

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF122218\
 Data File : VF061151.D
 Acq On : 22 Dec 2018 18:23
 Operator : VA/AP
 Sample : J6191-03RE
 Misc : 7.45g/5mL/MSVOA-F/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 NB-07-122018-BRE

Quant Time: Dec 24 02:58:15 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F121918S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 00:56:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.90	168	4869	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	5.61	114	4761	50.00	ug/l	0.02
63) Chlorobenzene-d5	9.80	117	3405	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.57	152	459	50.00	ug/l	0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.87	65	686	10.95	ug/l	0.03
Spiked Amount	50.000		Recovery	=	21.90%	
35) Dibromofluoromethane	4.14	113	1007	26.40	ug/l	0.03
Spiked Amount	50.000		Recovery	=	52.80%	
50) Toluene-d8	7.57	98	4818	44.58	ug/l	0.01
Spiked Amount	50.000		Recovery	=	89.16%	
62) 4-Bromofluorobenzene	11.42	95	1047	21.01	ug/l	0.01
Spiked Amount	50.000		Recovery	=	42.02%	

Target Compounds

						Qvalue
3) Chloromethane	1.09	50	189	3.048	ug/l #	42
5) Bromomethane	1.33	94	735	18.425	ug/l #	3
6) Chloroethane	1.38	64	82	3.094	ug/l #	14
8) Diethyl Ether	1.74	74	83	5.519	ug/l	50
12) 1,1-Dichloroethene	1.80	96	63	1.468	ug/l #	1
13) Acrolein	1.97	56	291	159.357	ug/l	95
14) Allyl chloride	2.07	41	317	7.097	ug/l #	72
15) Acrylonitrile	2.97	53	315	53.904	ug/l #	20
16) Acetone	2.23	43	563	44.971	ug/l #	66
18) Methyl Acetate	2.35	43	418	16.138	ug/l #	66
19) Methyl tert-butyl Ether	2.39	73	173	1.816	ug/l #	1
20) Methylene Chloride	2.18	84	65	Below Cal	#	1
21) trans-1,2-Dichloroethene	2.30	96	67	1.460	ug/l #	1
22) Diisopropyl ether	2.83	45	286	1.922	ug/l #	1
23) Vinyl Acetate	3.25	43	220	3.205	ug/l #	78
25) 2-Butanone	4.35	43	160	7.880	ug/l #	57
26) 2,2-Dichloropropane	3.58	77	66	1.305	ug/l #	62
29) Tetrahydrofuran	4.09	42	71	8.592	ug/l #	37
37) Ethyl Acetate	4.12	43	508	20.534	ug/l #	21
41) Methacrylonitrile	4.79	41	347	28.591	ug/l #	27
43) Isopropyl Acetate	7.01	43	277	9.982	ug/l #	45
45) 1,2-Dichloropropane	6.14	63	131	3.896	ug/l #	44
47) Bromodichloromethane	6.52	83	64	1.129	ug/l #	24
48) Methyl methacrylate	6.75	41	141	7.279	ug/l #	26
51) 4-Methyl-2-Pentanone	8.30	43	234	12.296	ug/l #	38
52) Toluene	7.66	92	223	2.726	ug/l #	1
53) t-1,3-Dichloropropene	8.39	75	60	1.313	ug/l #	42
54) cis-1,3-Dichloropropene	7.45	75	65	1.133	ug/l #	27
58) 2-Chloroethyl Vinyl ether	7.44	63	68	13.342	ug/l #	50
59) 2-Hexanone	9.53	43	127	9.228	ug/l #	27
60) Dibromochloromethane	8.87	129	65	1.849	ug/l #	13
69) o-Xylene	10.55	106	72	1.439	ug/l #	1
74) N-amyl acetate	11.36	43	185	21.066	ug/l #	46
76) 1,2,3-Trichloropropane	11.63	75	69	14.124	ug/l #	39

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Quant Title : SW846 8260
QLast Update : Thu Dec 20 00:56:59 2018
Response via : Initial Calibration

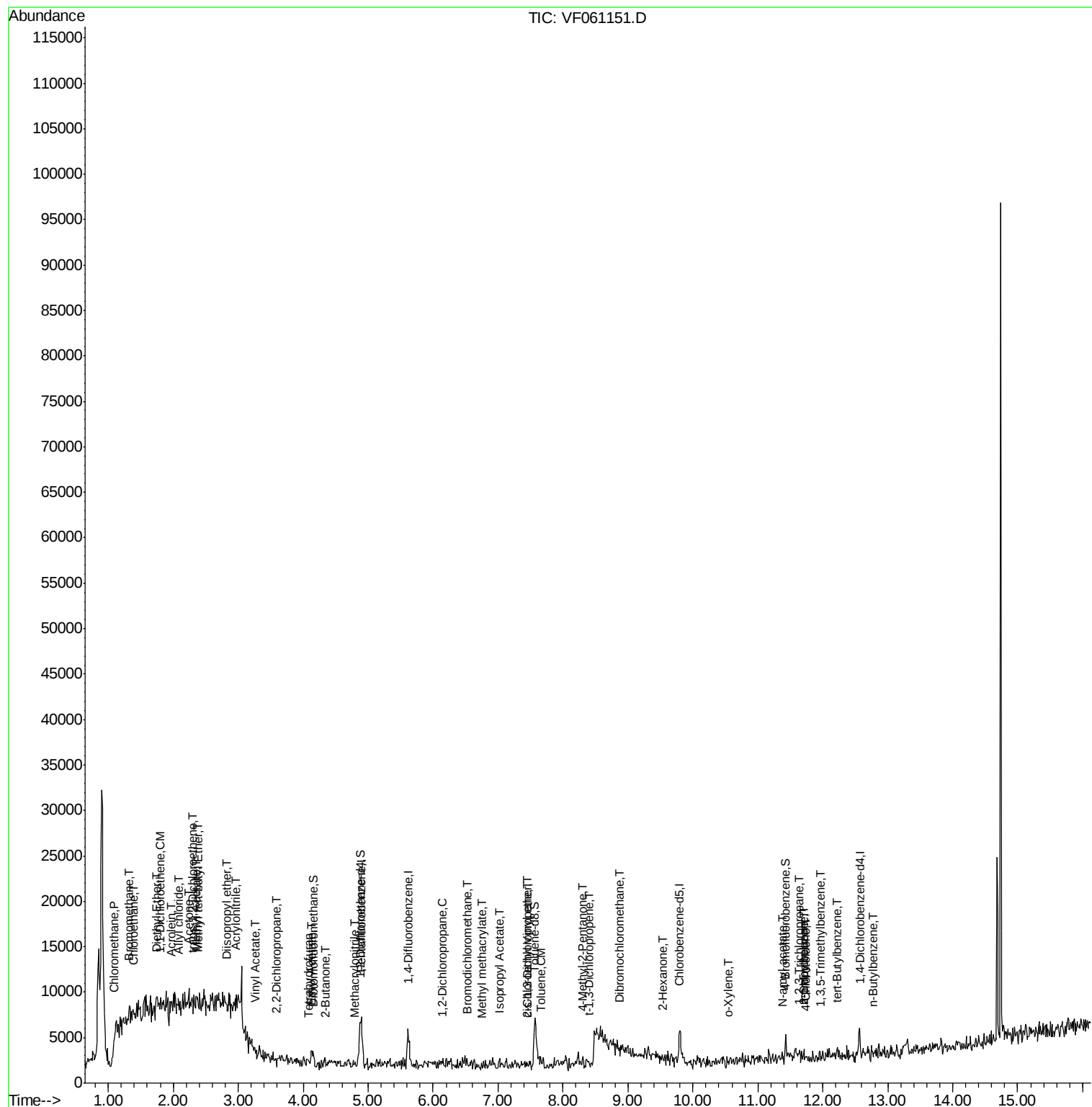
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
78) n-propylbenzene	11.72	91	65	1.046	ug/l #	55
79) 2-Chlorotoluene	11.72	91	65	2.395	ug/l #	42
80) 1,3,5-Trimethylbenzene	11.96	105	67	2.057	ug/l #	27
82) 4-Chlorotoluene	11.75	91	63	2.244	ug/l #	43
83) tert-Butylbenzene	12.22	119	80	2.387	ug/l #	29
89) n-Butylbenzene	12.77	91	95	2.403	ug/l #	26

