

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF022119\
 Data File : VF061700.D
 Acq On : 21 Feb 2019 16:10
 Operator : VA/AP
 Sample : K1344-07
 Misc : 9.02g/5mL/MSVOA-F/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 NB-07-022019-B

Quant Time: Feb 22 03:29:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F021319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 14 03:27:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	8380	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.61	114	11668	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.78	117	5798	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	857	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.84	65	1286	20.93	ug/l	-0.01
Spiked Amount			Recovery	=	41.86%	
35) Dibromofluoromethane	4.12	113	2629	30.34	ug/l	0.00
Spiked Amount			Recovery	=	60.68%	
50) Toluene-d8	7.57	98	7994	32.09	ug/l	0.00
Spiked Amount			Recovery	=	64.18%	
62) 4-Bromofluorobenzene	11.41	95	1603	15.91	ug/l	0.00
Spiked Amount			Recovery	=	31.82%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.14	50	327	3.239	ug/l #	42
5) Bromomethane	1.31	94	322	4.984	ug/l #	3
6) Chloroethane	1.39	64	65	1.405	ug/l #	1
8) Diethyl Ether	1.61	74	64	2.243	ug/l	97
11) Tert butyl alcohol	2.61	59	60	16.871	ug/l #	1
12) 1,1-Dichloroethene	1.74	96	231	3.217	ug/l #	1
13) Acrolein	2.03	56	319	71.368	ug/l #	54
14) Allyl chloride	2.09	41	296	3.359	ug/l #	77
15) Acrylonitrile	2.93	53	105	8.324	ug/l #	17
16) Acetone	2.24	43	868	65.833	ug/l	98
18) Methyl Acetate	2.33	43	301	10.134	ug/l #	59
20) Methylene Chloride	2.19	84	660	7.183	ug/l #	53
21) trans-1,2-Dichloroethene	2.31	96	79	1.012	ug/l #	1
22) Diisopropyl ether	2.81	45	965	4.562	ug/l #	1
23) Vinyl Acetate	3.18	43	1170	11.325	ug/l #	74
25) 2-Butanone	4.35	43	227	7.882	ug/l #	55
26) 2,2-Dichloropropane	3.55	77	70	1.291	ug/l #	52
29) Tetrahydrofuran	4.08	42	244	18.641	ug/l #	33
31) Cyclohexane	3.68	56	241	1.739	ug/l #	16
37) Ethyl Acetate	4.14	43	214	3.986	ug/l #	30
41) Methacrylonitrile	4.75	41	416	15.152	ug/l #	51
43) Isopropyl Acetate	6.95	43	235	3.698	ug/l #	43
48) Methyl methacrylate	6.74	41	160	4.184	ug/l #	17
51) 4-Methyl-2-Pentanone	8.28	43	166	3.656	ug/l #	34
59) 2-Hexanone	9.50	43	70	2.199	ug/l #	23
74) N-amyl acetate	11.37	43	226	15.431	ug/l #	32
75) 1,1,2,2-Tetrachloroethane	11.62	83	66	6.038	ug/l #	26
78) n-propylbenzene	11.60	91	343	4.899	ug/l #	51
79) 2-Chlorotoluene	11.72	91	353	9.002	ug/l #	36
80) 1,3,5-Trimethylbenzene	11.82	105	289	5.926	ug/l	97
82) 4-Chlorotoluene	11.83	91	64	1.572	ug/l #	37
83) tert-Butylbenzene	12.21	119	78	1.444	ug/l #	33
84) 1,2,4-Trimethylbenzene	12.21	105	962	19.856	ug/l #	39
85) sec-Butylbenzene	12.31	105	243	3.479	ug/l #	54

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QLast Update : Thu Feb 14 03:27:56 2019
Response via : Initial Calibration

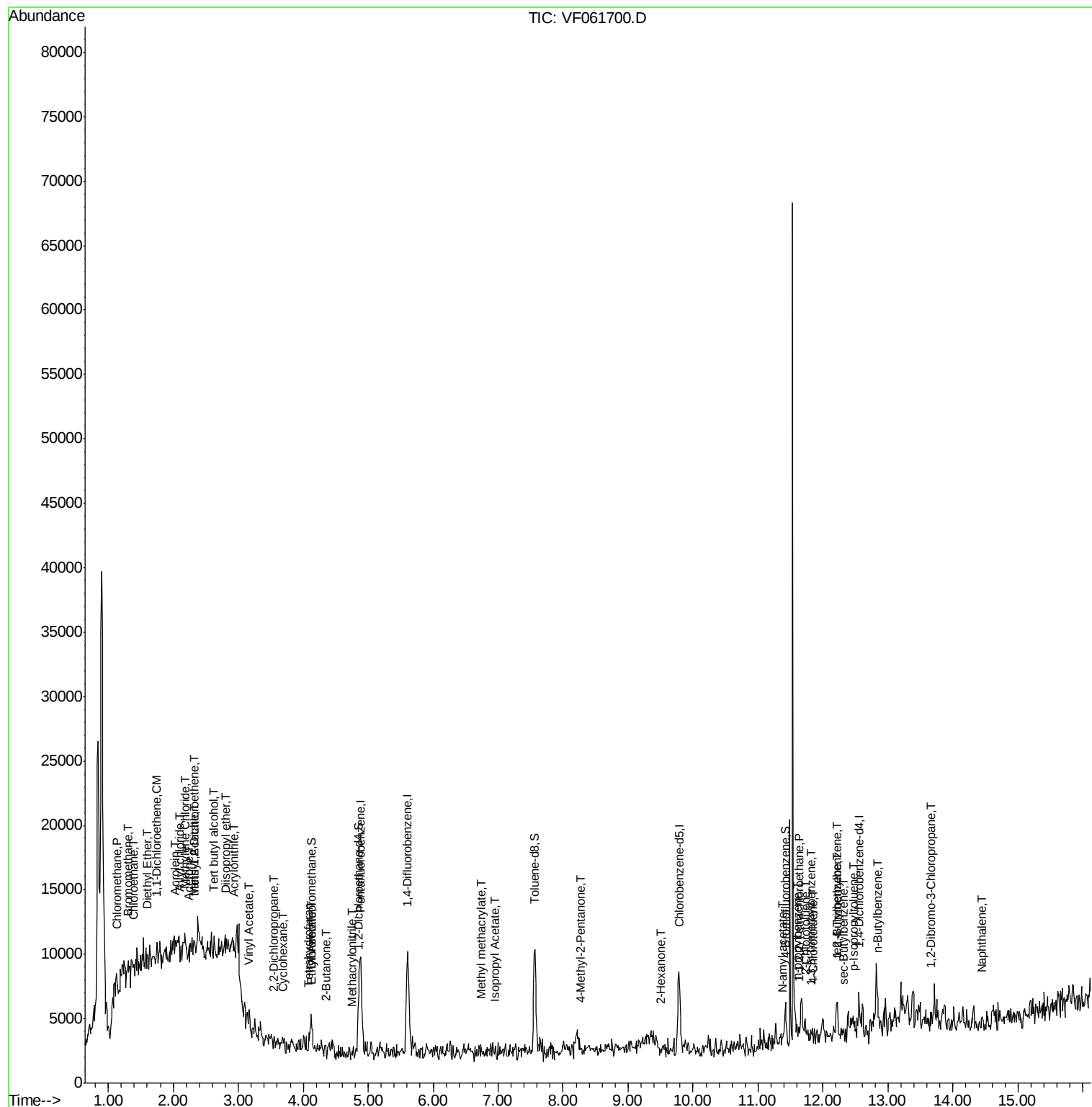
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
86) p-Isopropyltoluene	12.46	119	422	7.199	ug/l #	8
89) n-Butylbenzene	12.85	91	431	7.786	ug/l #	79
92) 1,2-Dibromo-3-Chloropropan	13.68	75	85	49.044	ug/l #	1
95) Naphthalene	14.46	128	73	2.083	ug/l #	69

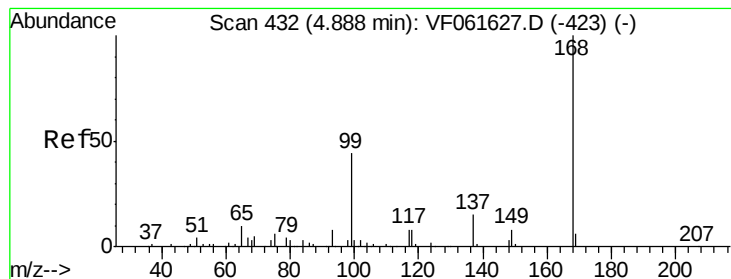
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 430

Delta R.T. -0.01 min

Lab File: VF061700.D

Acq: 21 Feb 2019 16:10

Instrument :

MSVOA_F

ClientSampleId :

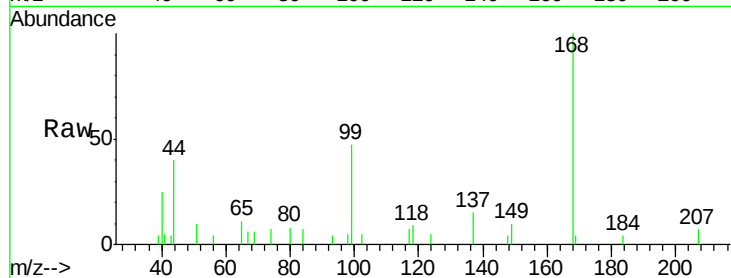
NB-07-022019-B

Tot Ion:168 Resp: 8380

Ion Ratio Lower Upper

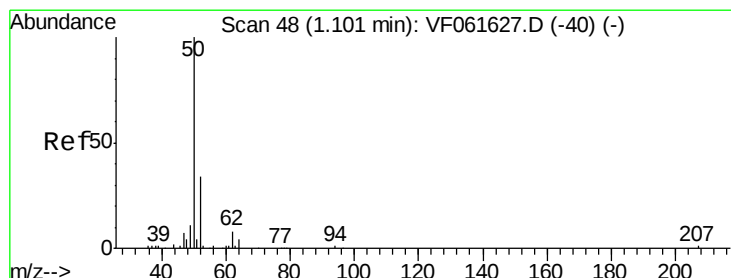
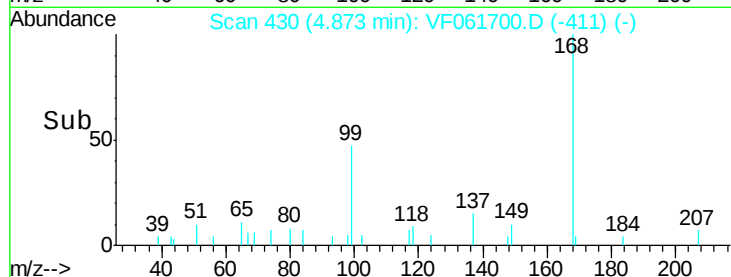
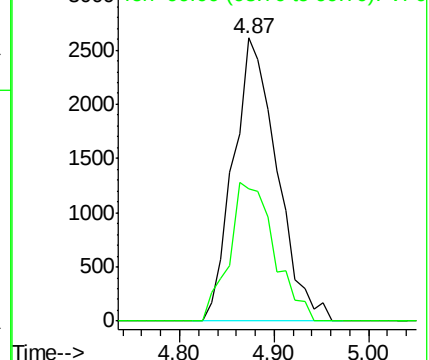
168 100

99 46.7 34.9 52.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#3

Chloromethane

Concen: 3.239 ug/l

RT: 1.14 min Scan# 51

Delta R.T. 0.03 min

Lab File: VF061700.D

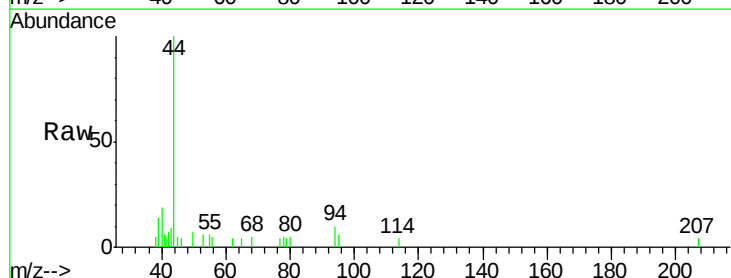
Acq: 21 Feb 2019 16:10

Tgt Ion: 50 Resp: 327

Ion Ratio Lower Upper

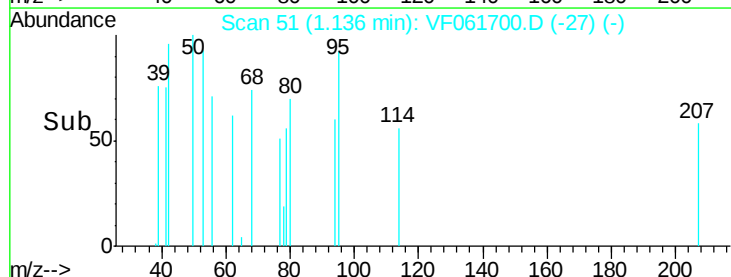
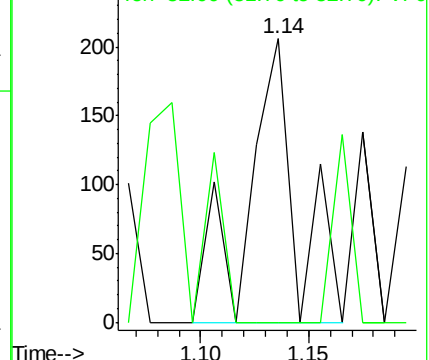
50 100

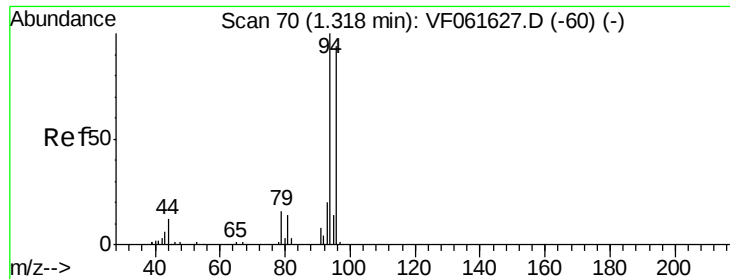
52 0.0 26.2 39.4#



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0





#5

Bromomethane

Concen: 4.984 ug/l

RT: 1.31 min Scan# 69

Delta R.T. -0.01 min

Lab File: VF061700.D

Acq: 21 Feb 2019 16:10

Instrument :

MSVOA_F

ClientSampleId :

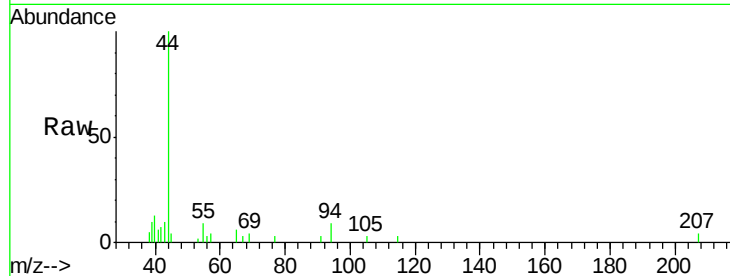
NB-07-022019-B

Tot Ion: 94 Resp: 322

Ion Ratio Lower Upper

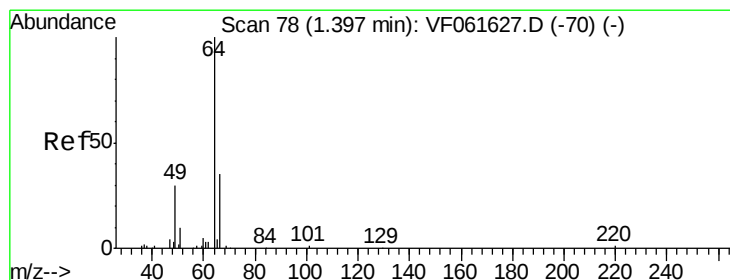
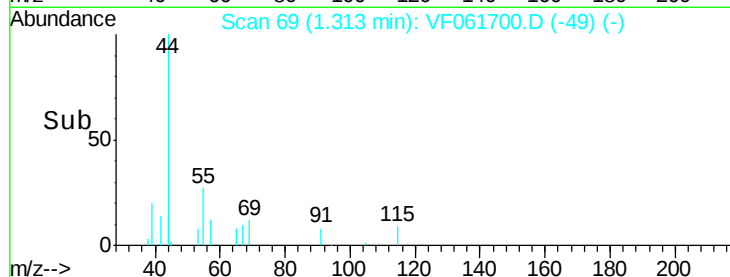
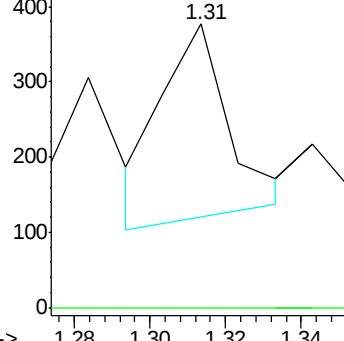
94 100

