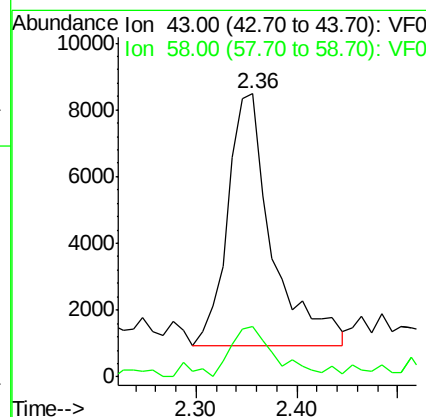
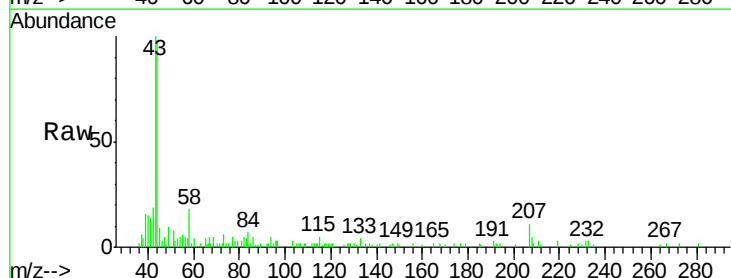
Instrument :
MSVOA_F
ClientSampleId :
NB-08-050319-A

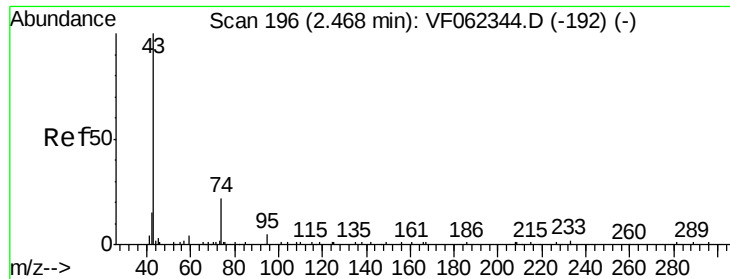
Tot Ion: 53 Resp: 626
Ion Ratio Lower Upper
53 100
52 0.0 77.2 115.8#
51 161.8 40.6 61.0#



#16
Acetone
Concen: 30.450 ug/l
RT: 2.36 min Scan# 185
Delta R.T. 0.01 min
Lab File: VF062365.D
Acq: 7 May 2019 18:49

Tgt Ion: 43 Resp: 22999
Ion Ratio Lower Upper
43 100
58 18.8 13.1 19.7

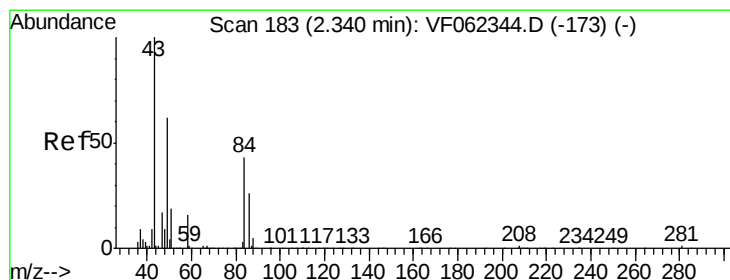
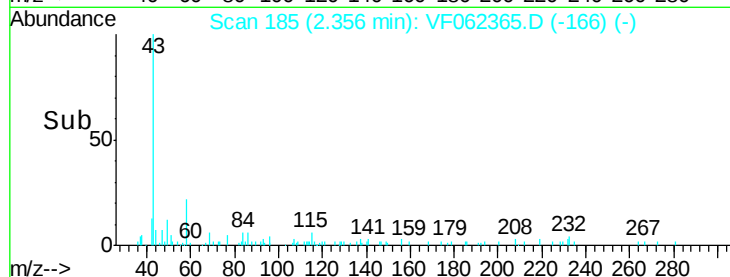
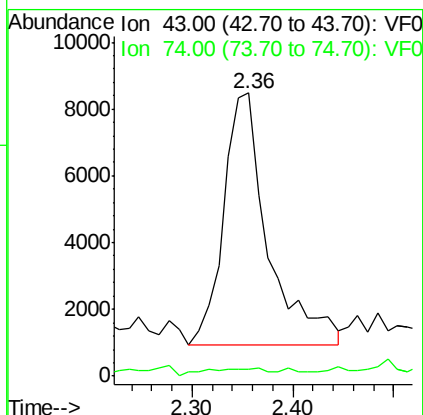
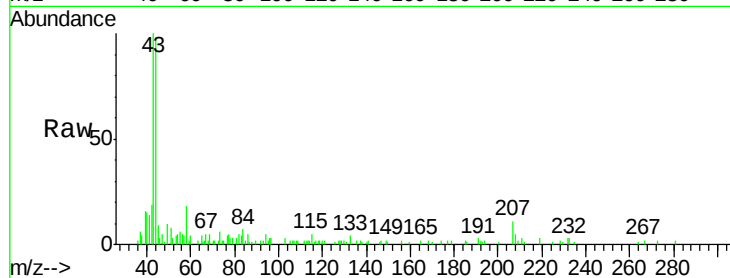




#18
Methyl Acetate
Concen: 14.471 ug/l
RT: 2.36 min Scan# 185
Delta R.T. -0.11 min
Lab File: VF062365.D
Acq: 7 May 2019 18:49