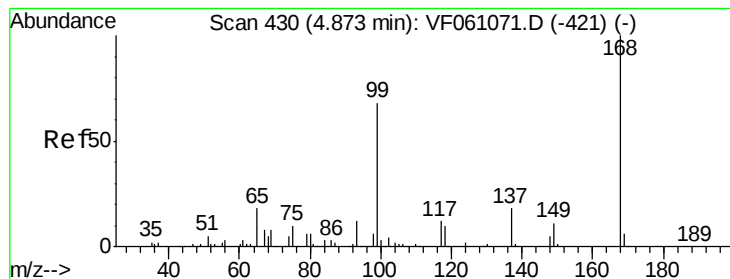
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.90 min Scan# 433

Delta R.T. 0.03 min

Lab File: VF061151.D

Acq: 22 Dec 2018 18:23

Instrument :

MSVOA_F

ClientSampleId :

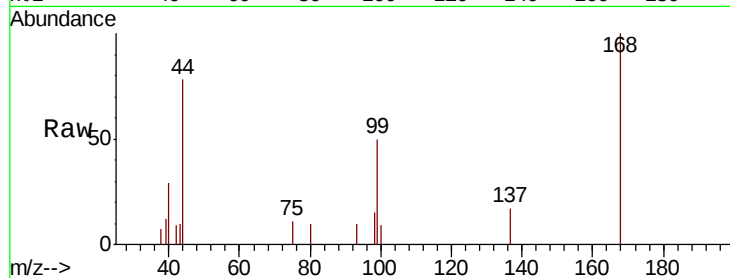
NB-07-122018-BRE

Tot Ion:168 Resp: 4869

Ion Ratio Lower Upper

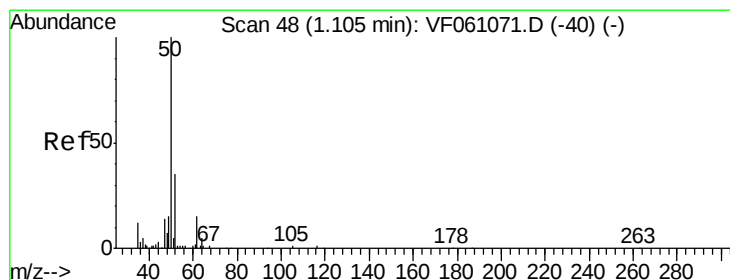
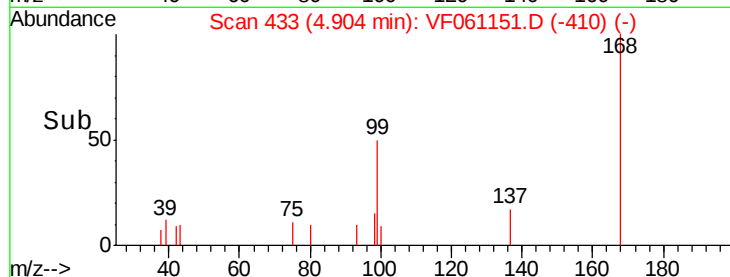
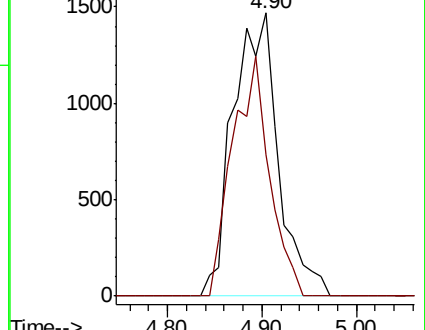
168 100