96 0.0 74.6 112.0#



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 1.405 ug/l

RT: 1.39 min Scan# 77

Delta R.T. -0.01 min

Lab File: VF061700.D

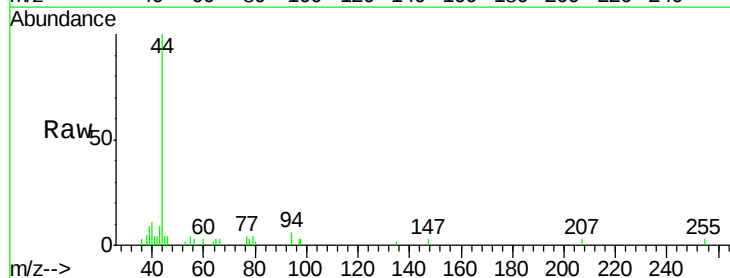
Acq: 21 Feb 2019 16:10

Tgt Ion: 64 Resp: 65

Ion Ratio Lower Upper

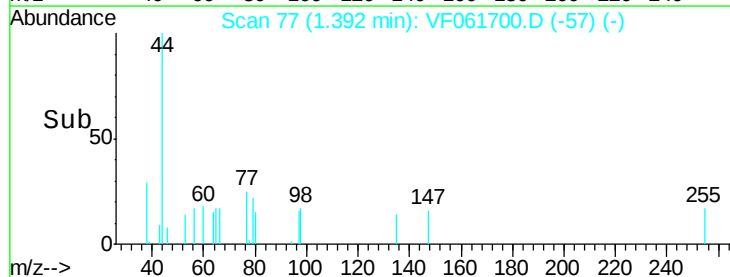
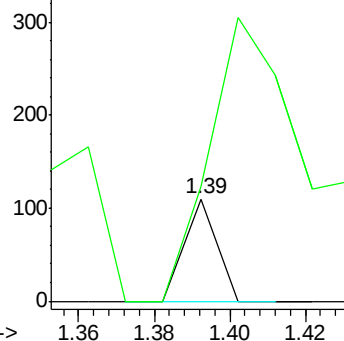
64 100

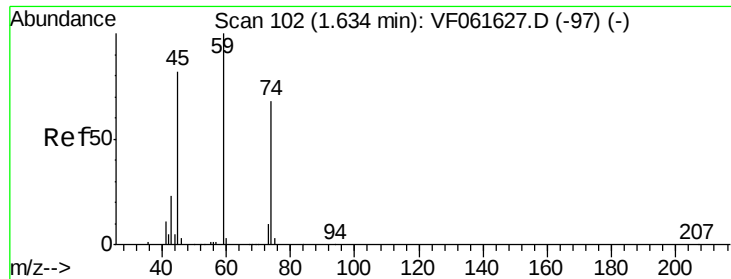
66 112.7 27.9 41.9#



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0





#8

Diethyl Ether

Concen: 2.243 ug/l

RT: 1.61 min Scan# 99

Delta R.T. -0.02 min

Lab File: VF061700.D

Acq: 21 Feb 2019 16:10

Instrument :

MSVOA_F

ClientSampleID :

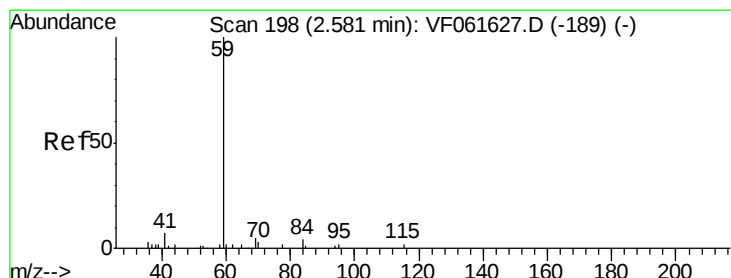
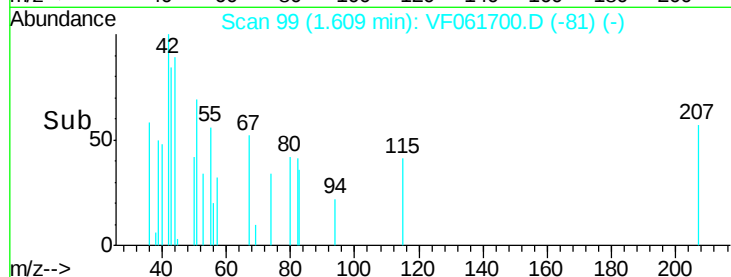
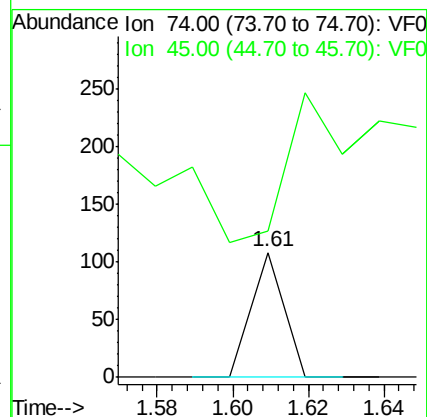
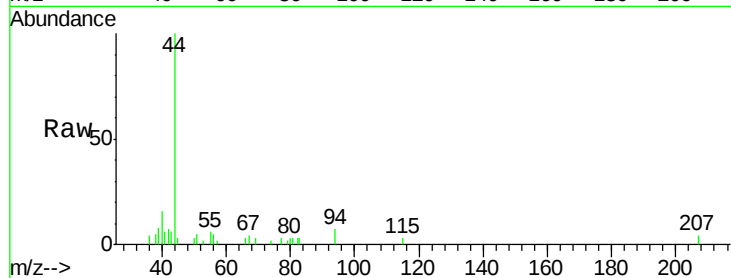
NB-07-022019-B

Tot Ion: 74 Resp: 64

Ion Ratio Lower Upper

74 100

45 117.6 60.8 182.3



#11

Tert butyl alcohol

Concen: 16.871 ug/l

RT: 2.61 min Scan# 201

Delta R.T. 0.03 min

Lab File: VF061700.D

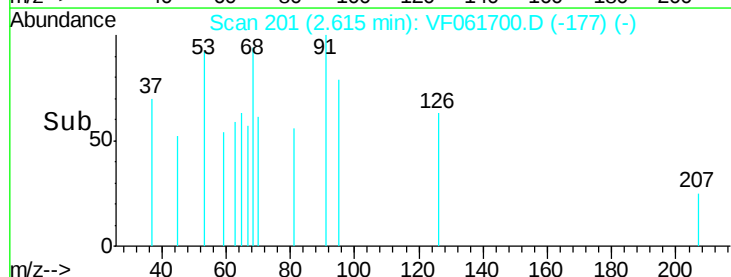
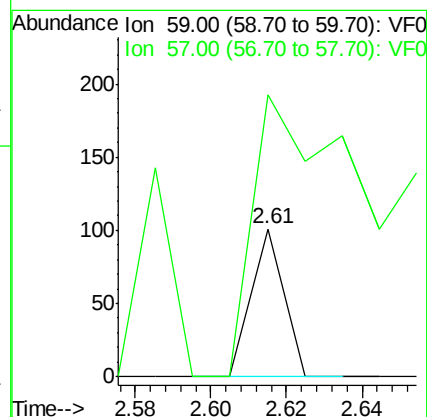
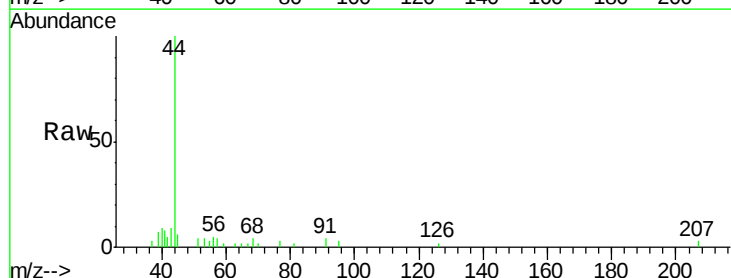
Acq: 21 Feb 2019 16:10

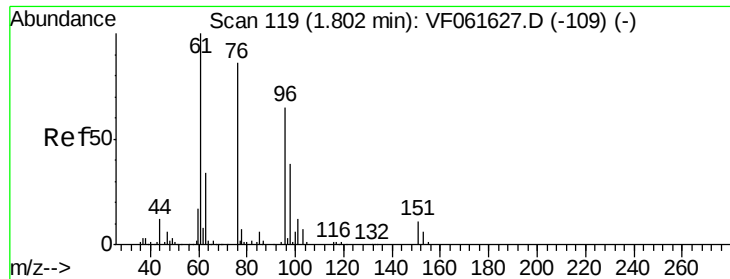
Tgt Ion: 59 Resp: 60

Ion Ratio Lower Upper

59 100

57 191.1 12.5 18.7#





#12

1,1-Dichloroethene

Concen: 3.217 ug/l

RT: 1.74 min Scan# 112

Delta R.T. -0.06 min

Lab File: VF061700.D

Acq: 21 Feb 2019 16:10

Instrument :

MSVOA_F

ClientSampleId :

NB-07-022019-B

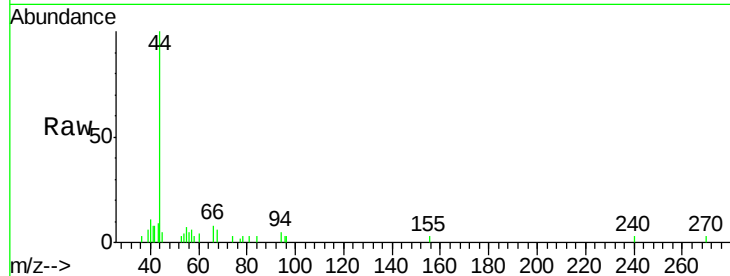
Tot Ion: 96 Resp: 231

Ion Ratio Lower Upper

96 100

61 0.0 122.6 184.0#

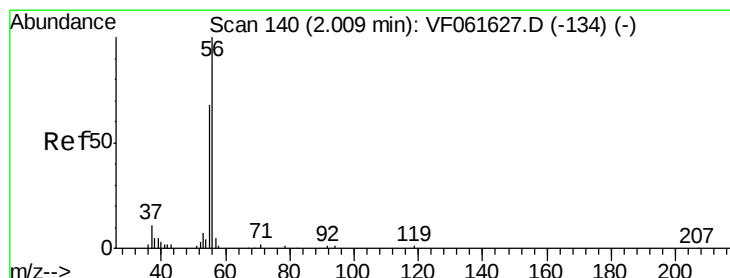
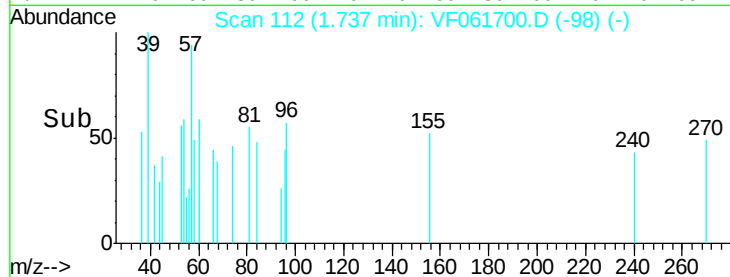
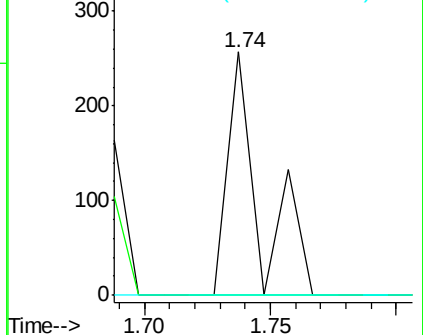
98 0.0 47.2 70.8#



Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#13

Acrolein

Concen: 71.368 ug/l

RT: 2.03 min Scan# 142

Delta R.T. 0.02 min

Lab File: VF061700.D

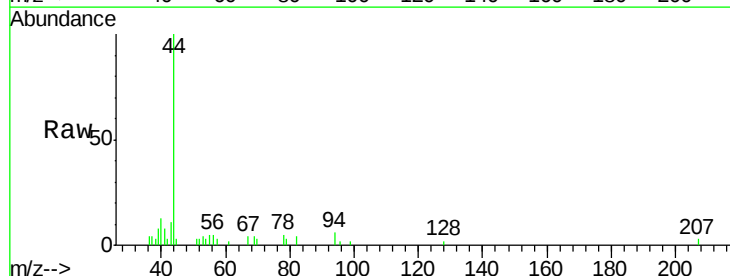
Acq: 21 Feb 2019 16:10

Tgt Ion: 56 Resp: 319

Ion Ratio Lower Upper

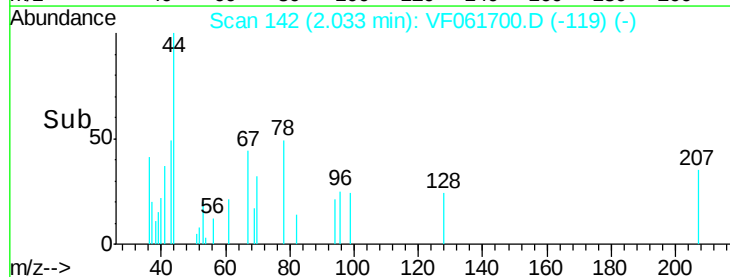
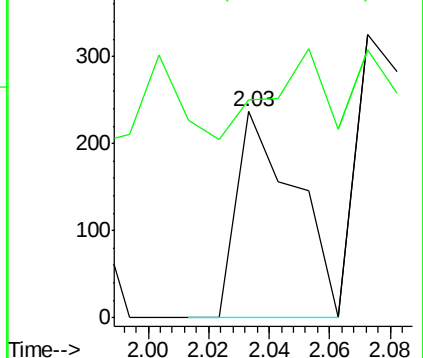
56 100

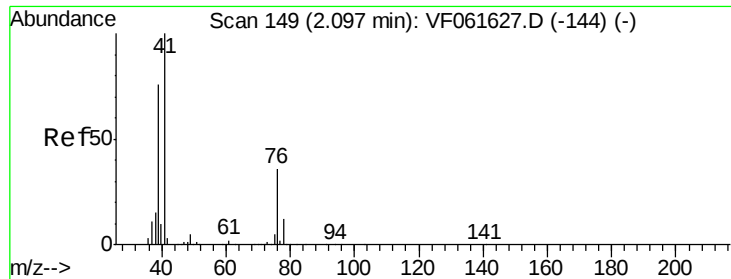
55 105.9 55.0 82.6#



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0





#14

Allvl chloride

Concen: 3.359 ug/l

RT: 2.09 min Scan# 148

Delta R.T. -0.01 min

Lab File: VF061700.D

Acq: 21 Feb 2019 16:10

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NB-07-022019-B

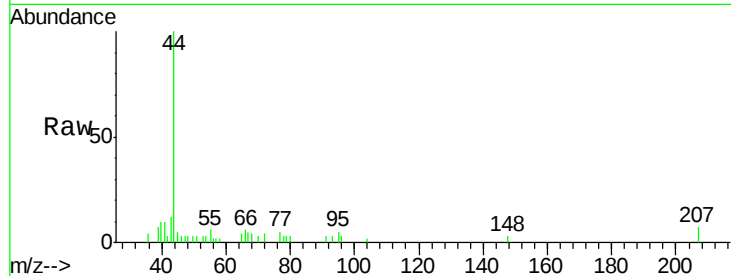
Tot Ion: 41 Resp: 296

Ion Ratio Lower Upper

41 100

39 73.9 61.6 92.4

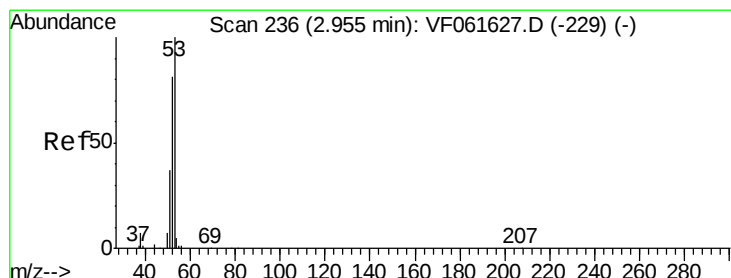
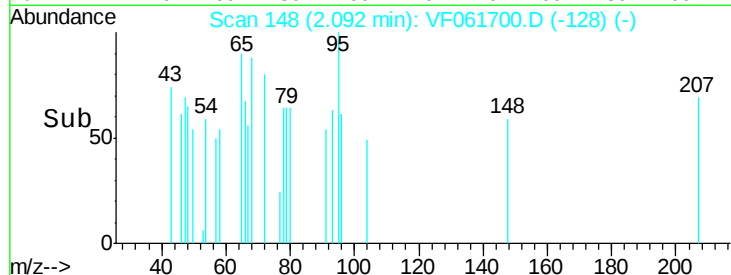
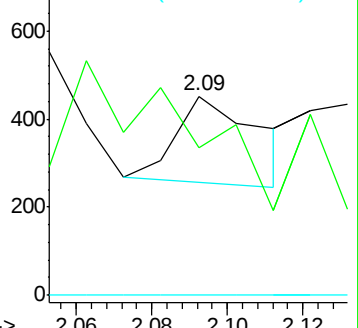
76 0.0 30.3 45.5#



Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0



#15

Acrylonitrile

Concen: 8.324 ug/l

RT: 2.93 min Scan# 233

Delta R.T. -0.02 min

Lab File: VF061700.D

Acq: 21 Feb 2019 16:10

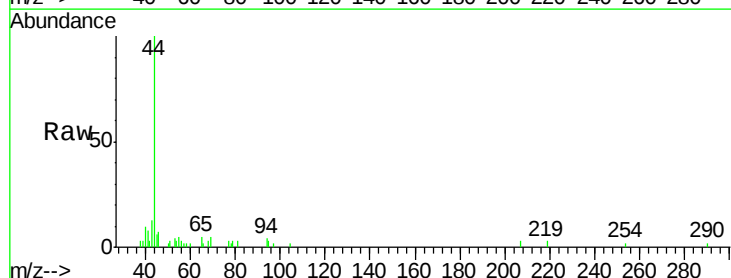
Tgt Ion: 53 Resp: 105

Ion Ratio Lower Upper

53 100

52 0.0 64.6 97.0#

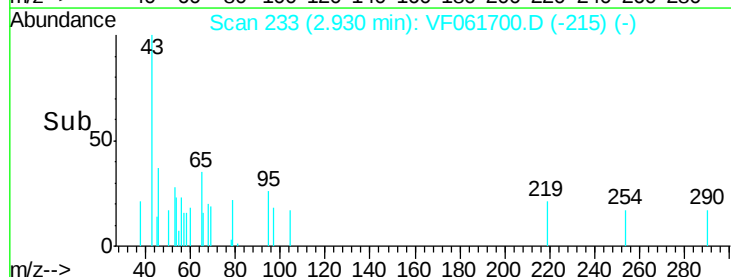
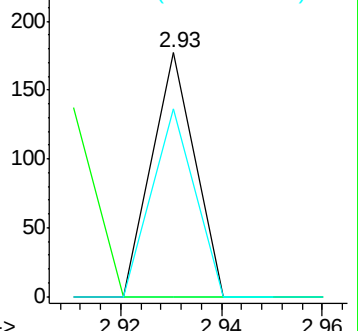
51 76.8 29.8 44.8#

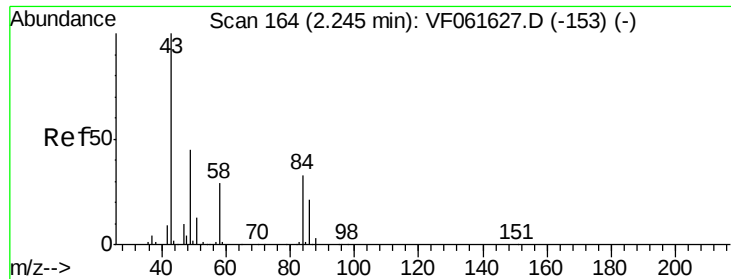


Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0





#16

Acetone

Concen: 65.833 ug/l

RT: 2.24 min Scan# 163

Delta R.T. -0.01 min

Lab File: VF061700.D

Acq: 21 Feb 2019 16:10

Instrument :

MSVOA_F

ClientSampleId :

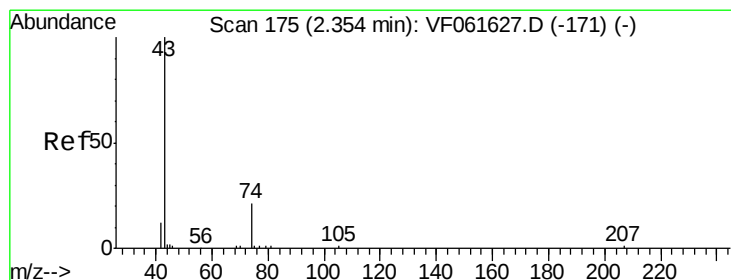
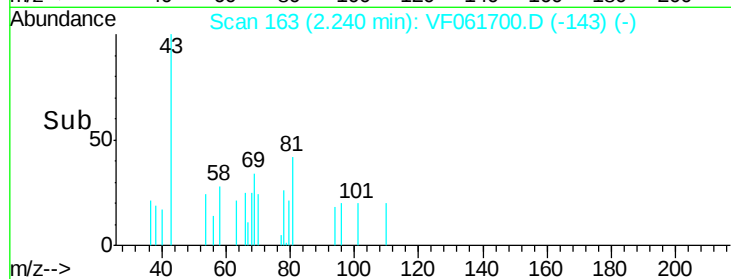
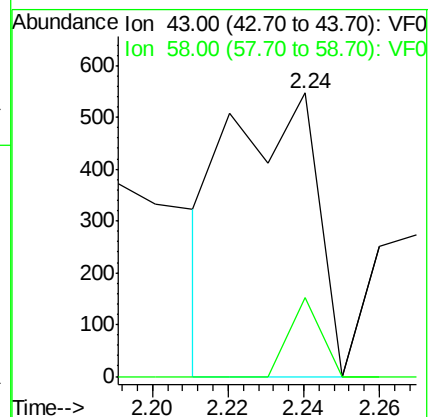
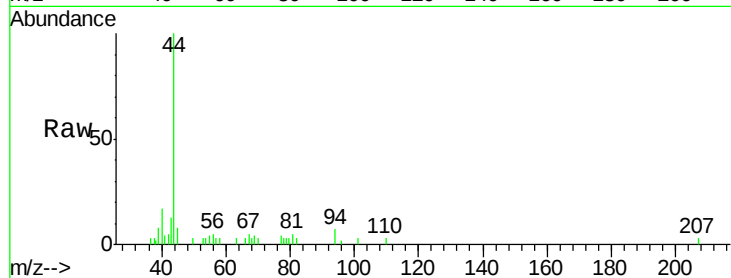
NB-07-022019-B

Tot Ion: 43 Resp: 868

Ion Ratio Lower Upper

43 100

58 27.6 22.9 34.3



#18

Methyl Acetate

Concen: 10.134 ug/l

RT: 2.33 min Scan# 172

Delta R.T. -0.02 min

Lab File: VF061700.D

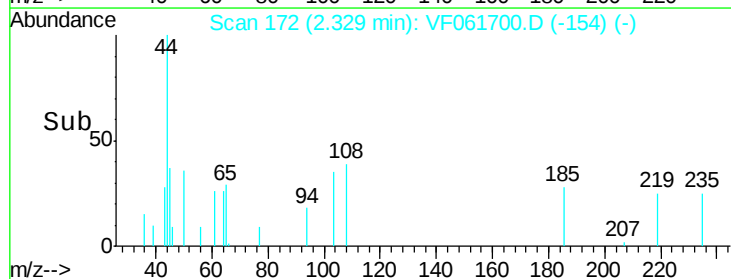
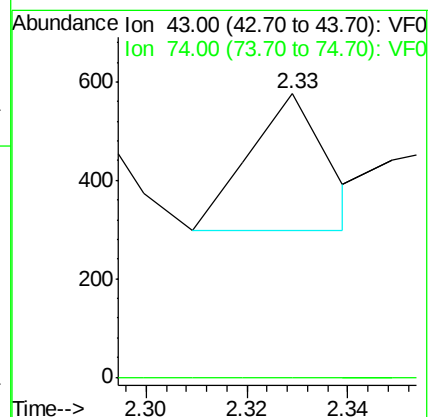
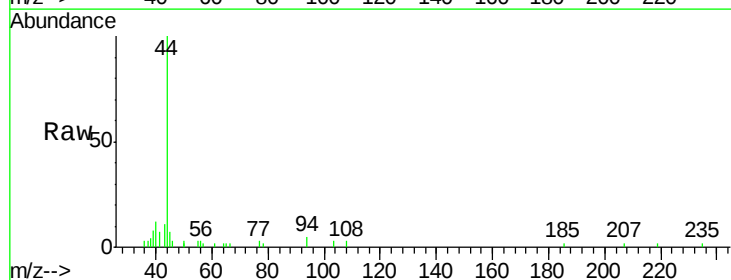
Acq: 21 Feb 2019 16:10

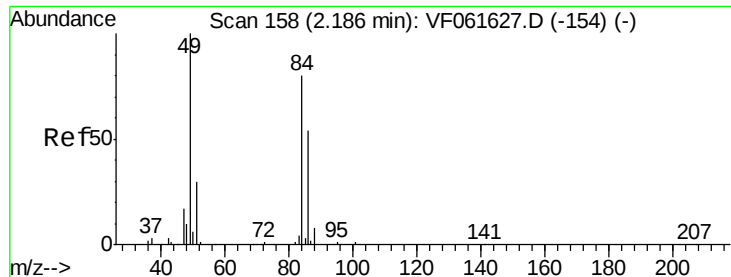
Tgt Ion: 43 Resp: 301

Ion Ratio Lower Upper

43 100

74 0.0 14.6 21.8#

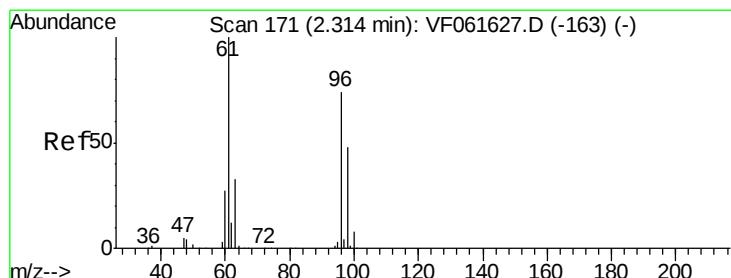
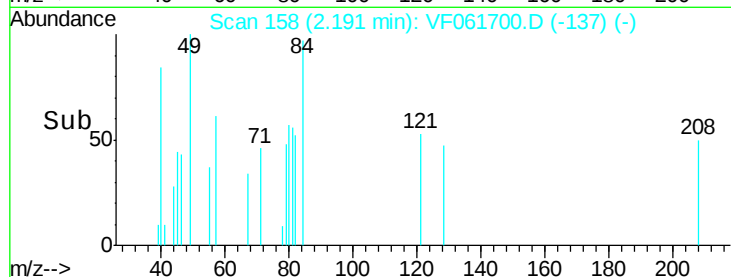
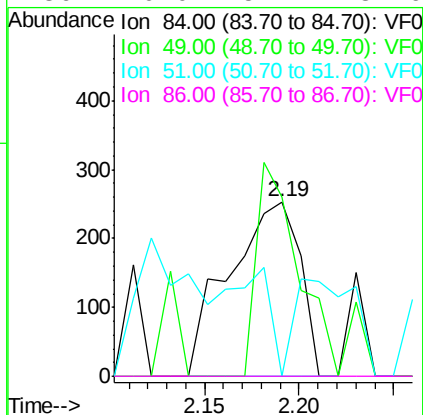
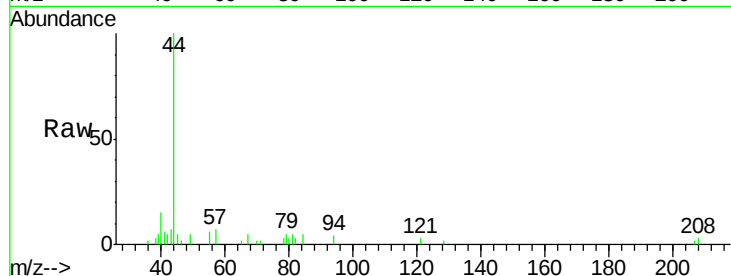




#20
Methylene Chloride
Concen: 7.183 ug/l
RT: 2.19 min Scan# 158
Delta R.T. 0.00 min
Lab File: VF061700.D
Acq: 21 Feb 2019 16:10

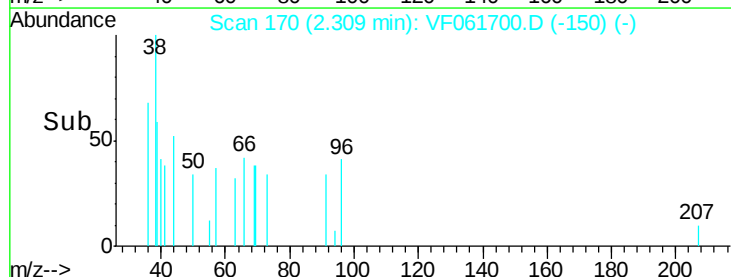
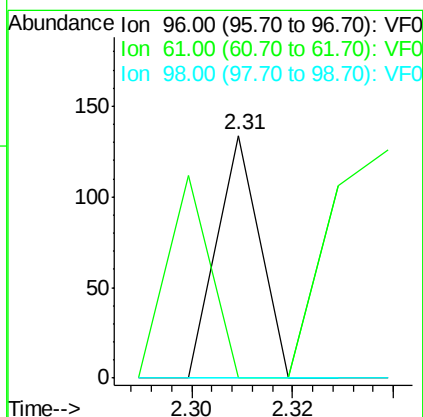
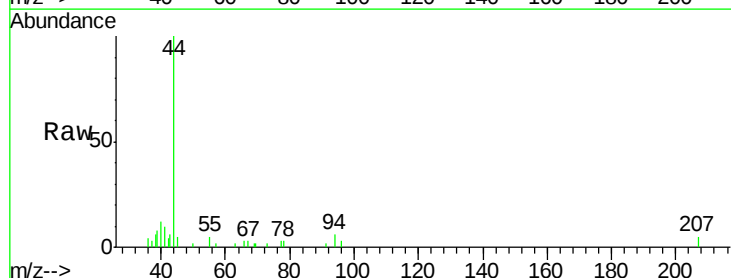
Instrument :
MSVOA_F
ClientSampleId :
NB-07-022019-B

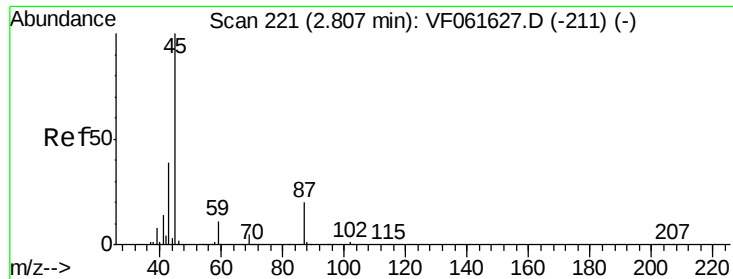
Tot Ion: 84 Resp: 660
Ion Ratio Lower Upper
84 100
49 102.8 101.8 152.8
51 0.0 31.1 46.7#
86 0.0 54.4 81.6#



#21
trans-1,2-Dichloroethene
Concen: 1.012 ug/l
RT: 2.31 min Scan# 170
Delta R.T. -0.01 min
Lab File: VF061700.D
Acq: 21 Feb 2019 16:10

Tgt Ion: 96 Resp: 79
Ion Ratio Lower Upper
96 100
61 0.0 108.2 162.4#
98 0.0 52.2 78.2#

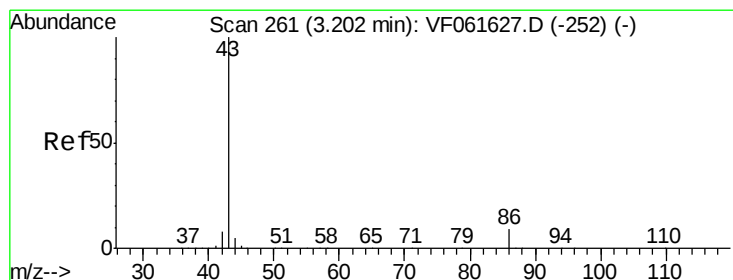
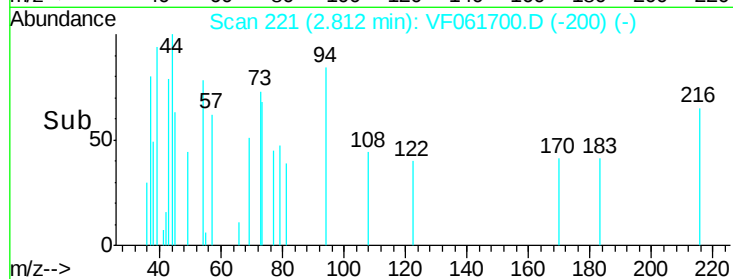
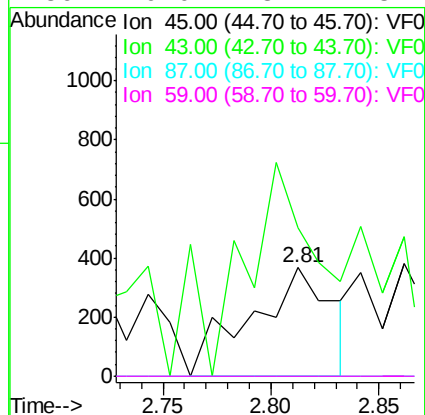
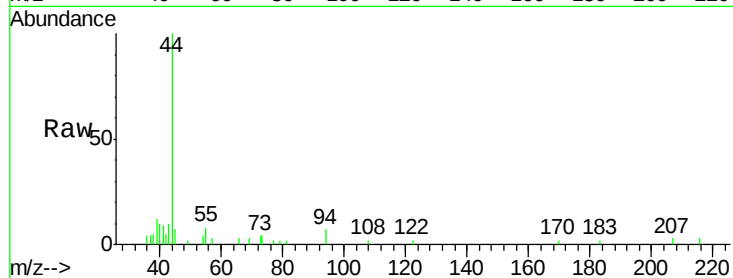




#22
Diisopropyl ether
Concen: 4.562 ug/l
RT: 2.81 min Scan# 221
Delta R.T. 0.00 min
Lab File: VF061700.D
Acq: 21 Feb 2019 16:10