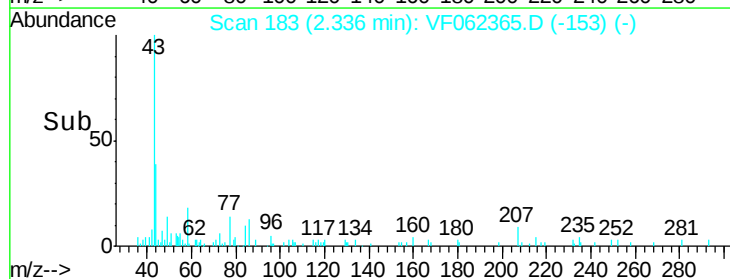
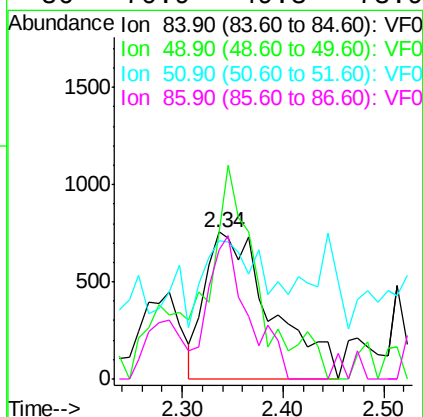
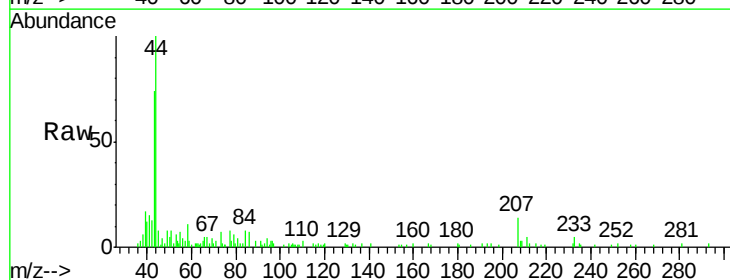
Instrument :
MSVOA_F
ClientSampleId :
NB-08-050319-A

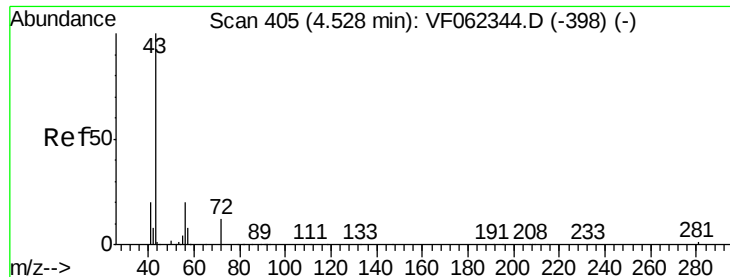
Tot Ion: 43 Resp: 22999
Ion Ratio Lower Upper
43 100
74 3.8 15.0 22.4#



#20
Methylene Chloride
Concen: 1.264 ug/l
RT: 2.34 min Scan# 183
Delta R.T. -0.00 min
Lab File: VF062365.D
Acq: 7 May 2019 18:49

Tgt Ion: 84 Resp: 3453
Ion Ratio Lower Upper
84 100
49 100.3 117.5 176.3#
51 59.2 37.0 55.4#
86 70.9 49.3 73.9





#25

2-Butanone

Concen: 2.004 ug/l

RT: 4.50 min Scan# 403

Delta R.T. -0.02 min

Lab File: VF062365.D

Acq: 7 May 2019 18:49

Instrument :

MSVOA_F

ClientSampleId :

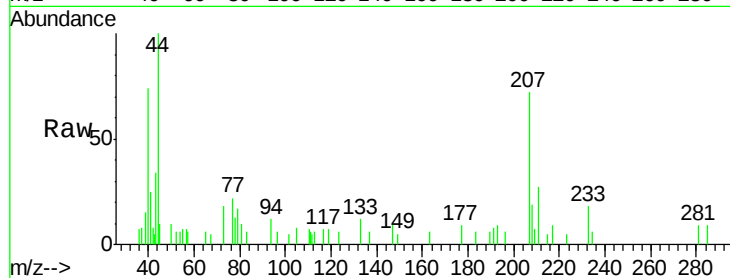
NB-08-050319-A

Tot Ion: 43 Resp: 1902

Ion Ratio Lower Upper

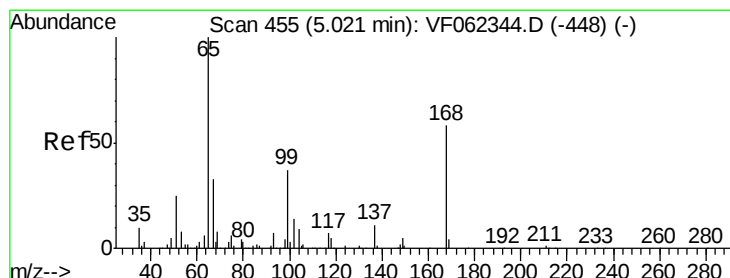
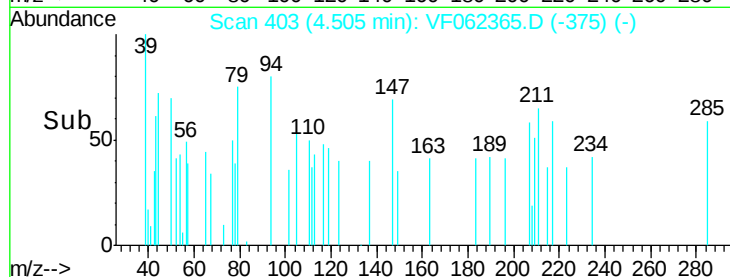
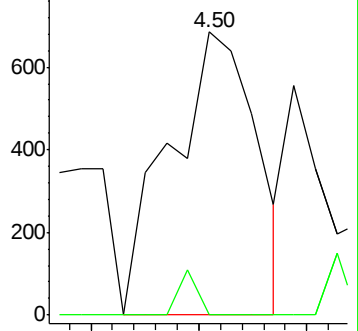
43 100