99 49.9 54.4 81.6#



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#3

Chloromethane

Concen: 3.048 ug/l

RT: 1.09 min Scan# 46

Delta R.T. -0.02 min

Lab File: VF061151.D

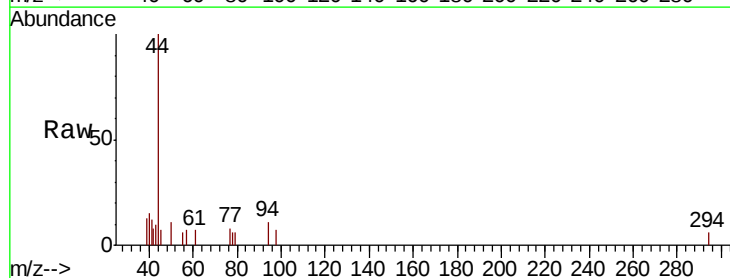
Acq: 22 Dec 2018 18:23

Tgt Ion: 50 Resp: 189

Ion Ratio Lower Upper

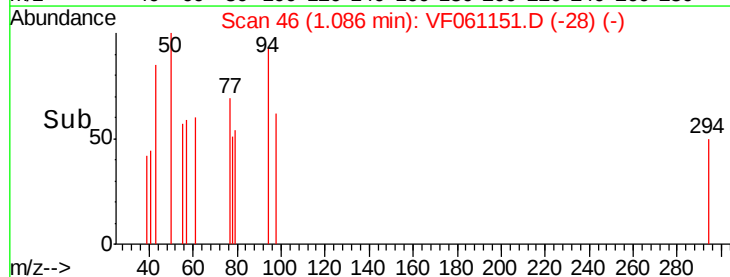
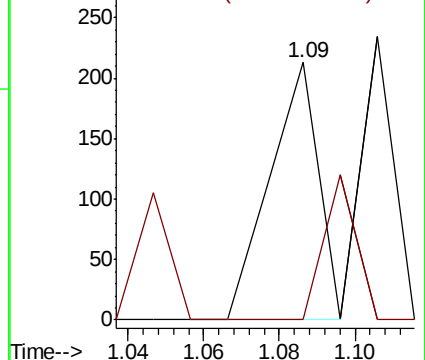
50 100

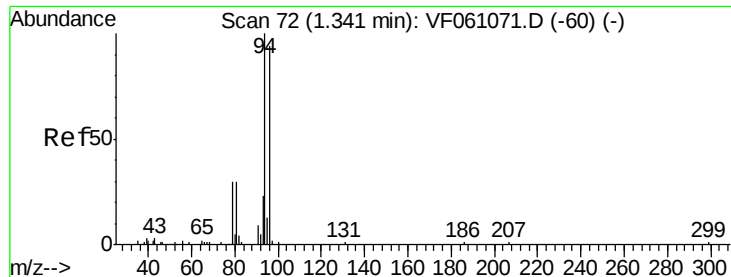
52 0.0 26.3 39.5#



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0





#5

Bromomethane

Concen: 18.425 ug/l

RT: 1.33 min Scan# 71

Delta R.T. -0.01 min

Lab File: VF061151.D

Acq: 22 Dec 2018 18:23

Instrument :

MSVOA_F

ClientSampleId :

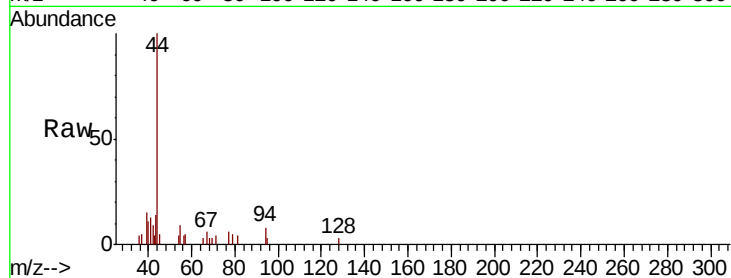
NB-07-122018-BRE

Tot Ion: 94 Resp: 735

Ion Ratio Lower Upper

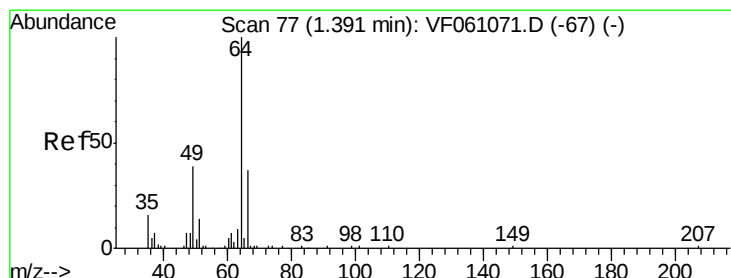
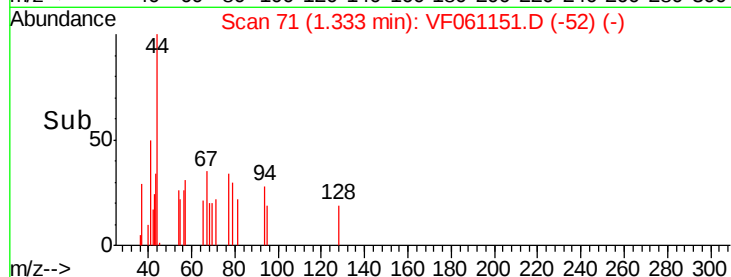
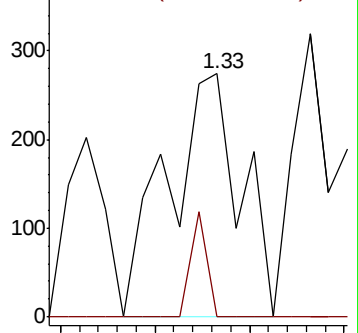
94 100

96 0.0 74.4 111.6#



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 3.094 ug/l

RT: 1.38 min Scan# 76

Delta R.T. -0.01 min

Lab File: VF061151.D

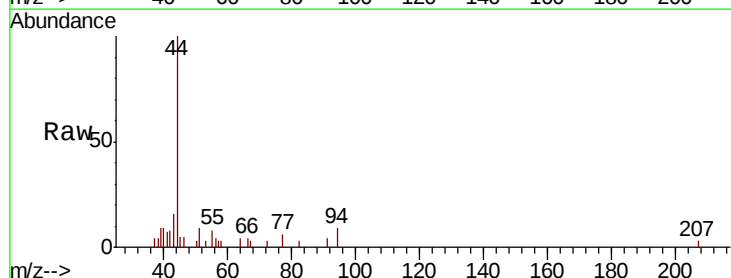
Acq: 22 Dec 2018 18:23

Tgt Ion: 64 Resp: 82

Ion Ratio Lower Upper

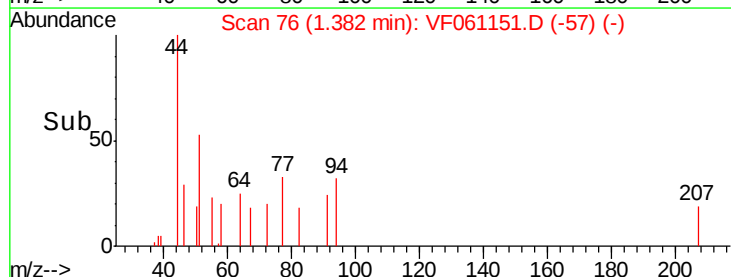
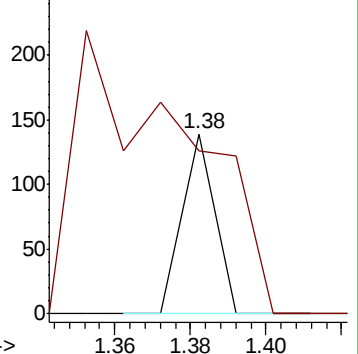
64 100