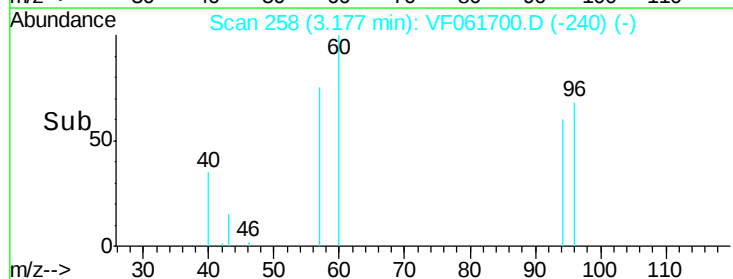
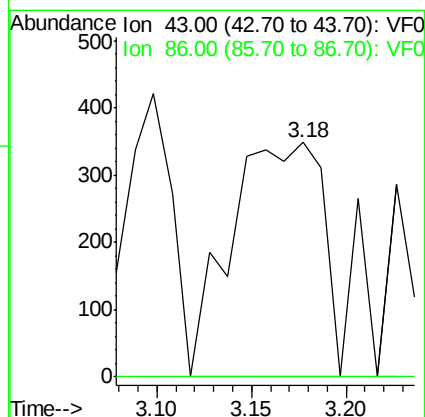
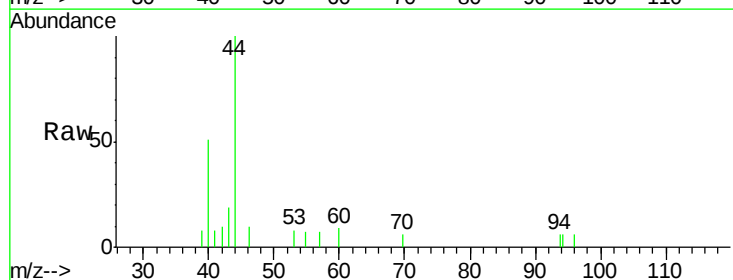
Instrument :
MSVOA_F
ClientSampleId :
NB-07-022019-B

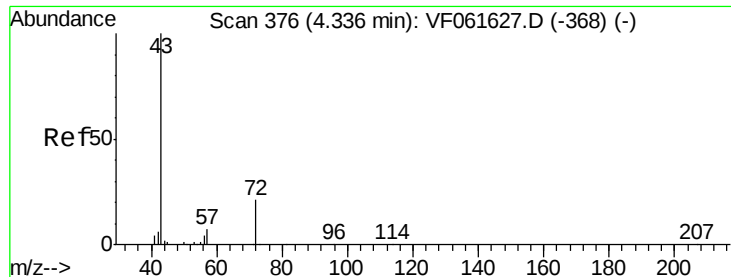
Tot Ion: 45 Resp: 965
Ion Ratio Lower Upper
45 100
43 136.8 31.4 47.2#
87 0.0 16.3 24.5#
59 0.0 8.7 13.1#



#23
Vinyl Acetate
Concen: 11.325 ug/l
RT: 3.18 min Scan# 258
Delta R.T. -0.02 min
Lab File: VF061700.D
Acq: 21 Feb 2019 16:10

Tgt Ion: 43 Resp: 1170
Ion Ratio Lower Upper
43 100
86 0.0 7.5 11.3#





#25

2-Butanone

Concen: 7.882 ug/l

RT: 4.35 min Scan# 377

Delta R.T. 0.01 min

Lab File: VF061700.D

Acq: 21 Feb 2019 16:10

Instrument :

MSVOA_F

ClientSampleId :

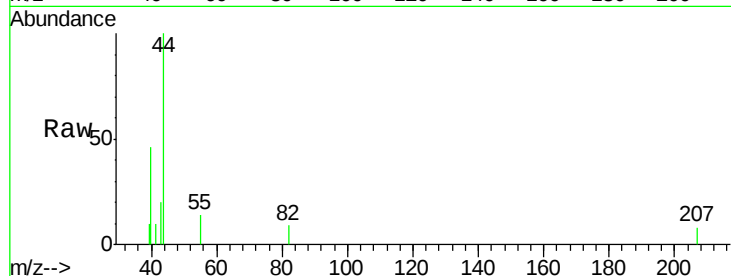
NB-07-022019-B

Tot Ion: 43 Resp: 227

Ion Ratio Lower Upper

43 100

72 0.0 17.1 25.7#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

4.35

250

200

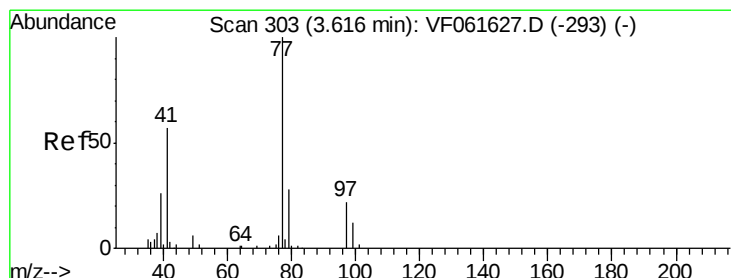
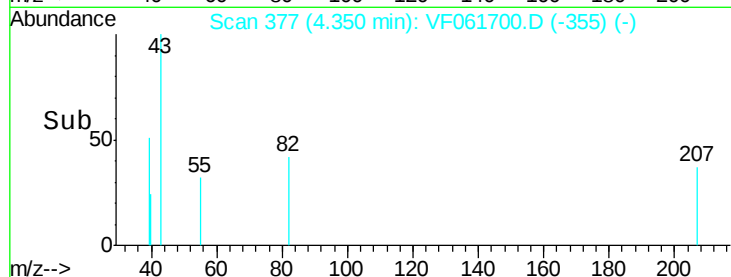
150

100

50

0

Time-->



#26

2,2-Dichloropropane

Concen: 1.291 ug/l

RT: 3.55 min Scan# 296

Delta R.T. -0.06 min

Lab File: VF061700.D

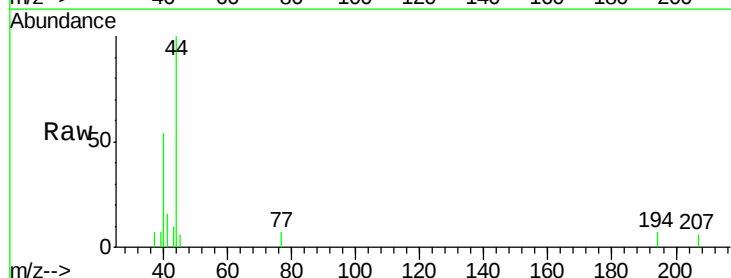
Acq: 21 Feb 2019 16:10

Tgt Ion: 77 Resp: 70

Ion Ratio Lower Upper

77 100

97 0.0 11.7 35.0#



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0

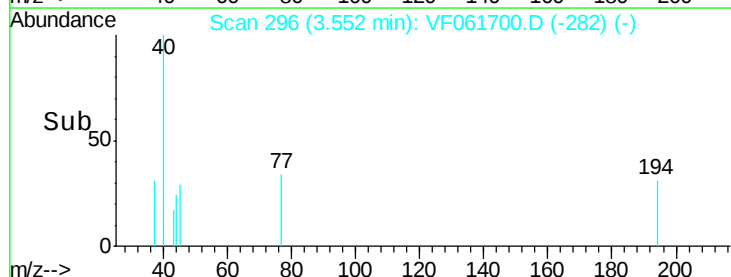
3.55

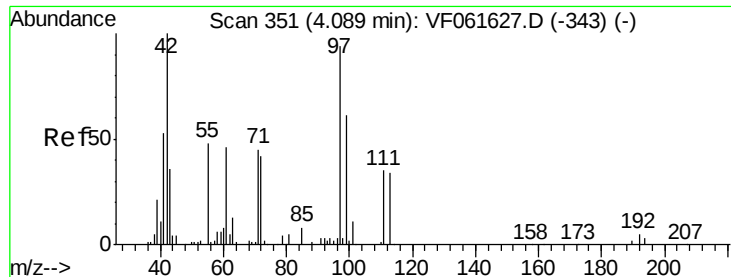
100

50

0

Time-->





#29

Tetrahydrofuran

Concen: 18.641 ug/l

RT: 4.08 min Scan# 350

Delta R.T. -0.01 min

Lab File: VF061700.D

Acq: 21 Feb 2019 16:10

Instrument :

MSVOA_F

ClientSampleId :

NB-07-022019-B

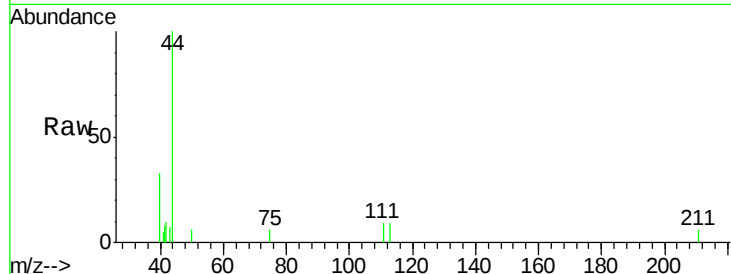
Tot Ion: 42 Resp: 244

Ion Ratio Lower Upper

42 100

72 0.0 35.2 52.8#

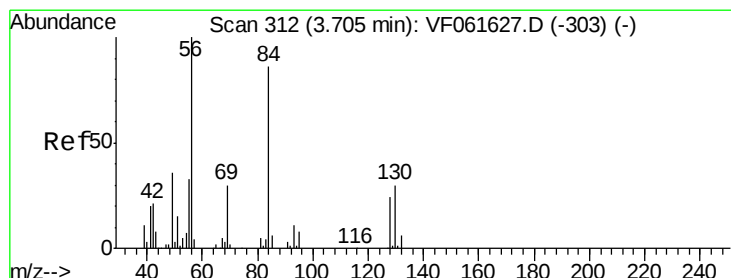
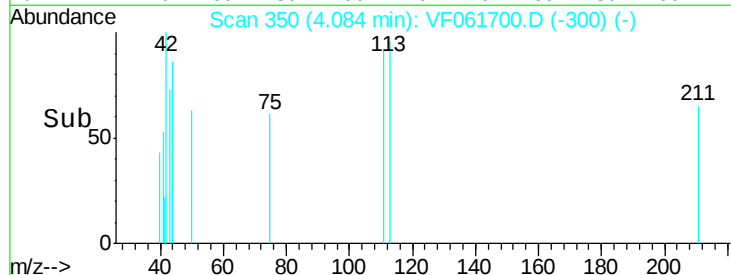
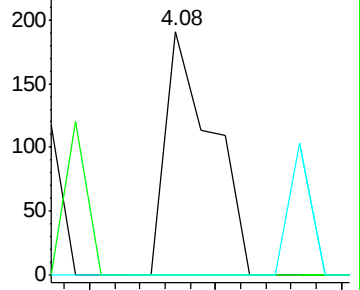
71 0.0 32.9 49.3#



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



#31

Cyclohexane

Concen: 1.739 ug/l

RT: 3.68 min Scan# 309

Delta R.T. -0.02 min

Lab File: VF061700.D

Acq: 21 Feb 2019 16:10

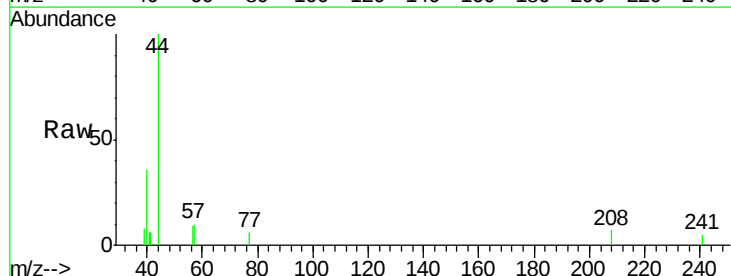
Tgt Ion: 56 Resp: 241

Ion Ratio Lower Upper

56 100

69 0.0 23.8 35.8#

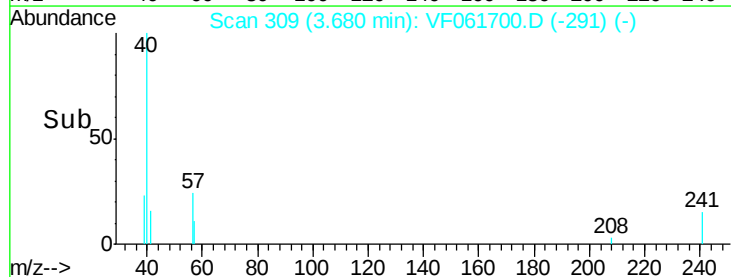
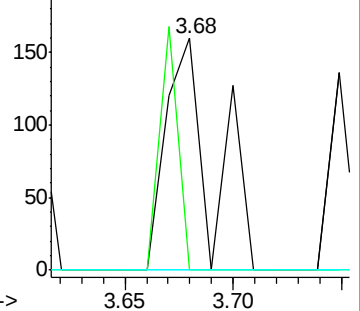
84 0.0 68.6 103.0#

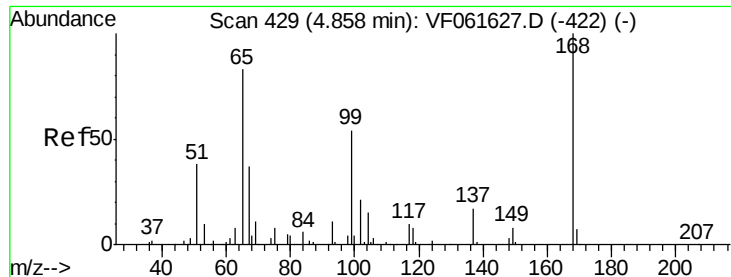


Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 84.00 (83.70 to 84.70): VF0

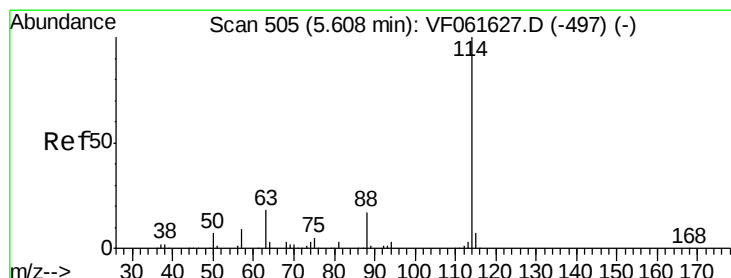
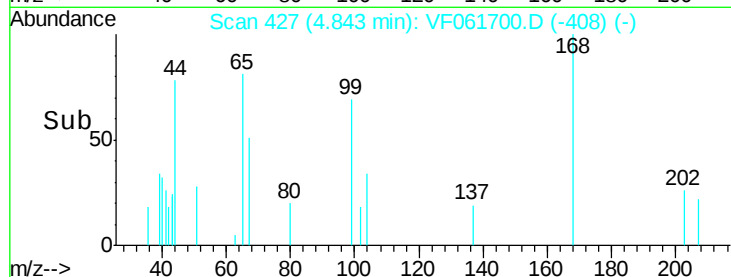
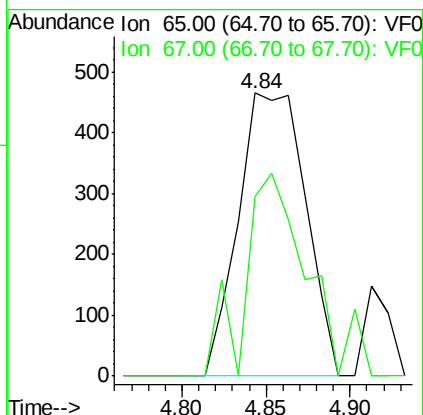
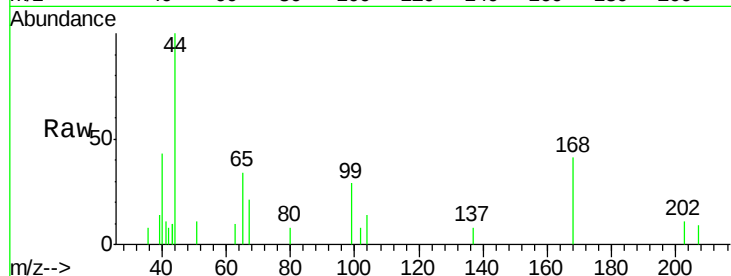




#33
 1,2-Dichloroethane-d4
 Concen: 20.927 ug/l
 RT: 4.84 min Scan# 427
 Delta R.T. -0.01 min
 Lab File: VF061700.D
 Acq: 21 Feb 2019 16:10

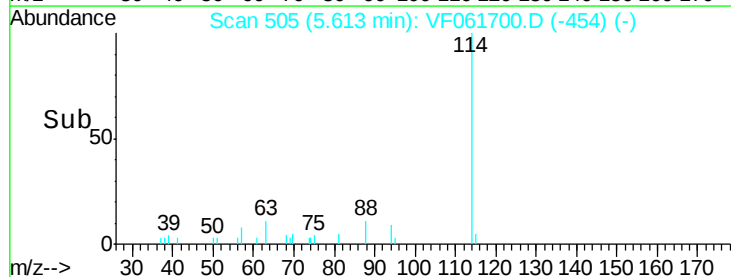
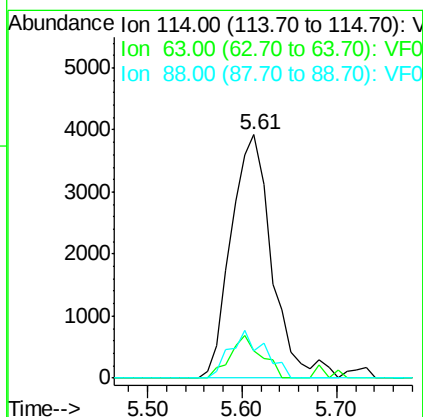
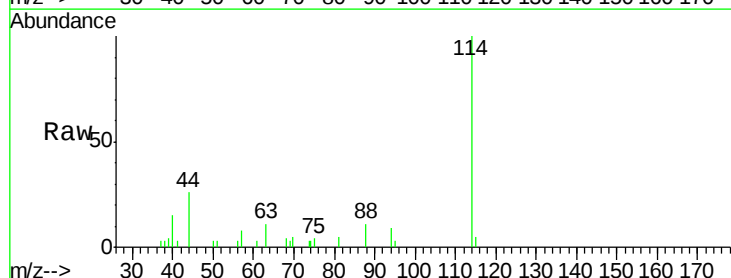
Instrument :
 MSVOA_F
 ClientSampleId :
 NB-07-022019-B