72 0.0 14.2 21.4#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#33

1,2-Dichloroethane-d4

Concen: 34.901 ug/l

RT: 5.02 min Scan# 455

Delta R.T. -0.00 min

Lab File: VF062365.D

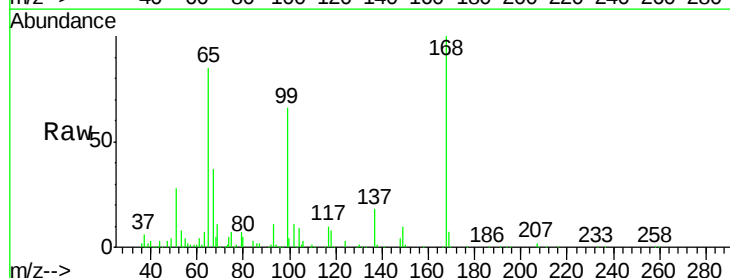
Acq: 7 May 2019 18:49

Tgt Ion: 65 Resp: 130312

Ion Ratio Lower Upper

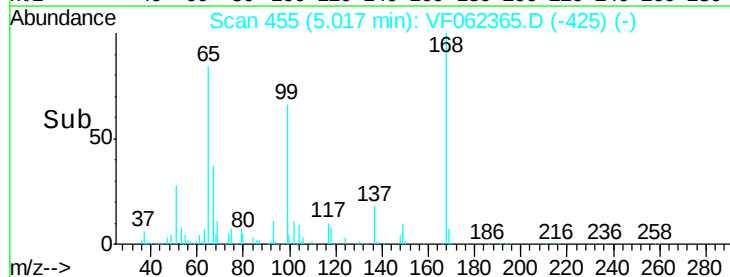
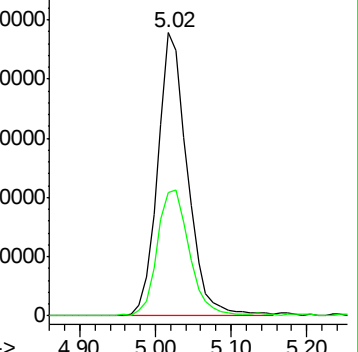
65 100

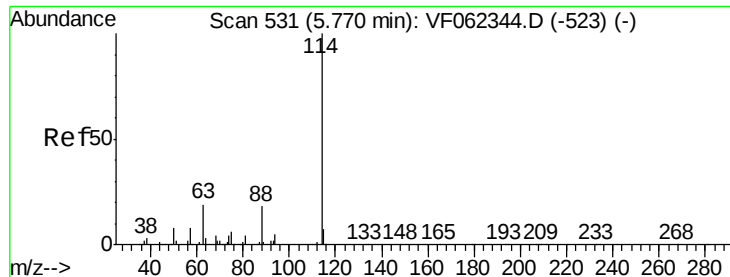
67 48.2 0.0 85.8



Abundance Ion 64.90 (64.60 to 65.60): VF0

Ion 66.90 (66.60 to 67.60): VF0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.77 min Scan# 531

Delta R.T. -0.00 min

Lab File: VF062365.D

Acq: 7 May 2019 18:49

Instrument :

MSVOA_F

ClientSampleId :

NB-08-050319-A

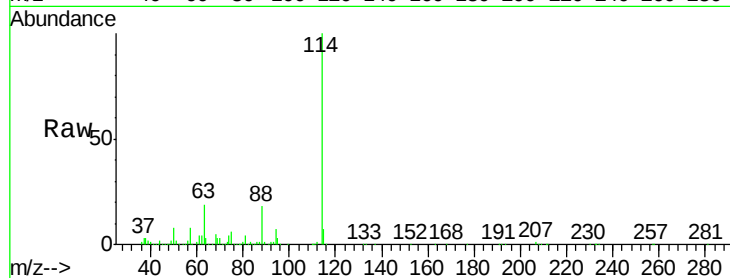
Tot Ion:114 Resp: 575672

Ion Ratio Lower Upper

114 100

63 19.0 0.0 37.4

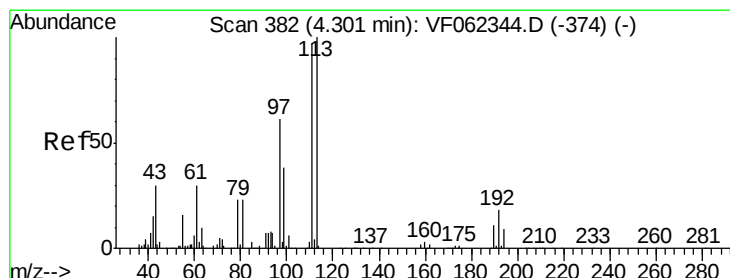
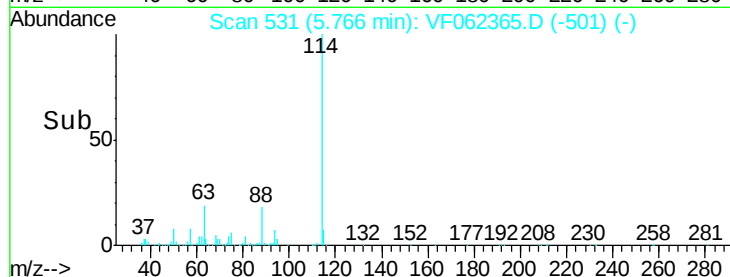
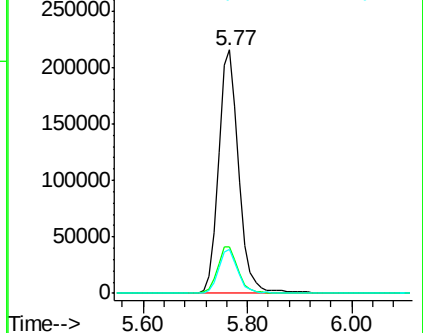
88 17.9 0.0 36.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 87.90 (87.60 to 88.60): VF0