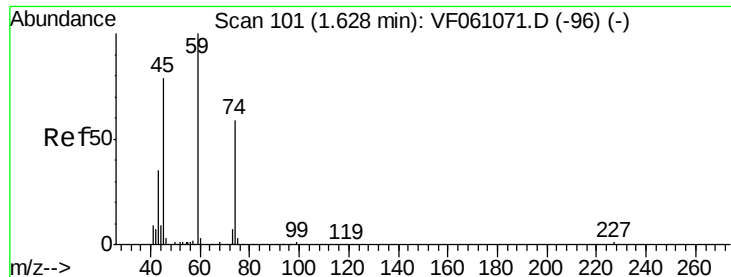
66 90.6 30.9 46.3#



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0





#8

Diethyl Ether

Concen: 5.519 ug/l

RT: 1.74 min Scan# 112

Delta R.T. 0.11 min

Lab File: VF061151.D

Acq: 22 Dec 2018 18:23

Instrument :

MSVOA_F

ClientSampleId :

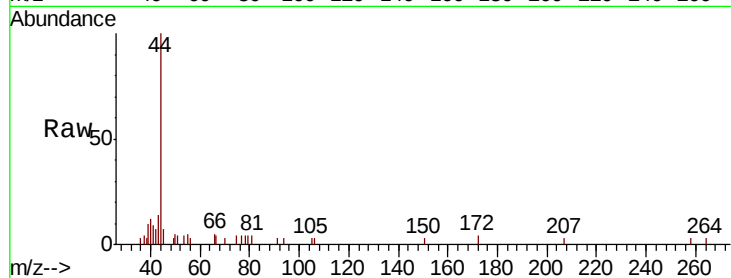
NB-07-122018-BRE

Tot Ion: 74 Resp: 83

Ion Ratio Lower Upper

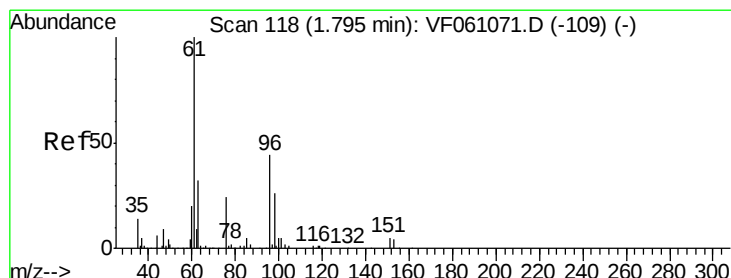
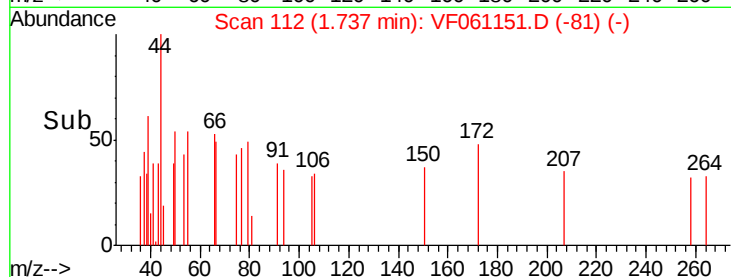
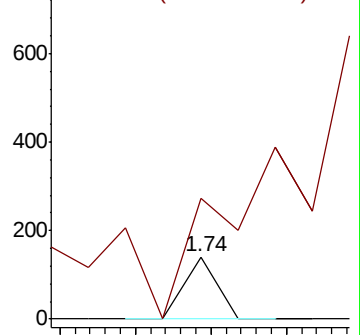
74 100

45 195.7 67.8 203.4



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0



#12

1,1-Dichloroethene

Concen: 1.468 ug/l

RT: 1.80 min Scan# 118

Delta R.T. 0.00 min

Lab File: VF061151.D

Acq: 22 Dec 2018 18:23

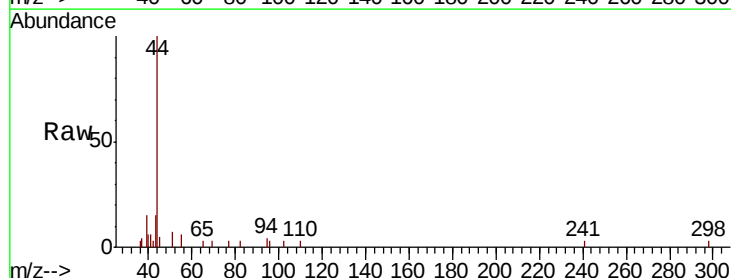
Tgt Ion: 96 Resp: 63

Ion Ratio Lower Upper

96 100

61 0.0 182.0 273.0#

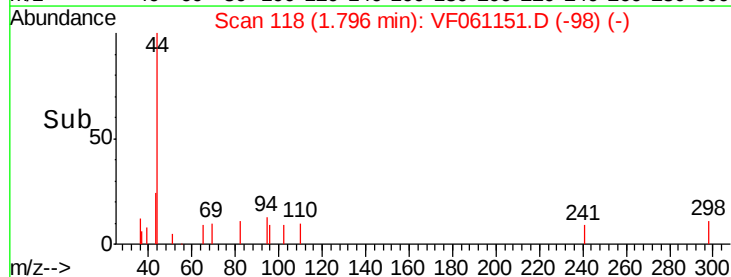
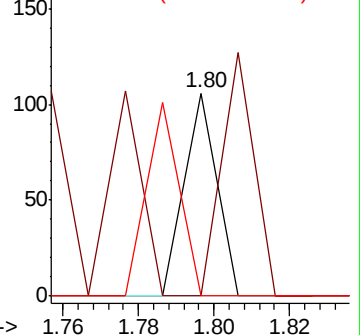
98 0.0 46.5 69.7#