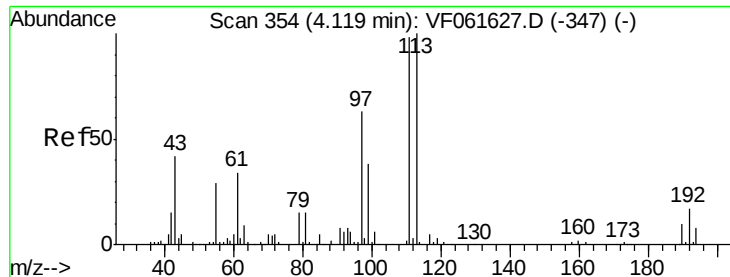
Tot Ion: 65 Resp: 1286
 Ion Ratio Lower Upper
 65 100
 67 63.7 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.61 min Scan# 505
 Delta R.T. 0.00 min
 Lab File: VF061700.D
 Acq: 21 Feb 2019 16:10

Tgt Ion: 114 Resp: 11668
 Ion Ratio Lower Upper
 114 100
 63 11.4 0.0 36.6
 88 11.2 0.0 34.4





#35

Dibromofluoromethane

Concen: 30.341 ug/l

RT: 4.12 min Scan# 354

Delta R.T. 0.00 min

Lab File: VF061700.D

Acq: 21 Feb 2019 16:10

Instrument :

MSVOA_F

ClientSampleId :

NB-07-022019-B

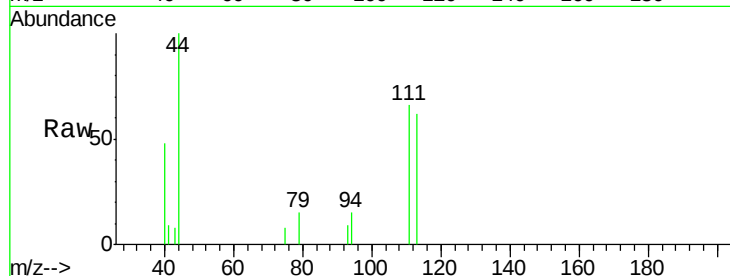
Tot Ion:113 Resp: 2629

Ion Ratio Lower Upper

113 100

111 106.5 78.8 118.2

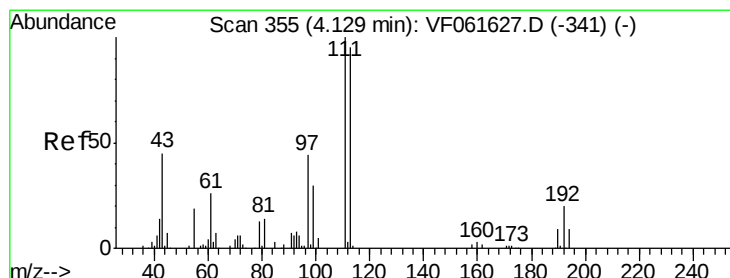
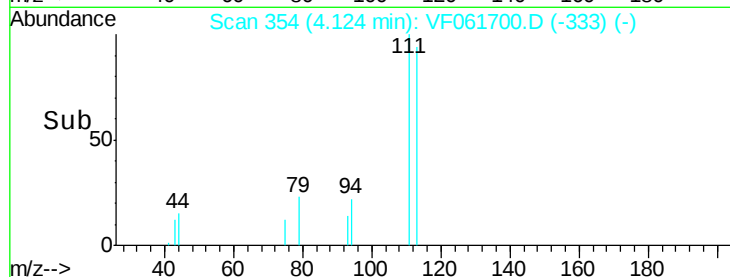
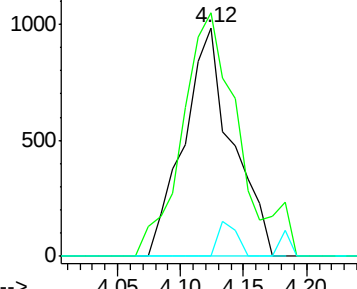
192 0.0 13.4 20.0#



Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#37

Ethyl Acetate

Concen: 3.986 ug/l

RT: 4.14 min Scan# 356

Delta R.T. 0.01 min

Lab File: VF061700.D

Acq: 21 Feb 2019 16:10

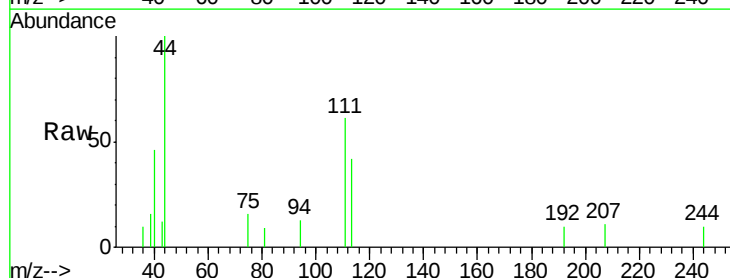
Tgt Ion: 43 Resp: 214

Ion Ratio Lower Upper

43 100

61 0.0 45.7 68.5#

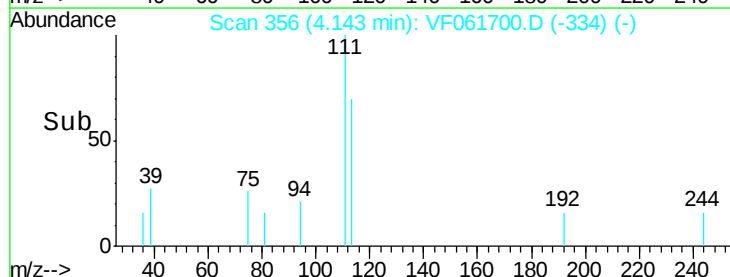
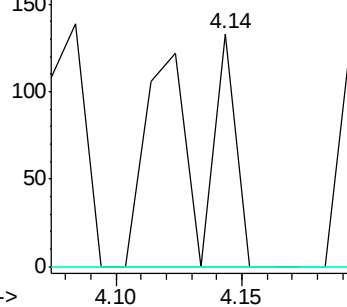
70 0.0 8.5 12.7#

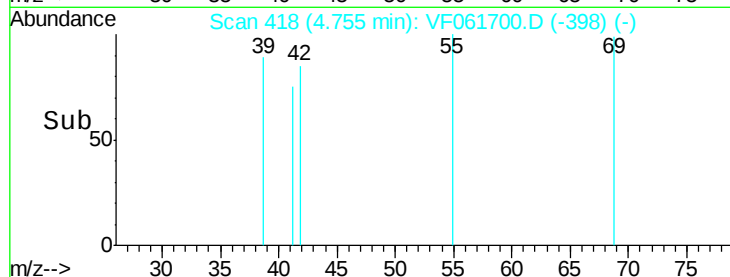
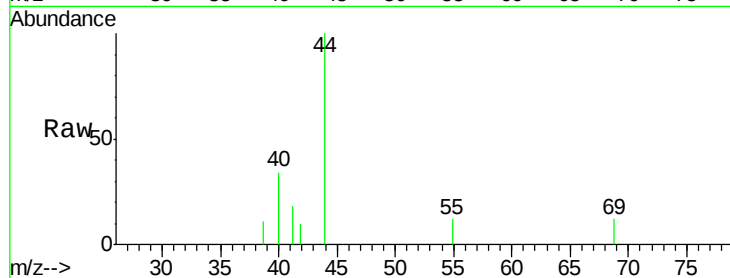
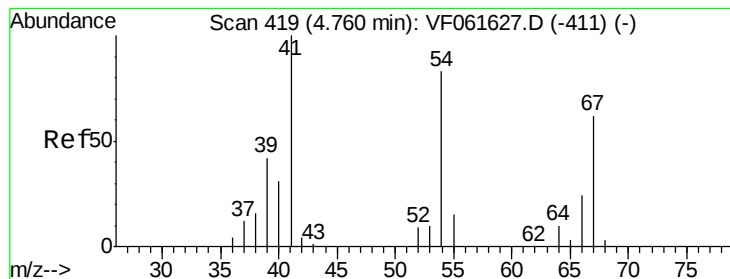


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0





#41

Methacrylonitrile

Concen: 15.152 ug/l

RT: 4.75 min Scan# 418

Delta R.T. -0.01 min

Lab File: VF061700.D

Acq: 21 Feb 2019 16:10

Instrument :

MSVOA_F

ClientSampleId :

NB-07-022019-B

Tot Ion: 41 Resp: 416

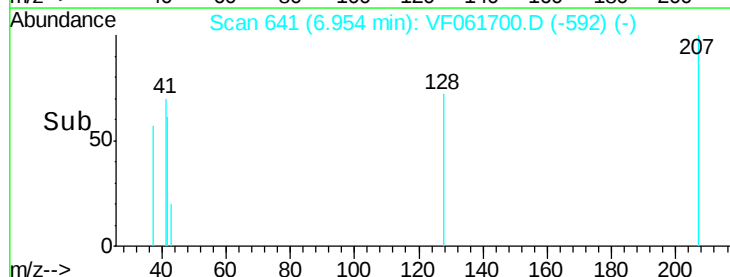
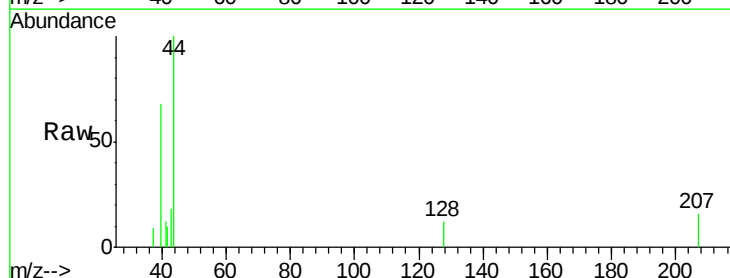
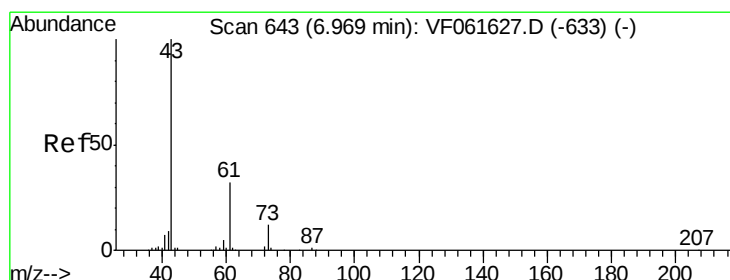
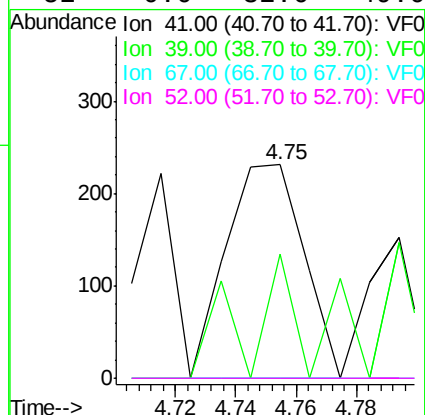
Ion Ratio Lower Upper

41 100

39 58.4 45.3 67.9

67 0.0 49.3 73.9#

52 0.0 32.6 49.0#



#43

Isopropyl Acetate

Concen: 3.698 ug/l

RT: 6.95 min Scan# 641

Delta R.T. -0.01 min

Lab File: VF061700.D

Acq: 21 Feb 2019 16:10

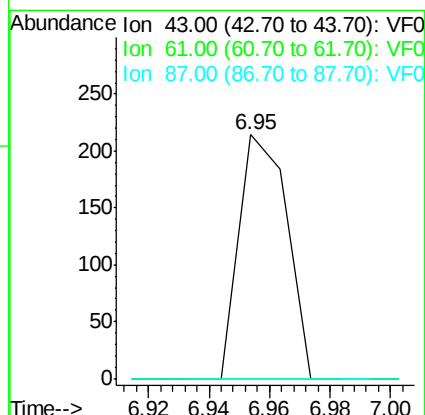
Tgt Ion: 43 Resp: 235

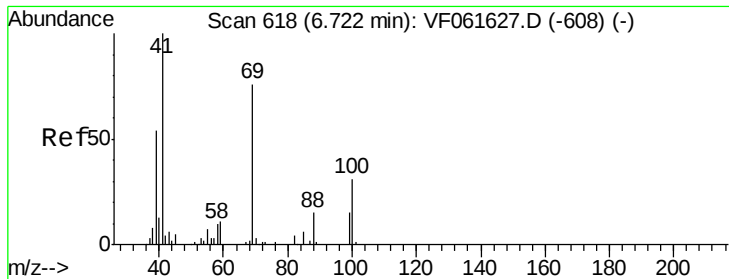
Ion Ratio Lower Upper

43 100

61 0.0 25.8 38.6#

87 0.0 0.4 0.6#





#48

Methyl methacrylate

Concen: 4.184 ug/l

RT: 6.74 min Scan# 619

Delta R.T. 0.01 min

Lab File: VF061700.D

Acq: 21 Feb 2019 16:10

Instrument :

MSVOA_F

ClientSampleId :

NB-07-022019-B

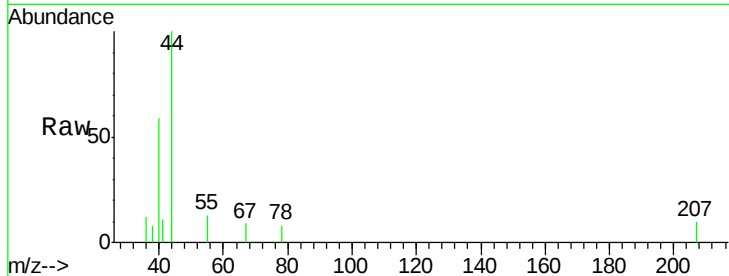
Tot Ion: 41 Resp: 160

Ion Ratio Lower Upper

41 100

69 0.0 60.4 90.6#

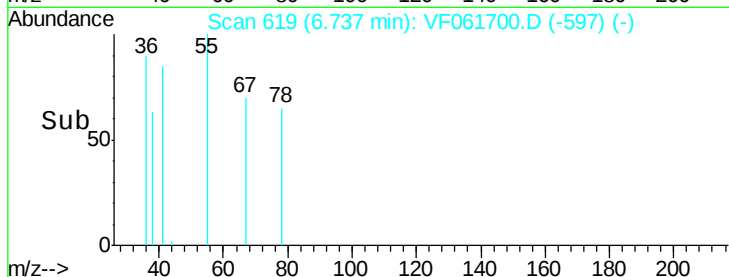
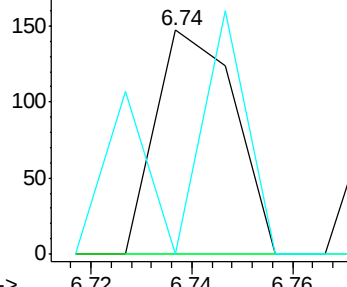
39 0.0 43.7 65.5#



Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0



#50

Toluene-d8

Concen: 32.093 ug/l

RT: 7.57 min Scan# 703

Delta R.T. 0.00 min

Lab File: VF061700.D

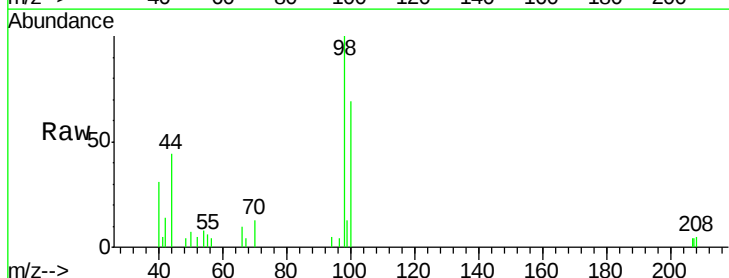
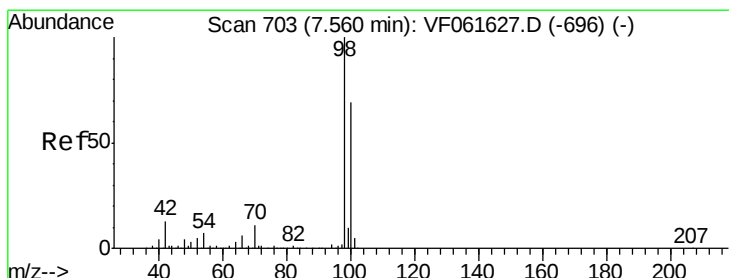
Acq: 21 Feb 2019 16:10