#35

Dibromofluoromethane

Concen: 39.862 ug/l

RT: 4.30 min Scan# 382

Delta R.T. -0.00 min

Lab File: VF062365.D

Acq: 7 May 2019 18:49

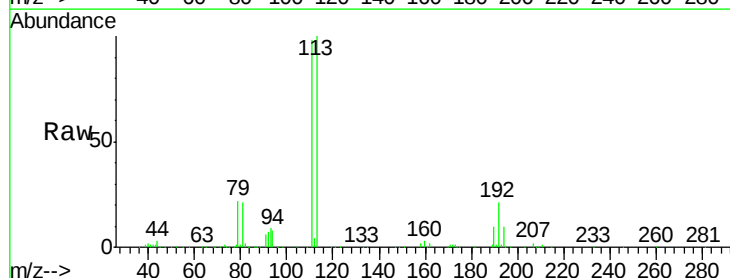
Tgt Ion:113 Resp: 182820

Ion Ratio Lower Upper

113 100

111 99.3 79.4 119.0

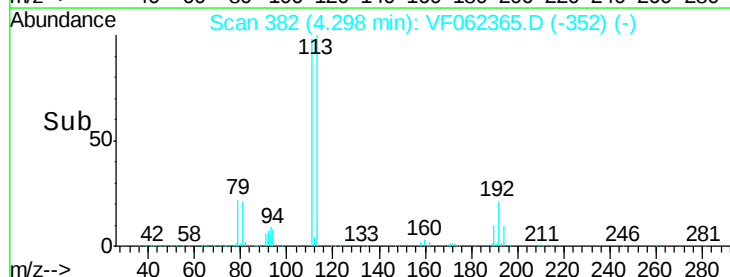
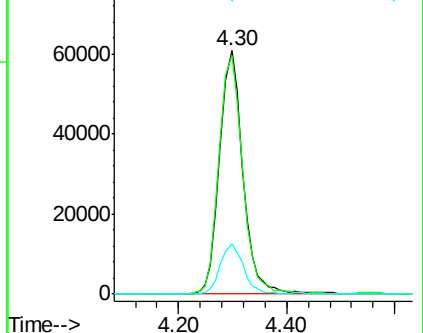
192 20.6 16.0 24.0

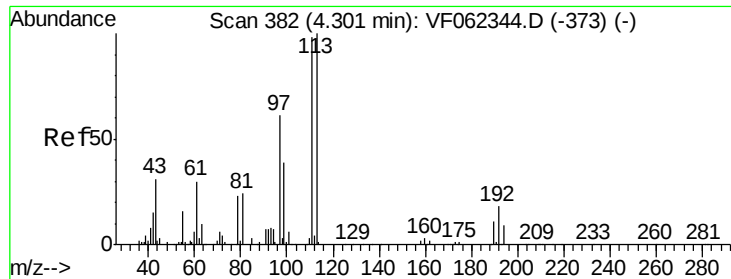


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

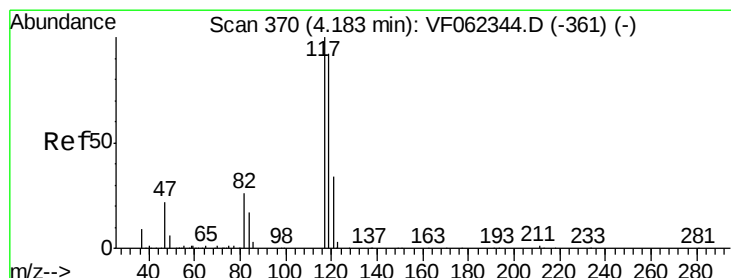
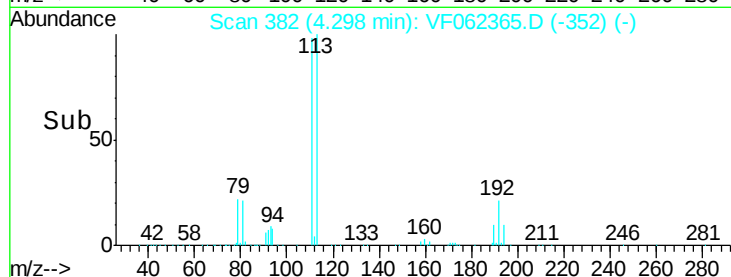
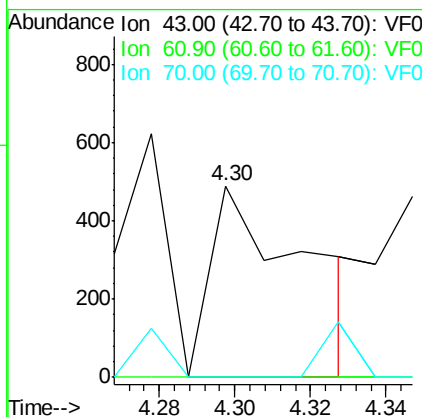
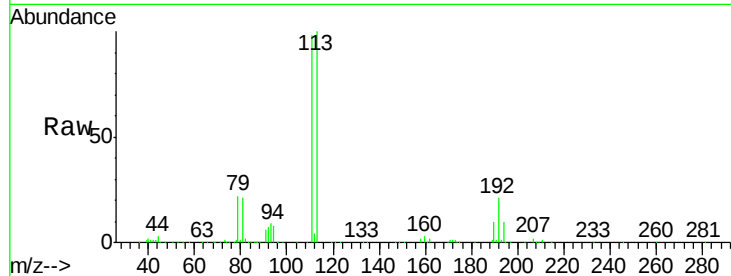