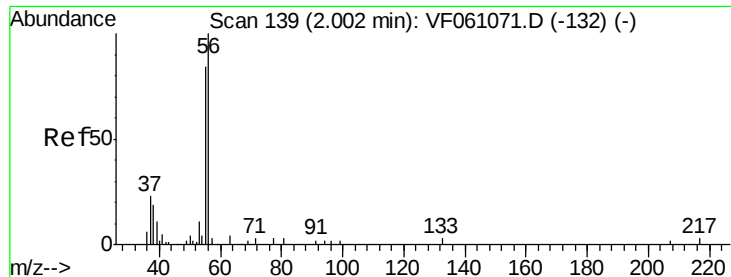


Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#13

Acrolein

Concen: 159.357 ug/l

RT: 1.97 min Scan# 136

Delta R.T. -0.03 min

Lab File: VF061151.D

Acq: 22 Dec 2018 18:23

Instrument :

MSVOA_F

ClientSampleId :

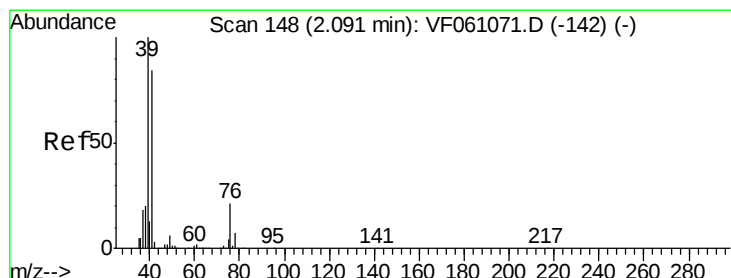
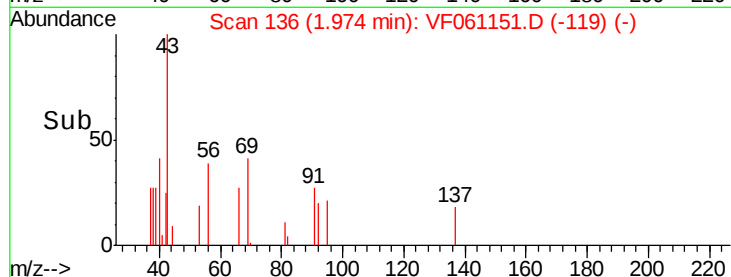
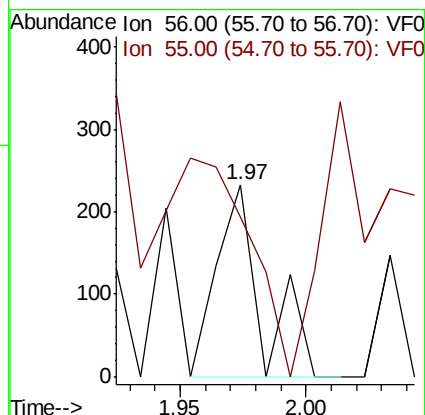
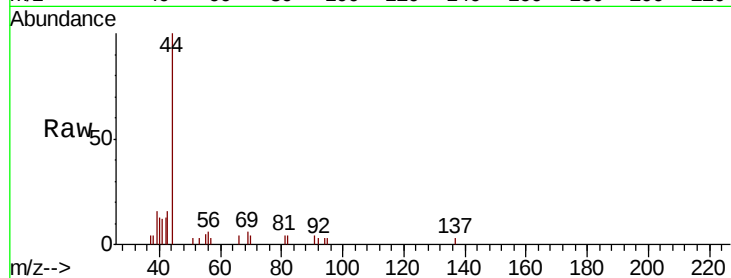
NB-07-122018-BRE

Tot Ion: 56 Resp: 291

Ion Ratio Lower Upper

56 100

55 83.3 70.2 105.2



#14

Allyl chloride

Concen: 7.097 ug/l

RT: 2.07 min Scan# 146

Delta R.T. -0.02 min

Lab File: VF061151.D

Acq: 22 Dec 2018 18:23

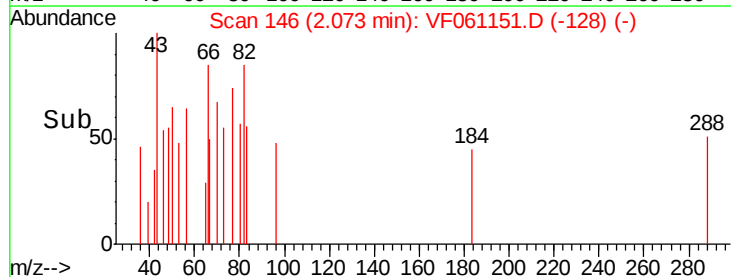
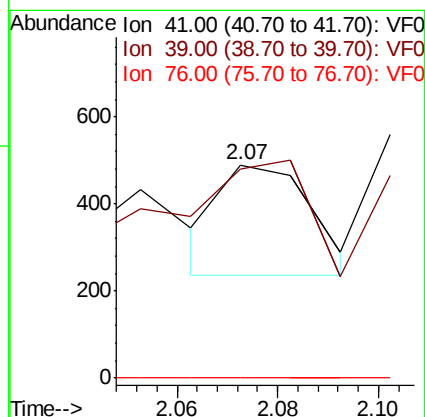
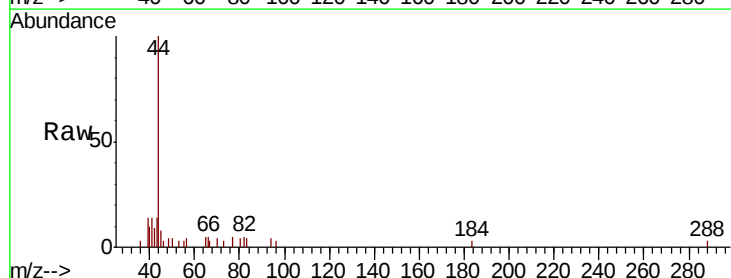
Tgt Ion: 41 Resp: 317

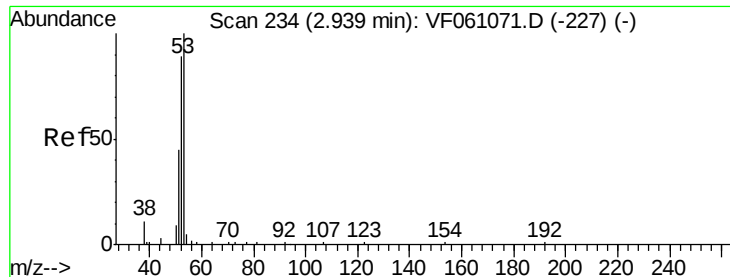
Ion Ratio Lower Upper

41 100

39 98.0 96.4 144.6

76 0.0 25.4 38.0#





#15

Acrylonitrile

Concen: 53.904 ug/l

RT: 2.97 min Scan# 237

Delta R.T. 0.03 min

Lab File: VF061151.D

Acq: 22 Dec 2018 18:23

Instrument :