Tgt Ion: 98 Resp: 7994

Ion Ratio Lower Upper

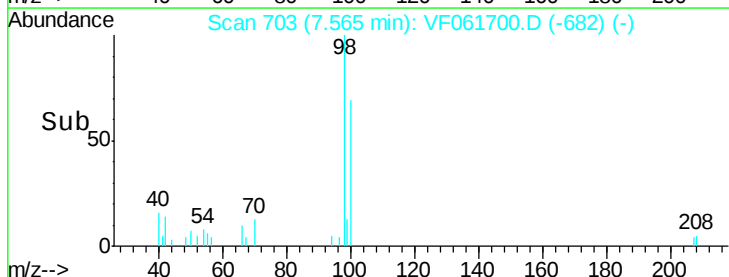
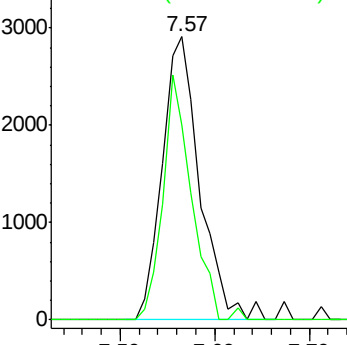
98 100

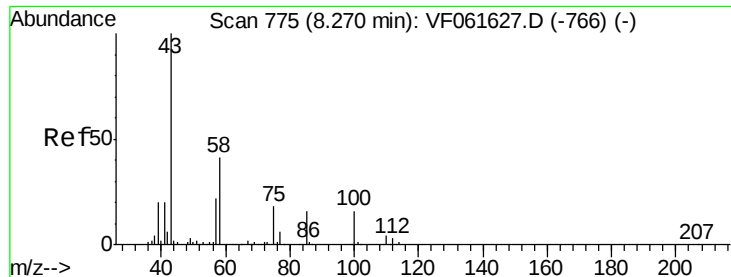
100 68.7 55.4 83.2



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 3.656 ug/l

RT: 8.28 min Scan# 776

Delta R.T. 0.01 min

Lab File: VF061700.D

Acq: 21 Feb 2019 16:10

Instrument :

MSVOA_F

ClientSampleId :

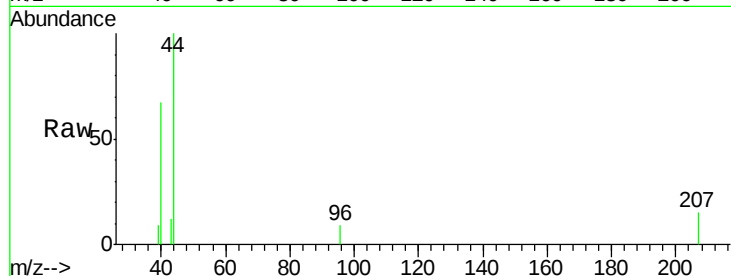
NB-07-022019-B

Tot Ion: 43 Resp: 166

Ion Ratio Lower Upper

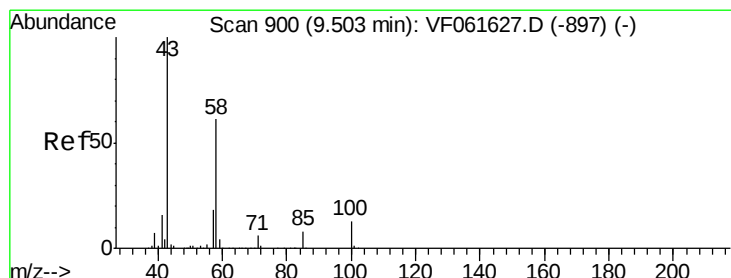
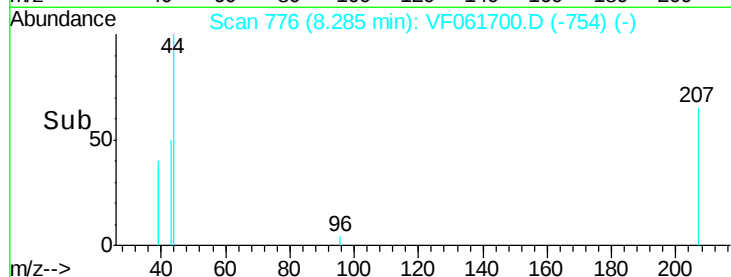
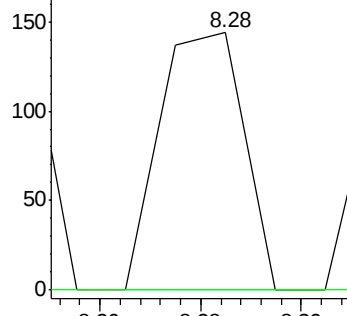
43 100

58 0.0 33.1 49.7#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#59

2-Hexanone

Concen: 2.199 ug/l

RT: 9.50 min Scan# 899

Delta R.T. -0.01 min

Lab File: VF061700.D

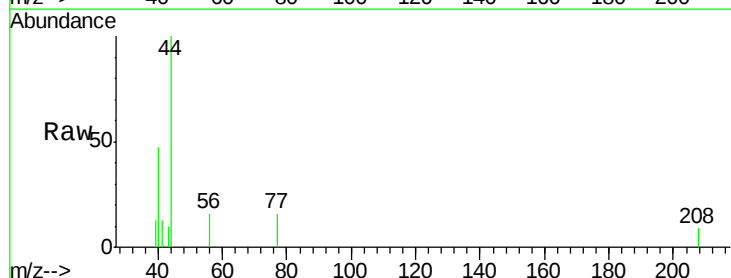
Acq: 21 Feb 2019 16:10

Tgt Ion: 43 Resp: 70

Ion Ratio Lower Upper

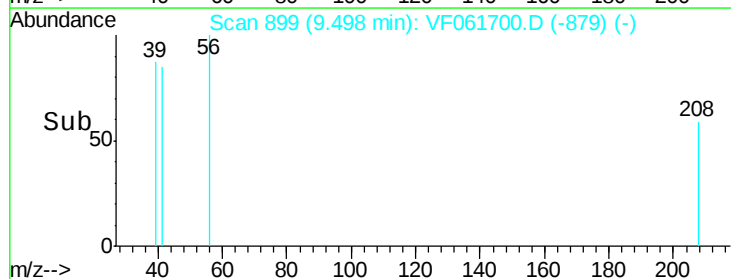
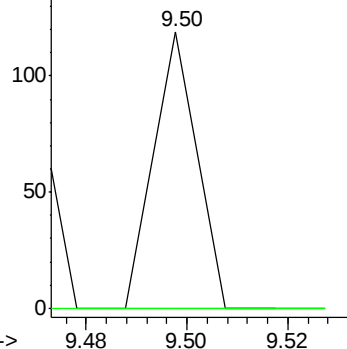
43 100

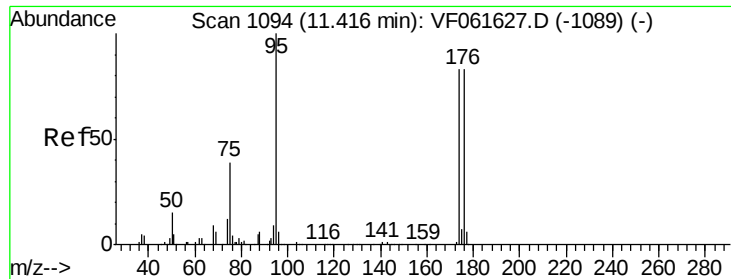
58 0.0 28.5 85.5#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#62

4-Bromofluorobenzene

Concen: 15.905 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. -0.01 min

Lab File: VF061700.D

Acq: 21 Feb 2019 16:10

Instrument :

MSVOA_F

ClientSampleId :

NB-07-022019-B

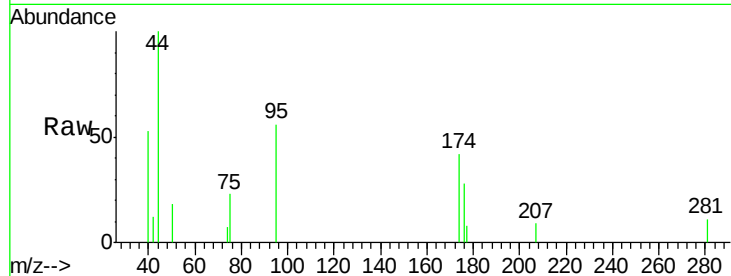
Tot Ion: 95 Resp: 1603

Ion Ratio Lower Upper

95 100

174 75.2 0.0 165.8

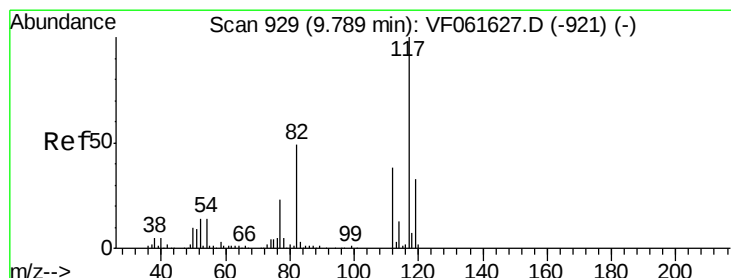
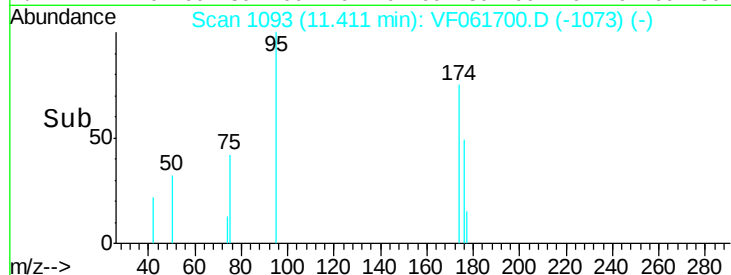
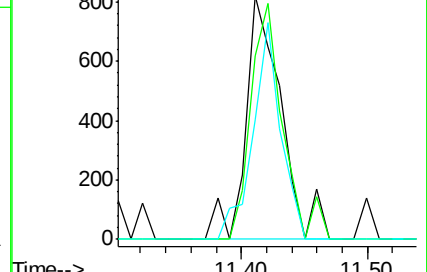
176 49.2 0.0 167.0



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): VF0

Ion 176.00 (175.70 to 176.70): VF0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.78 min Scan# 928

Delta R.T. -0.01 min

Lab File: VF061700.D

Acq: 21 Feb 2019 16:10

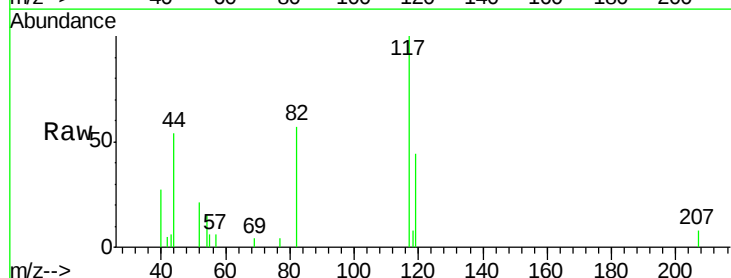
Tgt Ion: 117 Resp: 5798

Ion Ratio Lower Upper

117 100

82 57.3 39.3 58.9

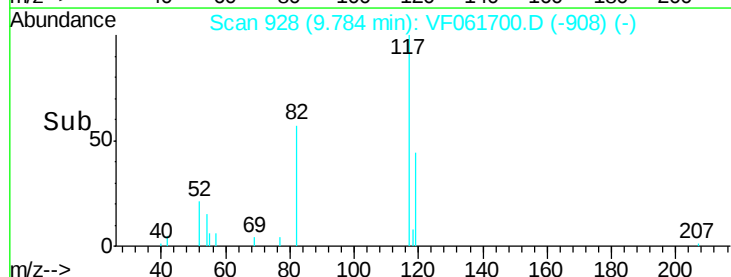
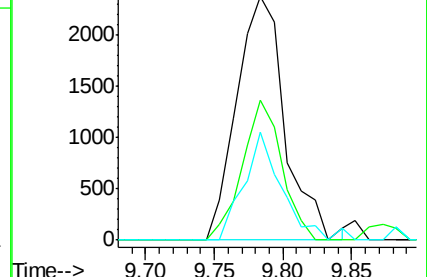
119 44.2 26.6 40.0#

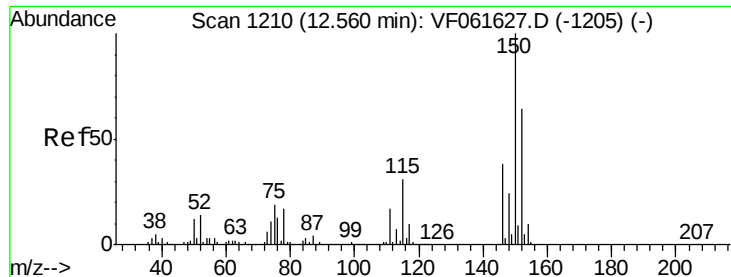


Abundance Ion 117.00 (116.70 to 117.70): VF0

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): VF0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.55 min Scan# 1209

Delta R.T. -0.01 min

Lab File: VF061700.D

Acq: 21 Feb 2019 16:10

Instrument :

MSVOA_F

ClientSampleId :

NB-07-022019-B

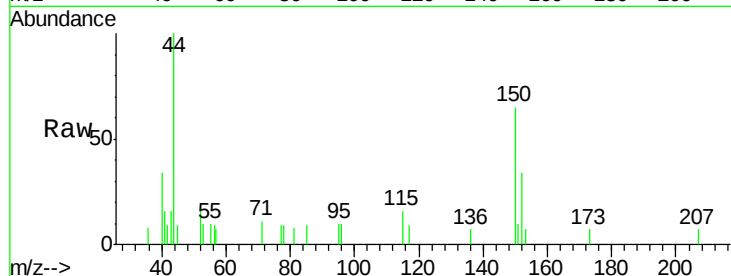
Tot Ion:152 Resp: 857

Ion Ratio Lower Upper

152 100

115 48.8 24.3 72.8

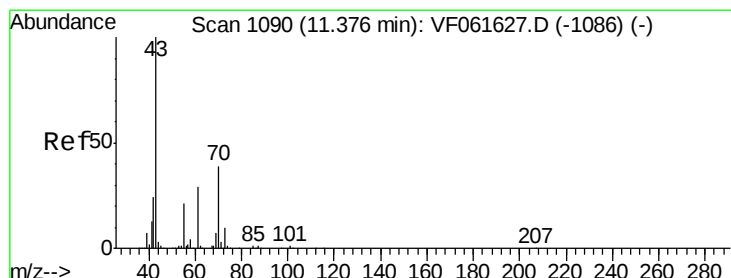
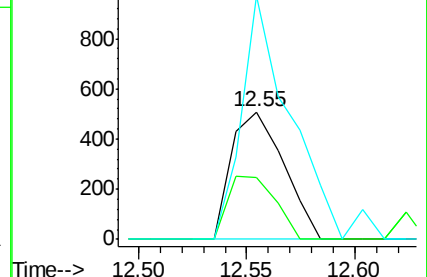
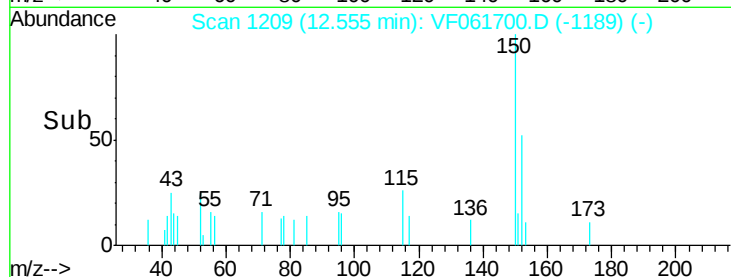
150 191.1 0.0 312.0



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



#74

N-ethyl acetate

Concen: 15.431 ug/l

RT: 11.37 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VF061700.D

Acq: 21 Feb 2019 16:10

Tgt Ion: 43 Resp: 226

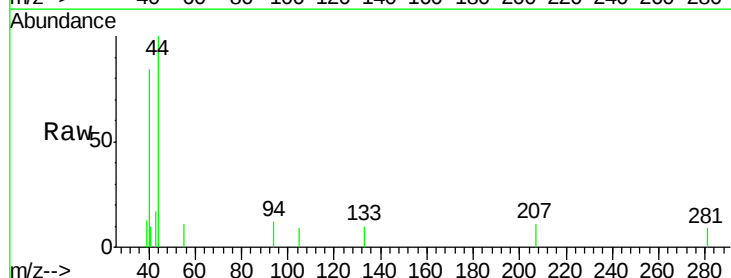
Ion Ratio Lower Upper

43 100

70 0.0 31.5 47.3#

55 64.9 16.7 25.1#

61 0.0 23.0 34.6#

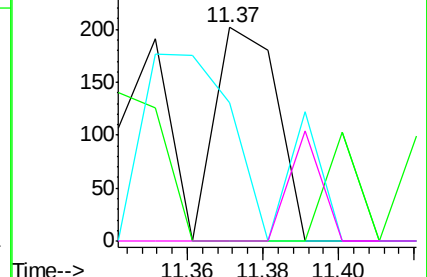
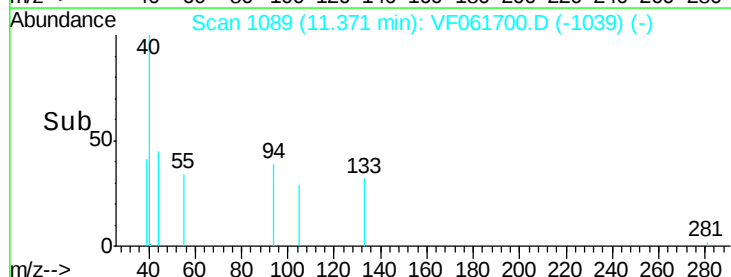