#37
Ethyl Acetate
Concen: Below Cal
RT: 4.30 min Scan# 382
Delta R.T. -0.00 min
Lab File: VF062365.D
Acq: 7 May 2019 18:49

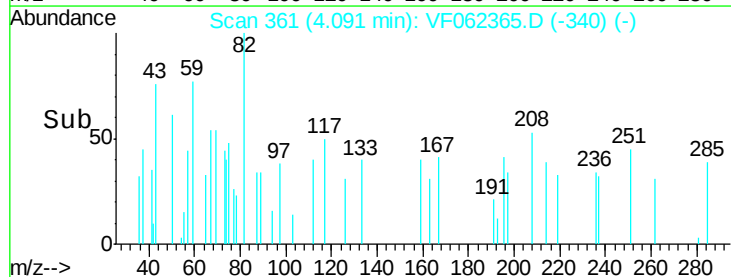
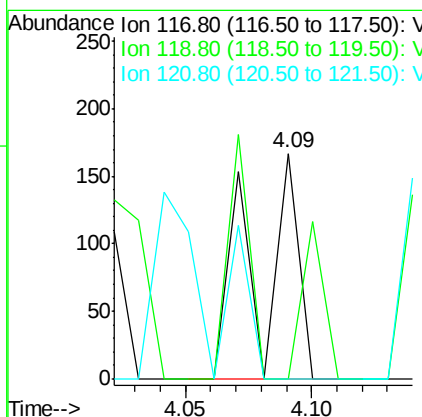
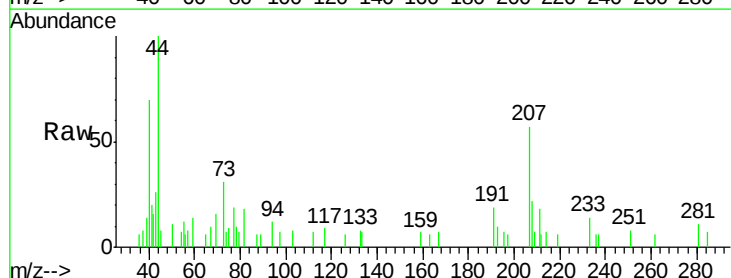
Instrument :
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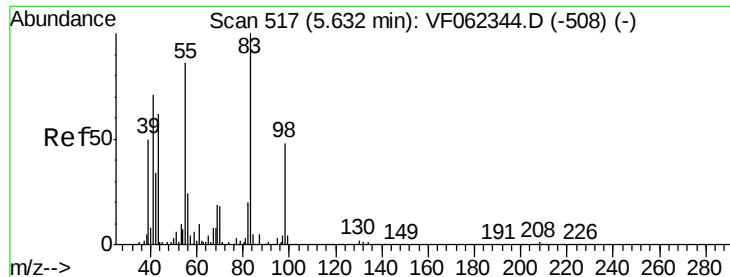
Tot Ion: 43 Resp: 839
Ion Ratio Lower Upper
43 100
61 0.0 0.0 0.0
70 8.8 8.2 12.2



#38
Carbon Tetrachloride
Concen: Below Cal
RT: 4.09 min Scan# 361
Delta R.T. -0.09 min
Lab File: VF062365.D
Acq: 7 May 2019 18:49

Tgt Ion: 117 Resp: 189
Ion Ratio Lower Upper
117 100
119 0.0 73.4 110.2#
121 0.0 27.4 41.0#

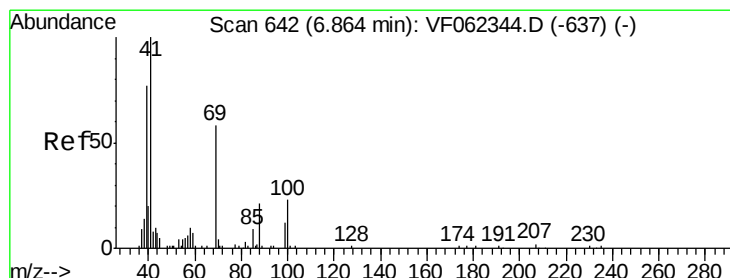
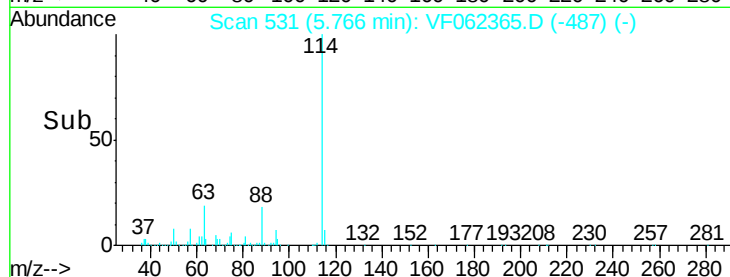
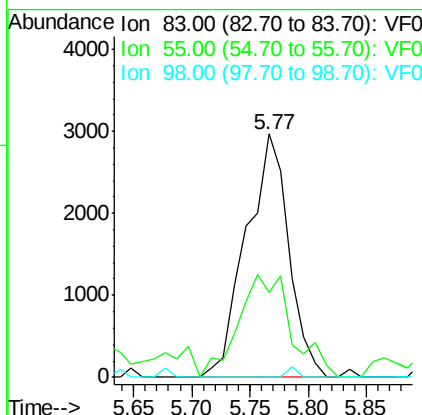
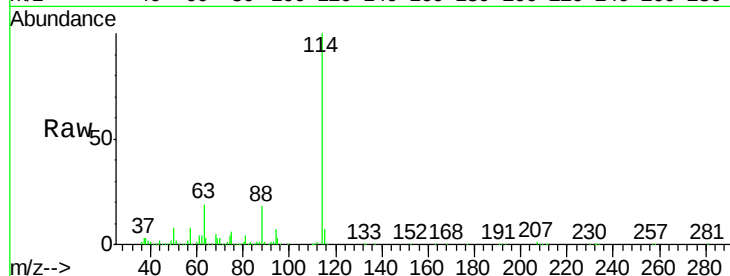