MSVOA_F

ClientSampleId :

NB-07-122018-BRE

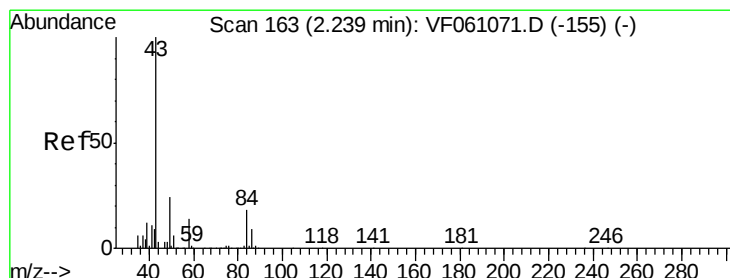
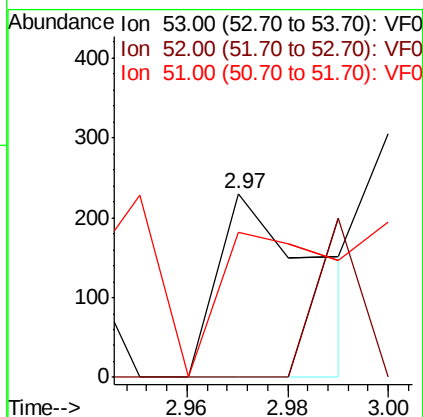
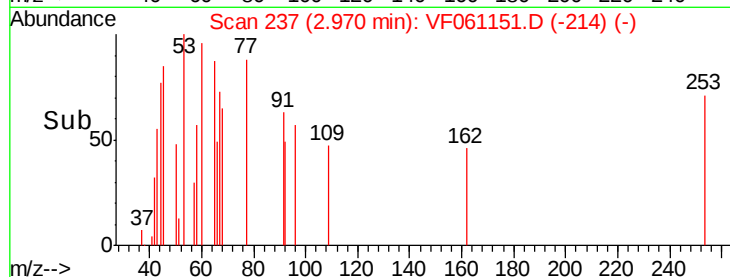
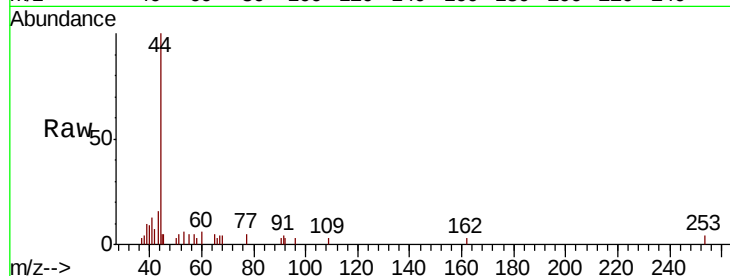
Tot Ion: 53 Resp: 315

Ion Ratio Lower Upper

53 100

52 0.0 71.3 106.9#

51 78.7 36.8 55.2#



#16

Acetone

Concen: 44.971 ug/l

RT: 2.23 min Scan# 162

Delta R.T. -0.01 min

Lab File: VF061151.D

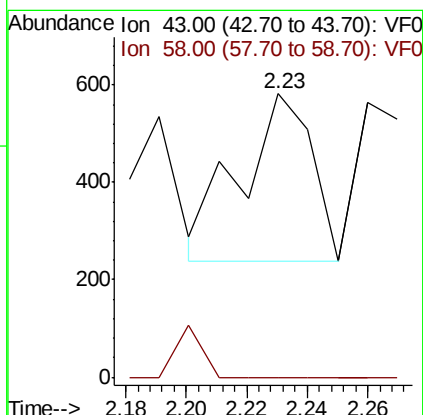
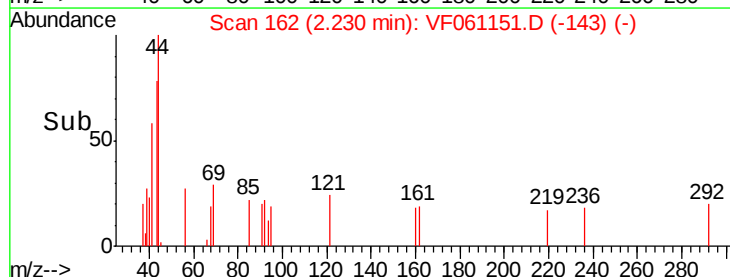
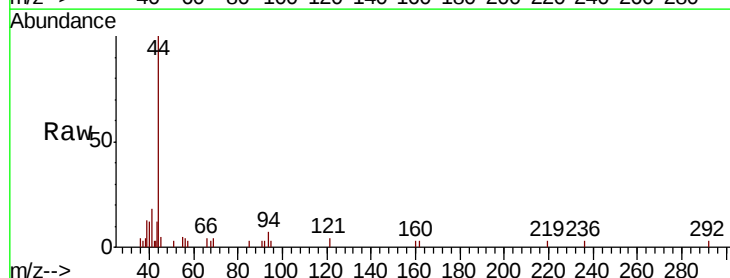
Acq: 22 Dec 2018 18:23