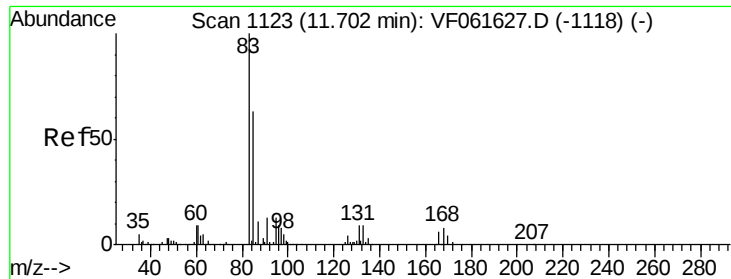
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 6.038 ug/l

RT: 11.62 min Scan# 1114

Delta R.T. -0.08 min

Lab File: VF061700.D

Acq: 21 Feb 2019 16:10

Instrument :

MSVOA_F

ClientSampleId :

NB-07-022019-B

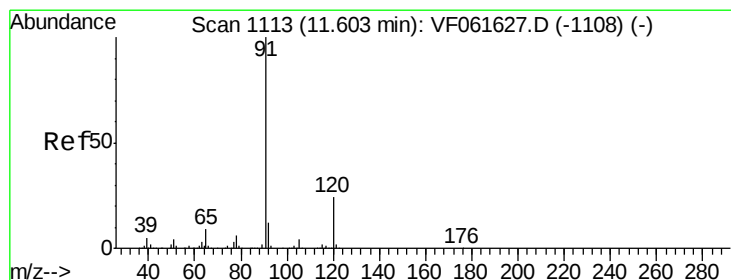
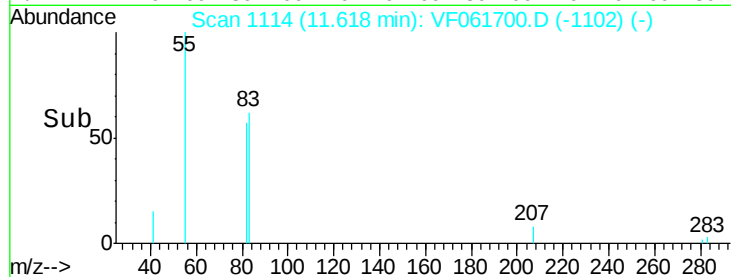
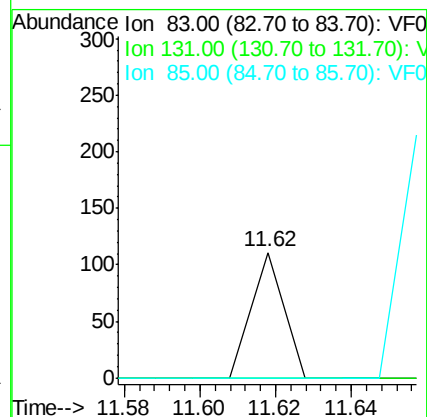
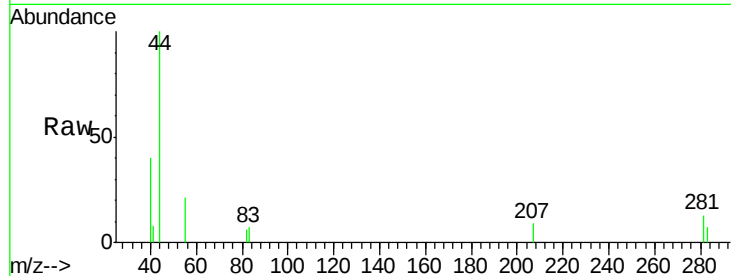
Tot Ion: 83 Resp: 66

Ion Ratio Lower Upper

83 100

131 0.0 4.4 13.2#

85 0.0 31.5 94.5#



#78

n-propylbenzene

Concen: 4.899 ug/l

RT: 11.60 min Scan# 1112

Delta R.T. -0.01 min

Lab File: VF061700.D

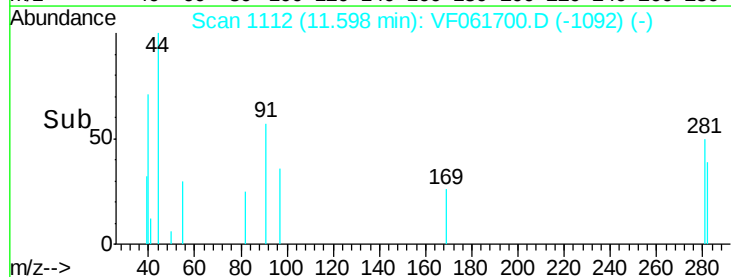
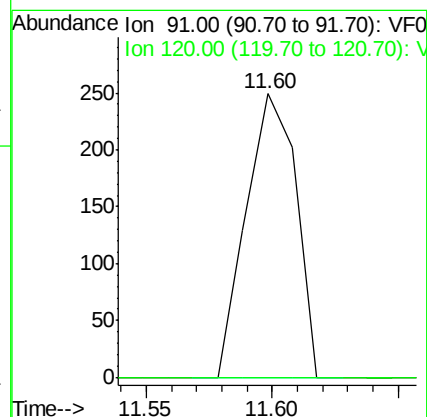
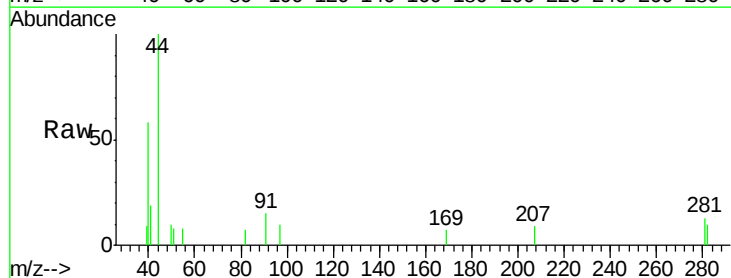
Acq: 21 Feb 2019 16:10

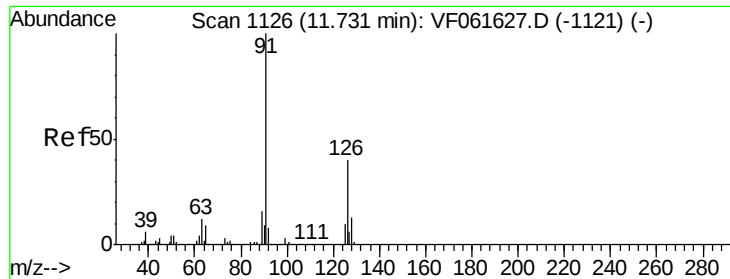
Tgt Ion: 91 Resp: 343

Ion Ratio Lower Upper

91 100

120 0.0 12.1 36.3#





#79

2-Chlorotoluene

Concen: 9.002 ug/l

RT: 11.72 min Scan# 1124

Delta R.T. -0.01 min

Lab File: VF061700.D

Acq: 21 Feb 2019 16:10

Instrument :

MSVOA_F

ClientSampleId :

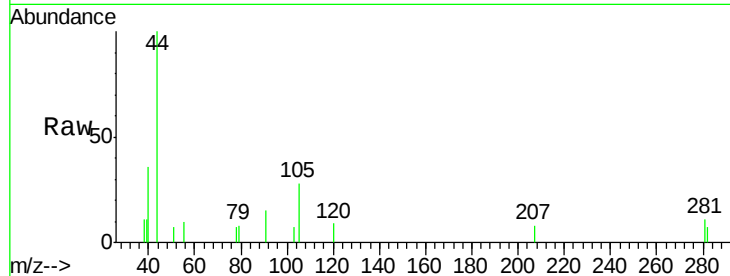
NB-07-022019-B

Tot Ion: 91 Resp: 353

Ion Ratio Lower Upper

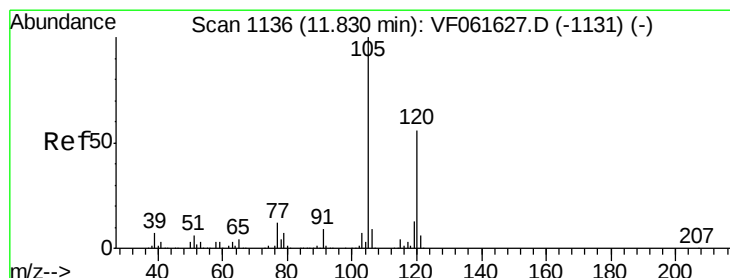
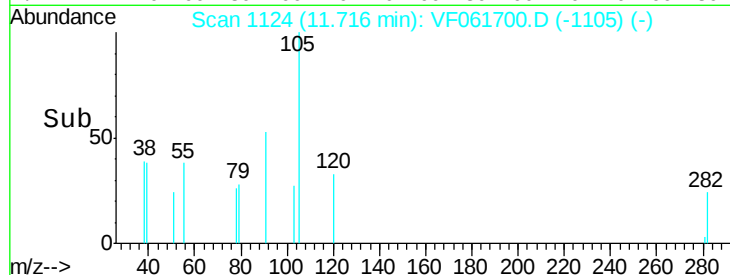
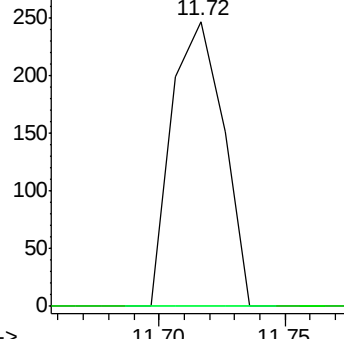
91 100

126 0.0 19.8 59.4#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



#80

1,3,5-Trimethylbenzene

Concen: 5.926 ug/l

RT: 11.82 min Scan# 1135

Delta R.T. -0.01 min

Lab File: VF061700.D

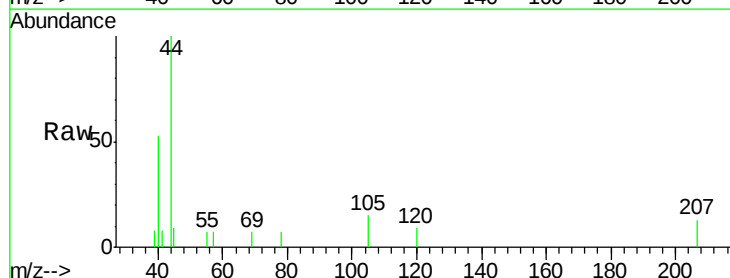
Acq: 21 Feb 2019 16:10

Tgt Ion: 105 Resp: 289

Ion Ratio Lower Upper

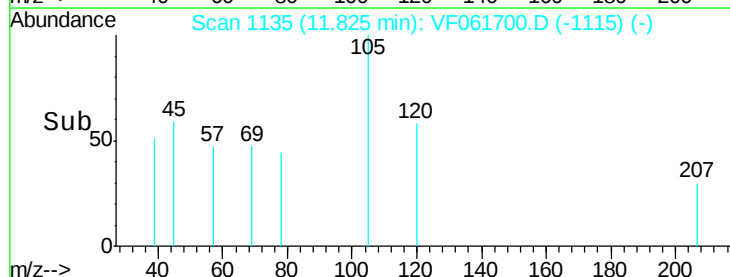
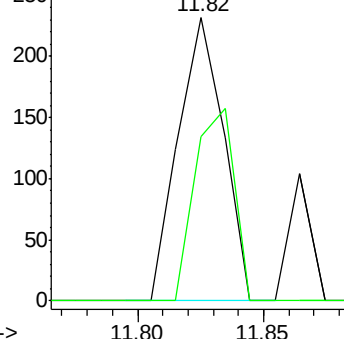
105 100

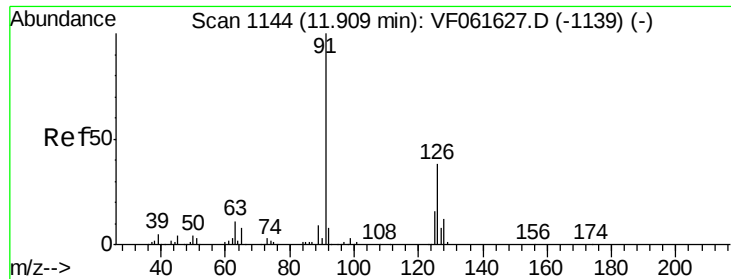
120 58.2 27.9 83.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

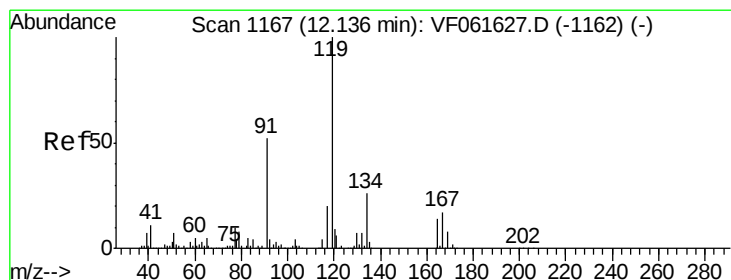
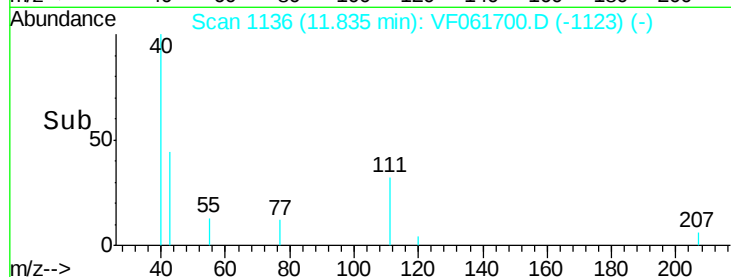
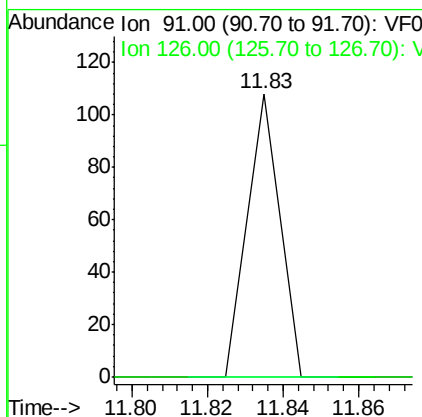
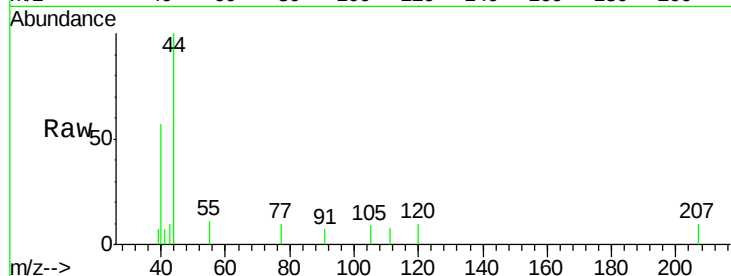




#82
4-Chlorotoluene
Concen: 1.572 ug/l
RT: 11.83 min Scan# 1136
Delta R.T. -0.07 min
Lab File: VF061700.D
Acq: 21 Feb 2019 16:10

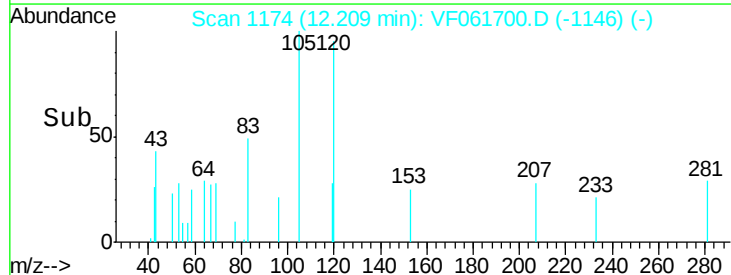
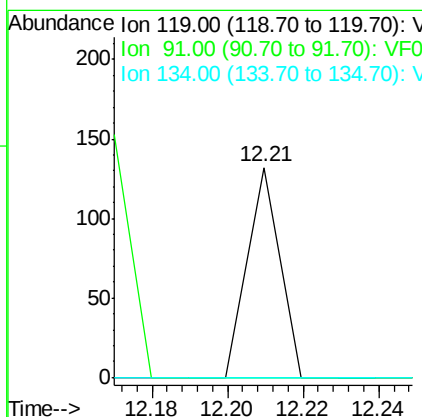
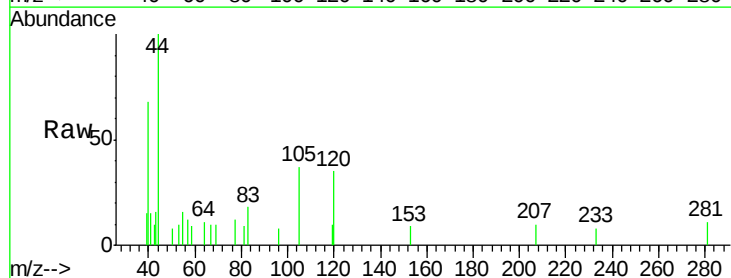
Instrument :
MSVOA_F
ClientSampleId :
NB-07-022019-B