#39
Methvlcvclohexane
Concen: 1.516 ug/l
RT: 5.77 min Scan# 531
Delta R.T. 0.13 min
Lab File: VF062365.D
Acq: 7 May 2019 18:49

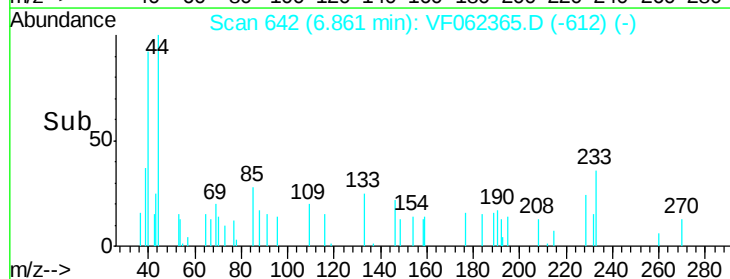
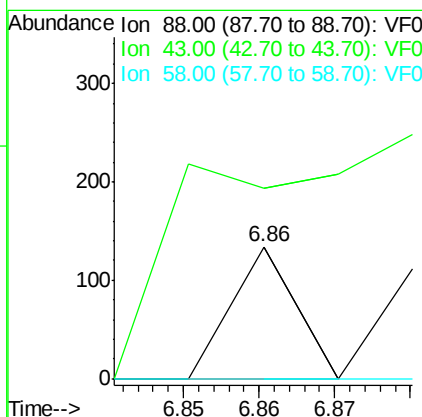
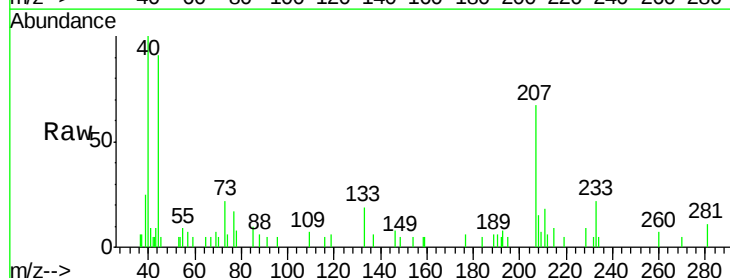
Instrument :
MSVOA_F
ClientSampleId :
NB-08-050319-A

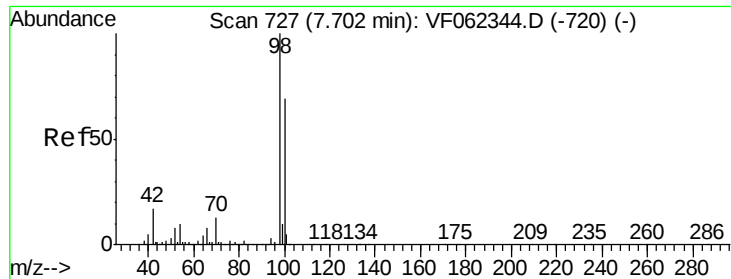
Tot Ion: 83 Resp: 7517
Ion Ratio Lower Upper
83 100
55 35.1 69.0 103.6#
98 0.0 38.6 58.0#



#49
1,4-Dioxane
Concen: Below Cal
RT: 6.86 min Scan# 642
Delta R.T. -0.00 min
Lab File: VF062365.D
Acq: 7 May 2019 18:49

Tgt Ion: 88 Resp: 79
Ion Ratio Lower Upper
88 100
43 0.0 55.6 83.4#
58 0.0 52.8 79.2#





#50

Toluene-d8

Concen: 36.108 ug/l

RT: 7.70 min Scan# 727

Delta R.T. -0.00 min

Lab File: VF062365.D

Acq: 7 May 2019 18:49

Instrument :

MSVOA_F

ClientSampleId :