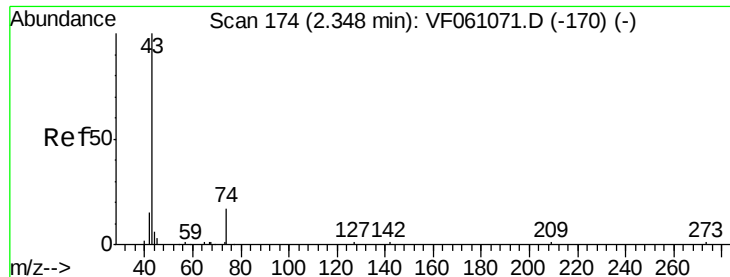
Tgt Ion: 43 Resp: 563

Ion Ratio Lower Upper

43 100

58 0.0 11.1 16.7#

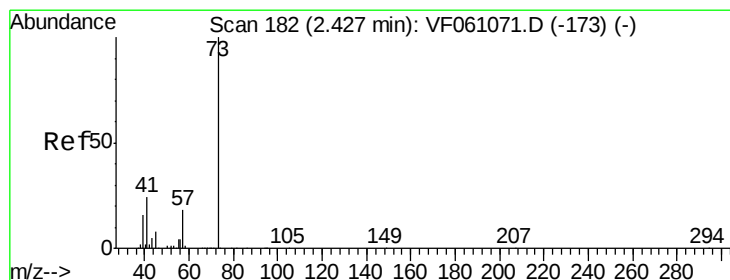
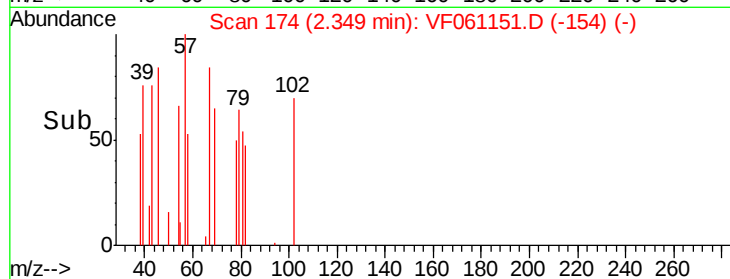
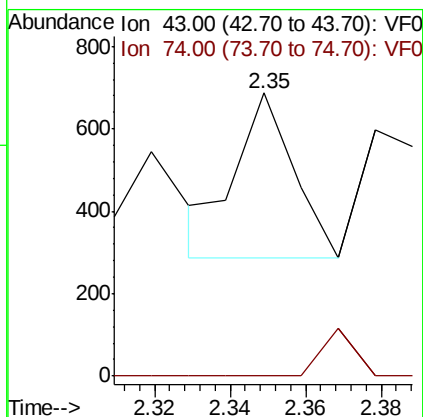
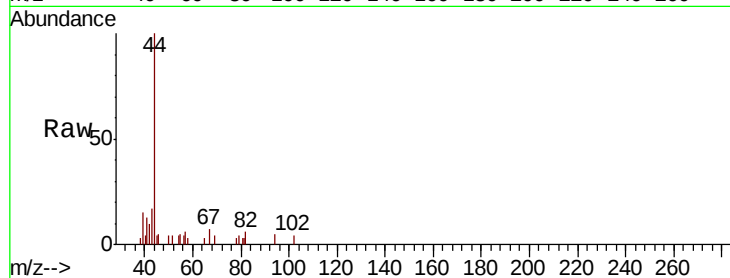




#18
Methyl Acetate
Concen: 16.138 ug/l
RT: 2.35 min Scan# 174
Delta R.T. 0.00 min
Lab File: VF061151.D
Acq: 22 Dec 2018 18:23

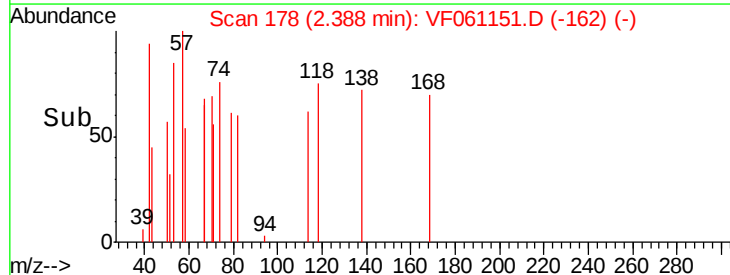
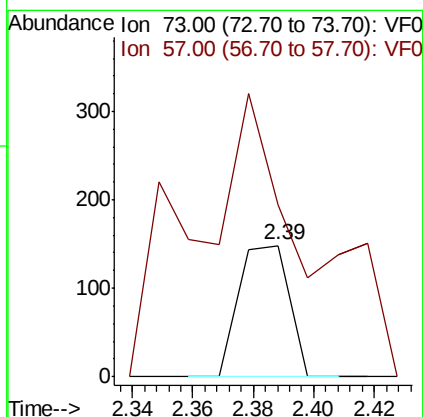
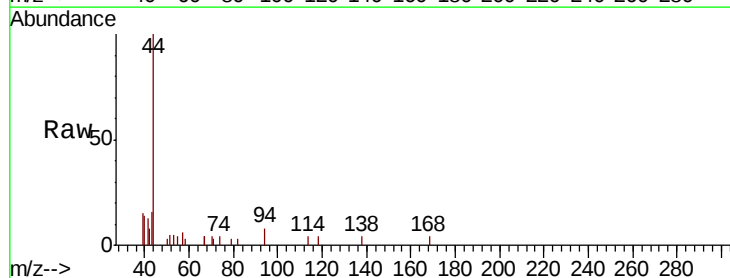
Instrument :
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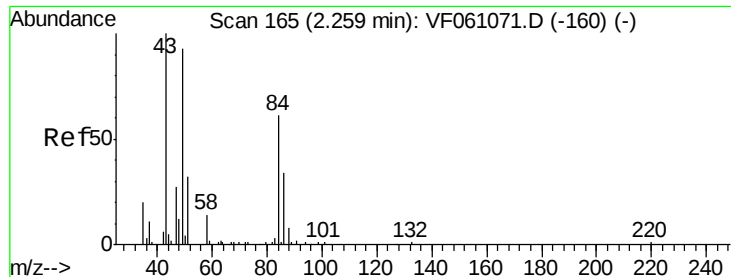
Tot Ion: 43 Resp: 418
Ion Ratio Lower Upper
43 100
74 0.0 11.0 16.6#



#19
Methyl tert-butyl Ether
Concen: 1.816 ug/l
RT: 2.39 min Scan# 178
Delta R.T. -0.04 min
Lab File: VF061151.D
Acq: 22 Dec 2018 18:23