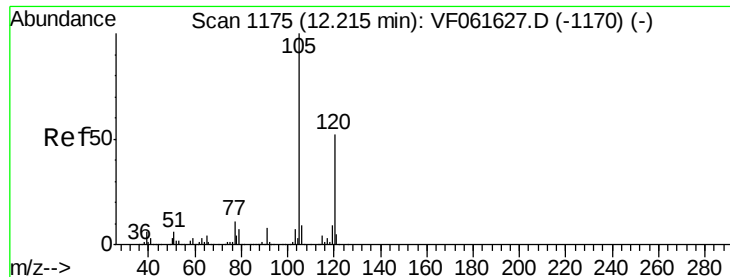
Tot Ion: 91 Resp: 64
Ion Ratio Lower Upper
91 100
126 0.0 19.1 57.1#



#83
tert-Butylbenzene
Concen: 1.444 ug/l
RT: 12.21 min Scan# 1174
Delta R.T. 0.07 min
Lab File: VF061700.D
Acq: 21 Feb 2019 16:10

Tgt Ion: 119 Resp: 78
Ion Ratio Lower Upper
119 100
91 0.0 26.3 78.8#
134 0.0 12.9 38.7#





#84

1,2,4-Trimethylbenzene

Concen: 19.856 ug/l

RT: 12.21 min Scan# 1174

Delta R.T. -0.01 min

Lab File: VF061700.D

Acq: 21 Feb 2019 16:10

Instrument :

MSVOA_F

ClientSampleId :

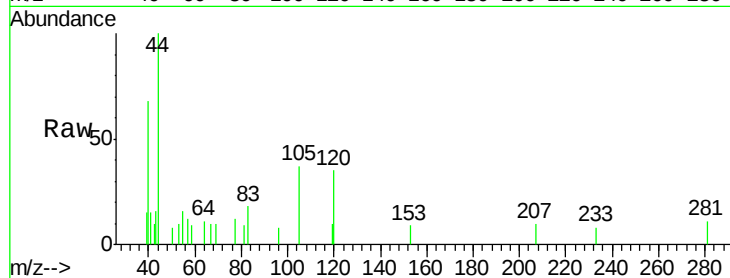
NB-07-022019-B

Tot Ion:105 Resp: 962

Ion Ratio Lower Upper

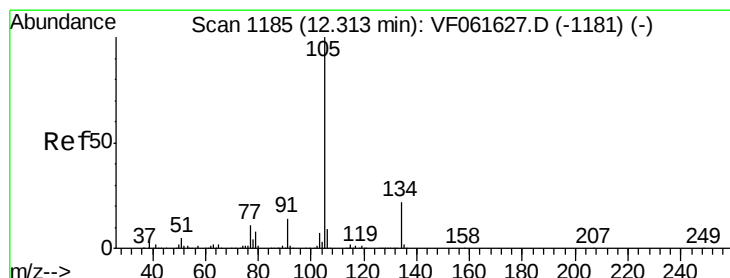
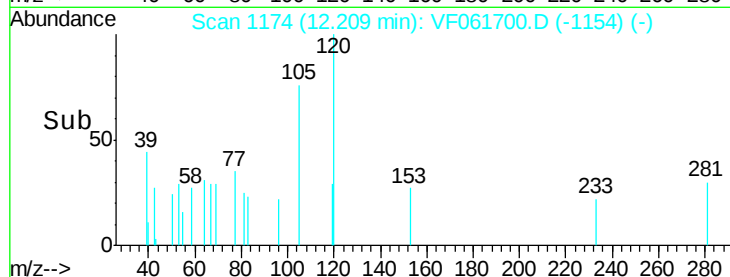
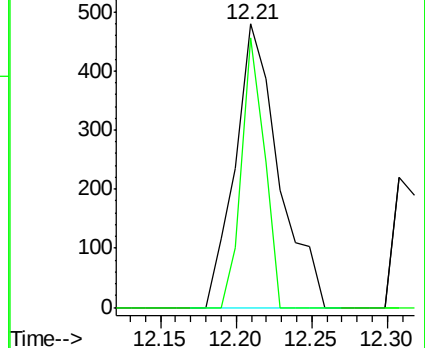
105 100

120 95.0 26.1 78.3#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 3.479 ug/l

RT: 12.31 min Scan# 1184

Delta R.T. -0.01 min

Lab File: VF061700.D

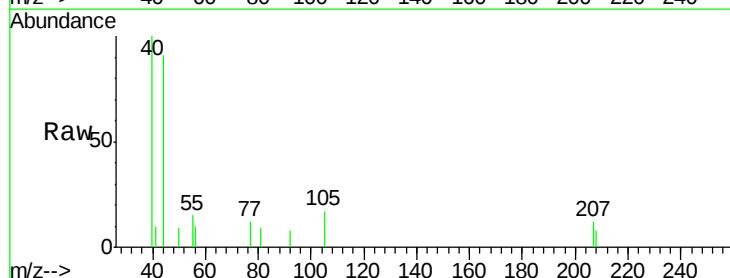
Acq: 21 Feb 2019 16:10

Tgt Ion:105 Resp: 243

Ion Ratio Lower Upper

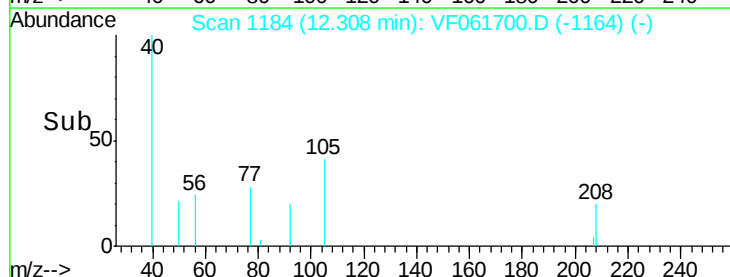
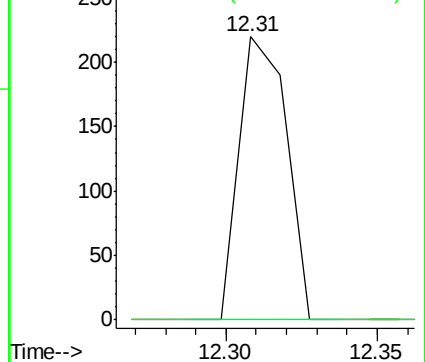
105 100

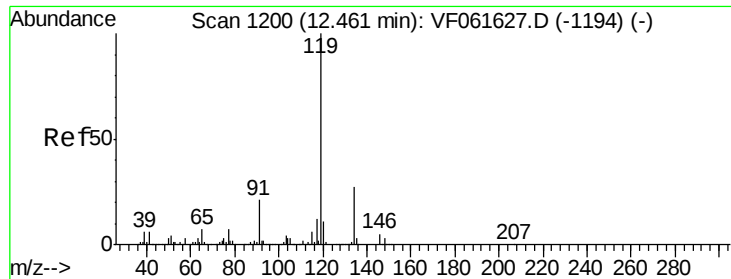
134 0.0 10.8 32.4#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

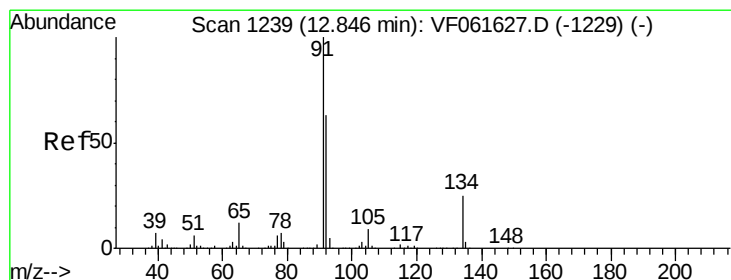
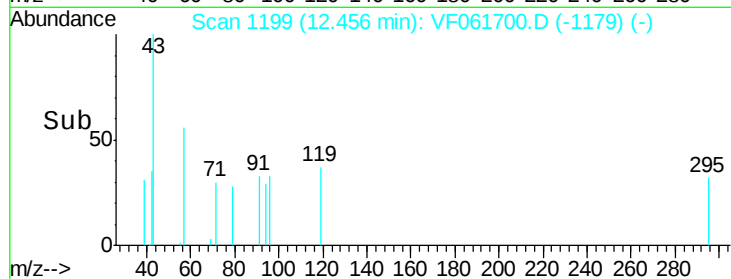
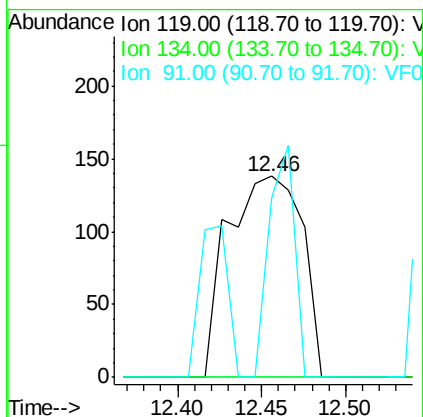
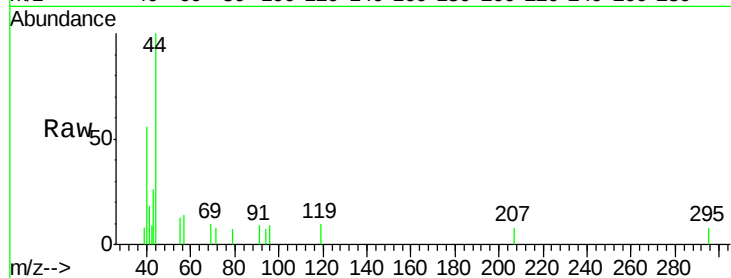




#86
 p-Isopropyltoluene
 Concen: 7.199 ug/l
 RT: 12.46 min Scan# 1199
 Delta R.T. -0.01 min
 Lab File: VF061700.D
 Acq: 21 Feb 2019 16:10

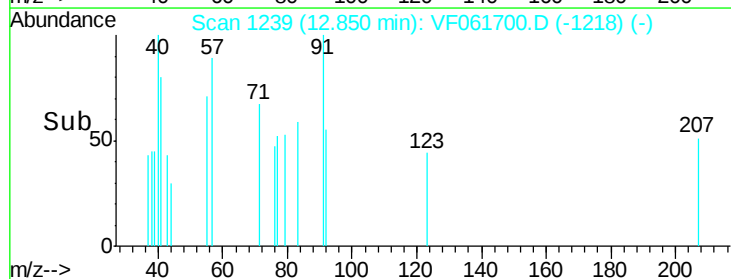
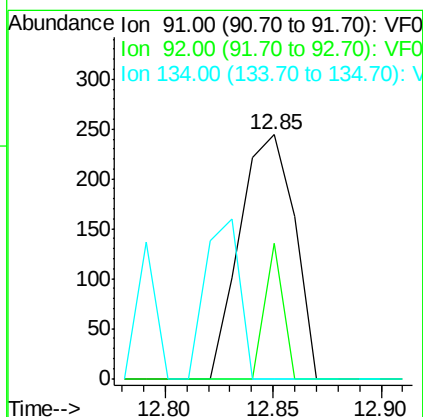
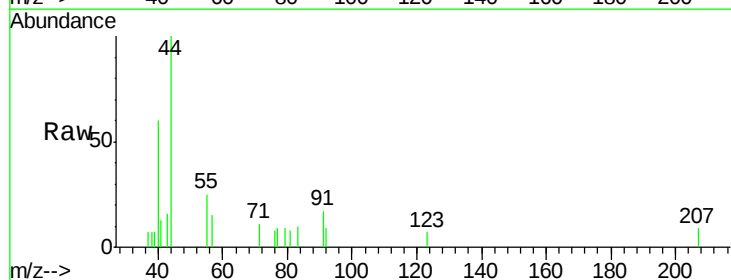
Instrument :
 MSVOA_F
 ClientSampleId :
 NB-07-022019-B

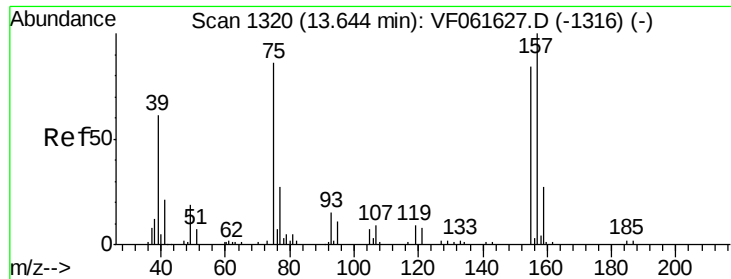
Tot Ion:119 Resp: 422
 Ion Ratio Lower Upper
 119 100
 134 0.0 13.7 41.1#
 91 89.1 10.8 32.4#



#89
 n-Butylbenzene
 Concen: 7.786 ug/l
 RT: 12.85 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VF061700.D
 Acq: 21 Feb 2019 16:10

Tgt Ion: 91 Resp: 431
 Ion Ratio Lower Upper
 91 100
 92 55.3 31.4 94.3
 134 0.0 12.3 36.9#





#92

1,2-Dibromo-3-Chloropropane

Concen: 49.044 ug/l

RT: 13.68 min Scan# 1323

Delta R.T. 0.03 min

Lab File: VF061700.D

Acq: 21 Feb 2019 16:10

Instrument :

MSVOA_F

ClientSampleId :

NB-07-022019-B

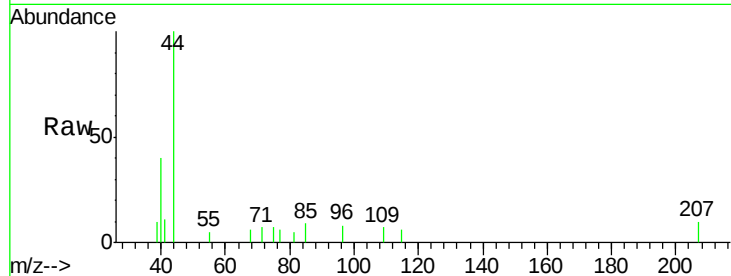
Tot Ion: 75 Resp: 85

Ion Ratio Lower Upper

75 100

155 0.0 48.9 146.8#

157 0.0 58.3 174.8#

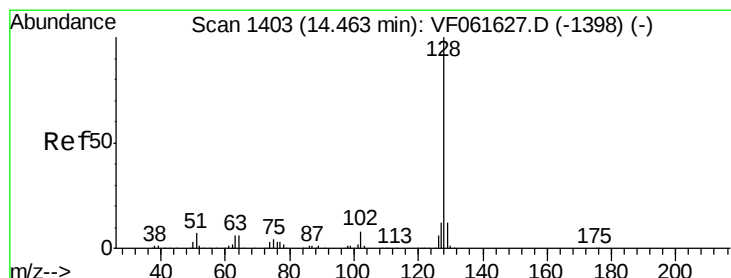
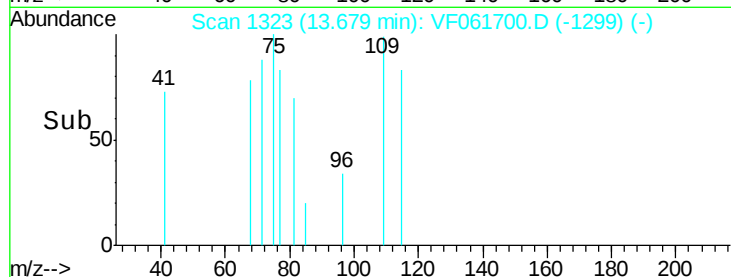
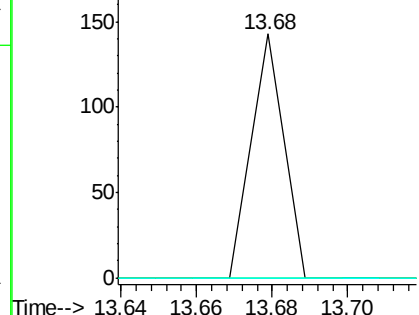


Abundance Ion 75.00 (74.70 to 75.70): VF061700.D (-1299) (-)

Ion 155.00 (154.70 to 155.70): VF061700.D (-1299) (-)

Ion 157.00 (156.70 to 157.70): VF061700.D (-1299) (-)

13.68



#95

Naphthalene

Concen: 2.083 ug/l

RT: 14.46 min Scan# 1402

Delta R.T. -0.01 min

Lab File: VF061700.D

Acq: 21 Feb 2019 16:10

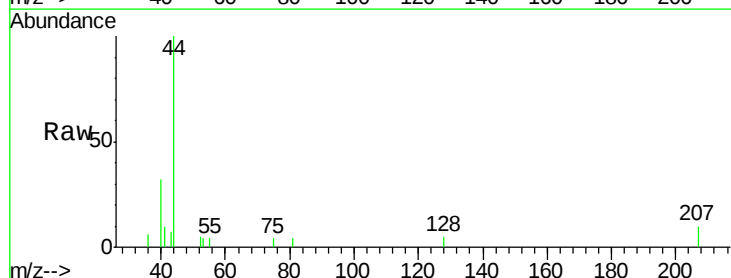
Tgt Ion: 128 Resp: 73

Ion Ratio Lower Upper

128 100

127 0.0 9.8 14.6#

129 0.0 9.4 14.2#



Abundance Ion 128.00 (127.70 to 128.70): VF061700.D (-1382) (-)

Ion 127.00 (126.70 to 127.70): VF061700.D (-1382) (-)

Ion 129.00 (128.70 to 129.70): VF061700.D (-1382) (-)

14.46