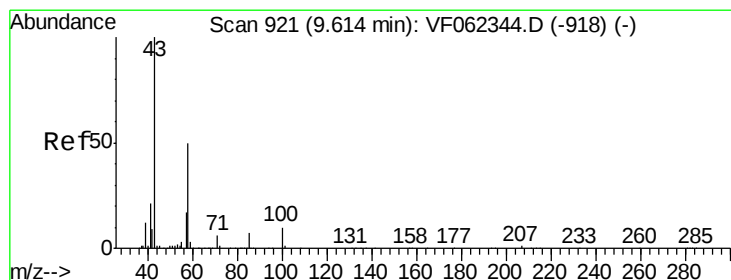
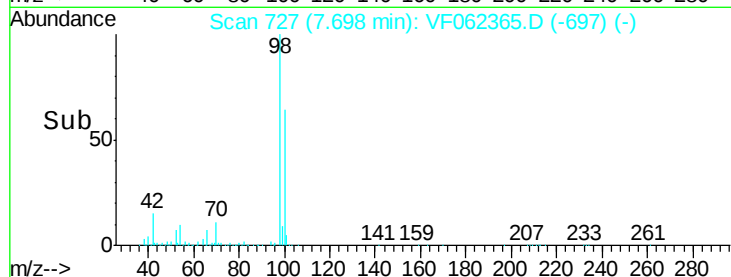
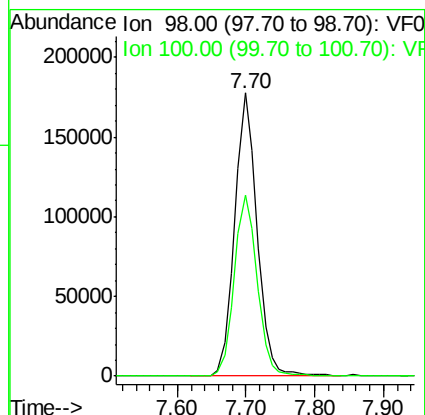
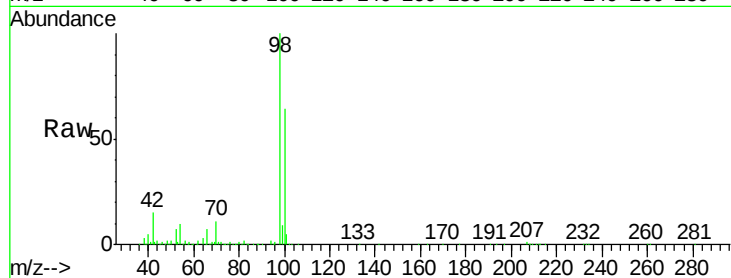
NB-08-050319-A

Tot Ion: 98 Resp: 400862

Ion Ratio Lower Upper

98 100

100 65.5 53.3 79.9



#59

2-Hexanone

Concen: 2.515 ug/l

RT: 9.62 min Scan# 922

Delta R.T. 0.01 min

Lab File: VF062365.D

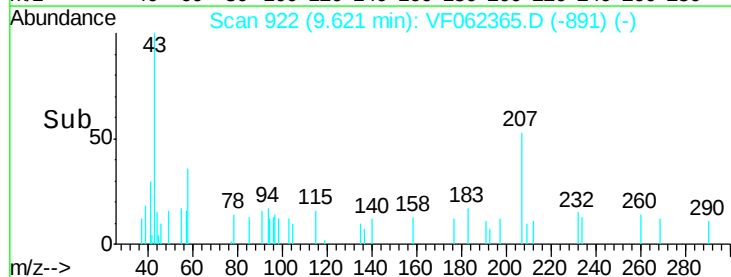
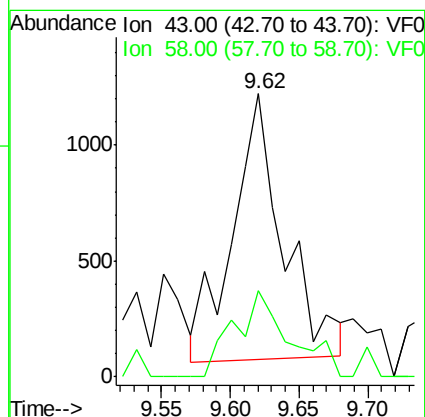
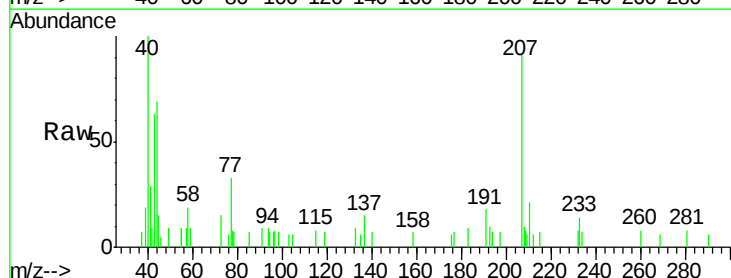
Acq: 7 May 2019 18:49

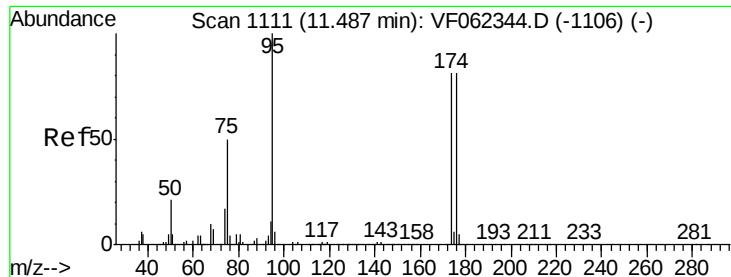
Tgt Ion: 43 Resp: 2965

Ion Ratio Lower Upper

43 100

58 35.2 24.3 73.0





#62

4-Bromofluorobenzene

Concen: 35.334 ug/l

RT: 11.48 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VF062365.D

Acq: 7 May 2019 18:49

Instrument :

MSVOA_F

ClientSampleId :

NB-08-050319-A

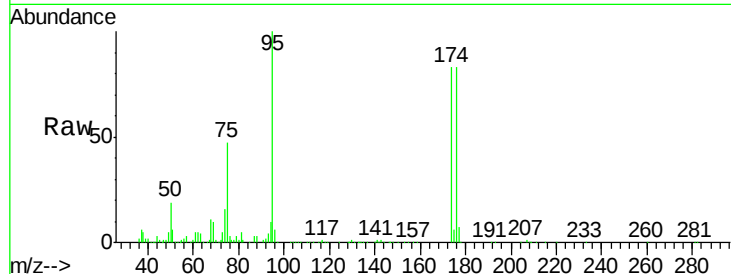
Tot Ion: 95 Resp: 176980

Ion Ratio Lower Upper

95 100

174 86.3 0.0 191.8

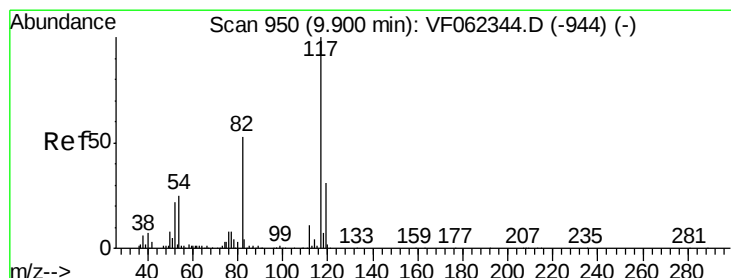
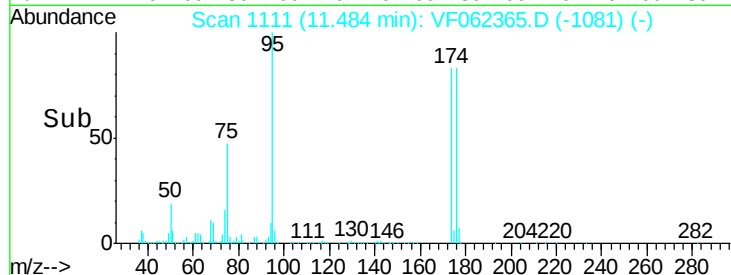
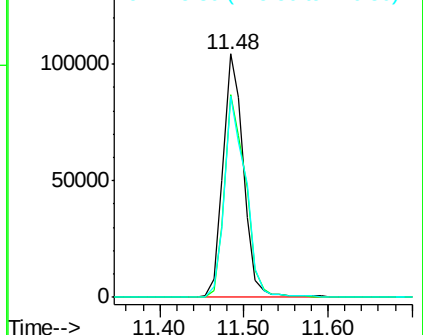
176 86.1 0.0 193.2



Abundance Ion 94.90 (94.60 to 95.60): VF0

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: 9.90 min Scan# 950

Delta R.T. -0.00 min

Lab File: VF062365.D

Acq: 7 May 2019 18:49

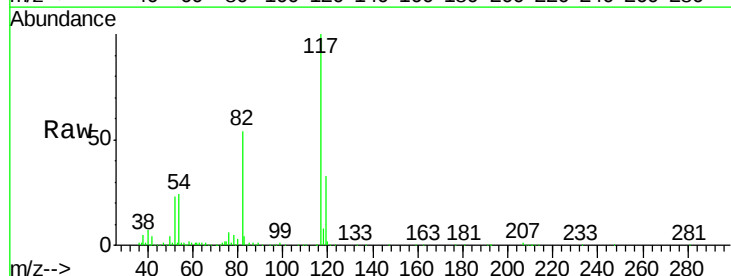
Tgt Ion: 117 Resp: 443554

Ion Ratio Lower Upper

117 100

82 53.7 42.2 63.2

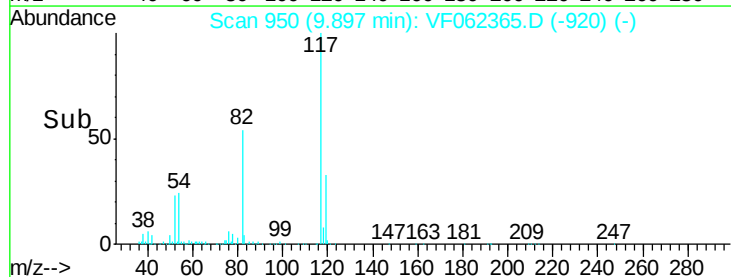
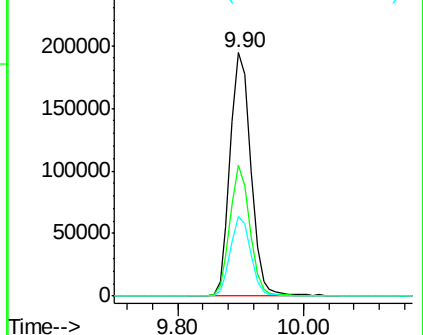
119 32.6 25.0 37.4

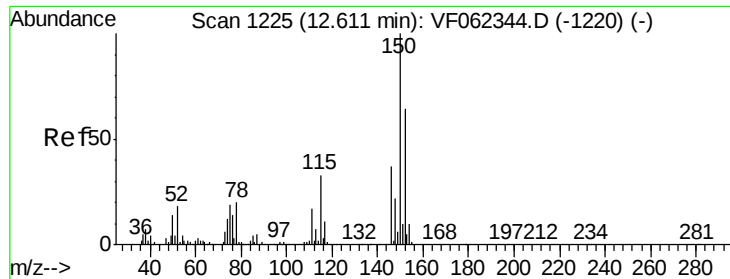


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.61 min Scan# 1225

Delta R.T. -0.00 min

Lab File: VF062365.D

Acq: 7 May 2019 18:49

Instrument :

MSVOA_F

ClientSampleId :

NB-08-050319-A

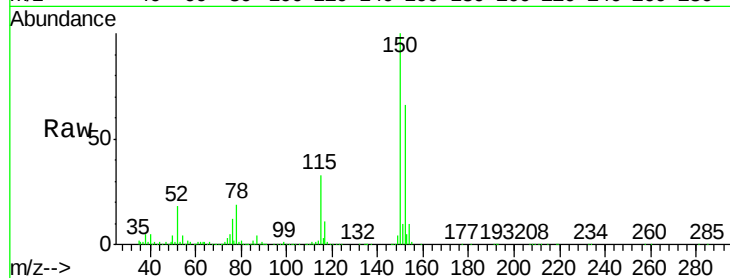
Tot Ion:152 Resp: 249210

Ion Ratio Lower Upper

152 100

115 52.4 26.4 79.2

150 152.1 0.0 335.0



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