Tgt Ion: 73 Resp: 173
Ion Ratio Lower Upper
73 100
57 131.1 14.5 21.7#

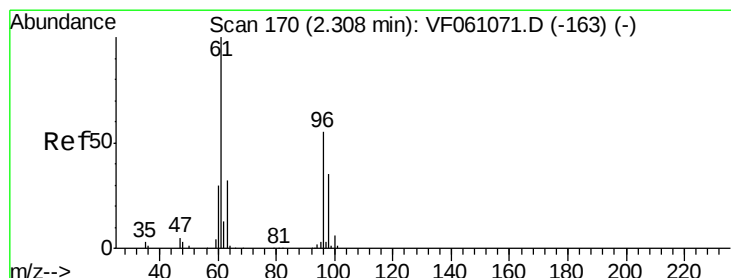
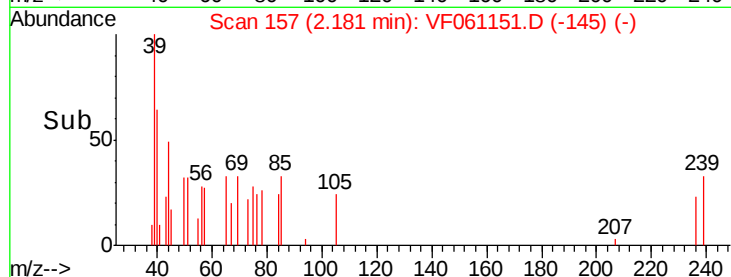
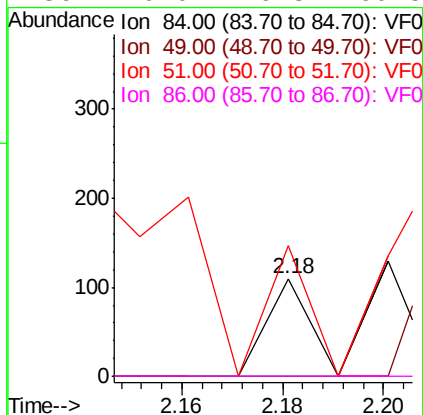
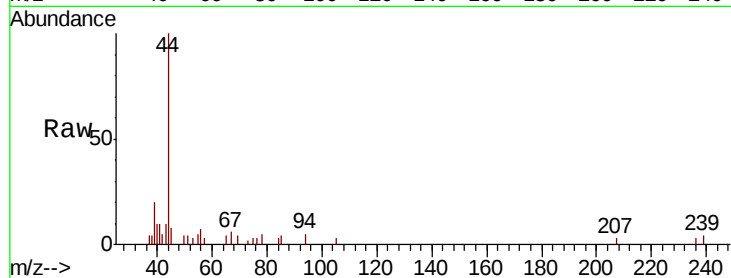




#20
Methylene Chloride
Concen: Below Cal
RT: 2.18 min Scan# 157
Delta R.T. -0.08 min
Lab File: VF061151.D
Acq: 22 Dec 2018 18:23

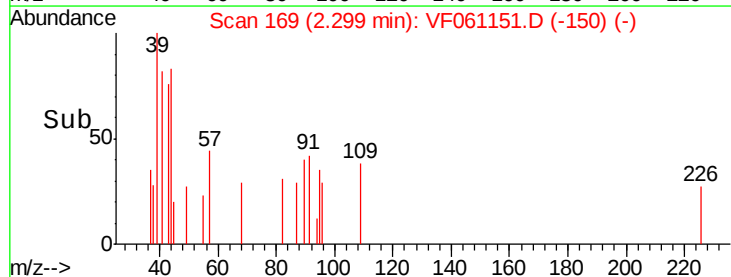
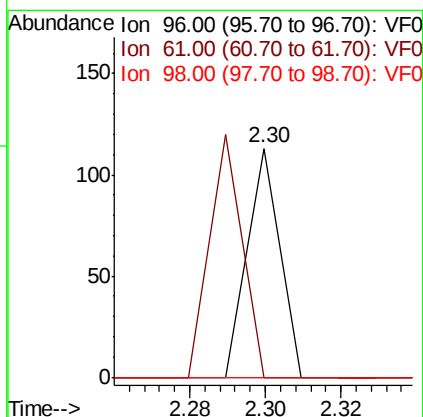
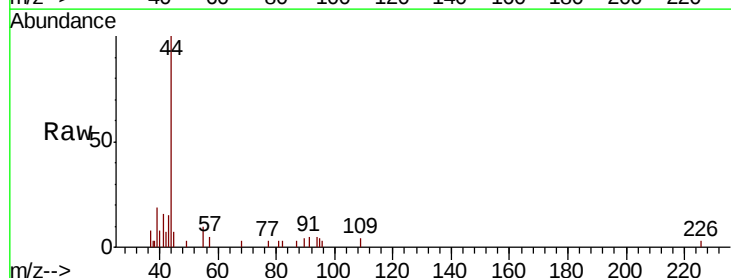
Instrument :
MSVOA_F
ClientSampleId :
NB-07-122018-BRE

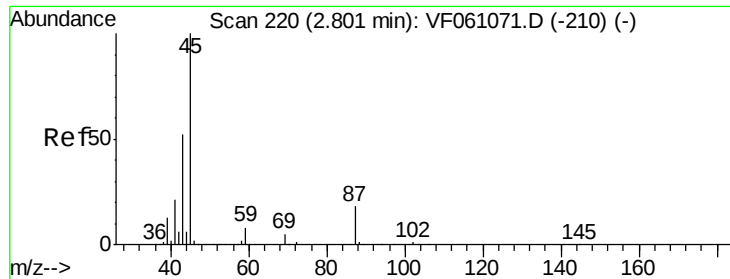
Tot Ion: 84 Resp: 65
Ion Ratio Lower Upper
84 100
49 0.0 129.4 194.2#
51 133.6 44.0 66.0#
86 0.0 46.3 69.5#



#21
trans-1,2-Dichloroethene
Concen: 1.460 ug/l
RT: 2.30 min Scan# 169
Delta R.T. -0.01 min
Lab File: VF061151.D
Acq: 22 Dec 2018 18:23

Tgt Ion: 96 Resp: 67
Ion Ratio Lower Upper
96 100
61 0.0 146.0 219.0#
98 0.0 51.6 77.4#





#22

Diisopropyl ether

Concen: 1.922 ug/l

RT: 2.83 min Scan# 223

Delta R.T. 0.03 min

Lab File: VF061151.D

Acq: 22 Dec 2018 18:23

Instrument :

MSVOA_F

ClientSampleId :

NB-07-122018-BRE

Tot Ion: 45 Resp: 286

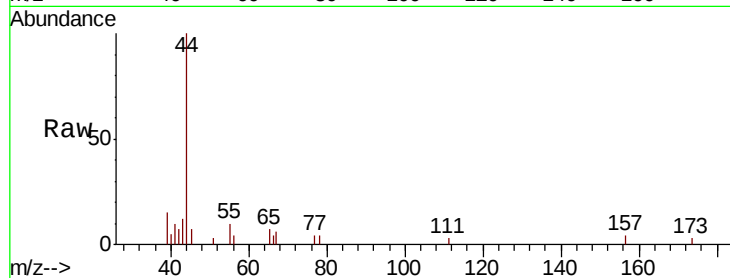
Ion Ratio Lower Upper

45 100

43 171.1 42.2 63.2#

87 0.0 14.6 22.0#

59 0.0 7.0 10.4#

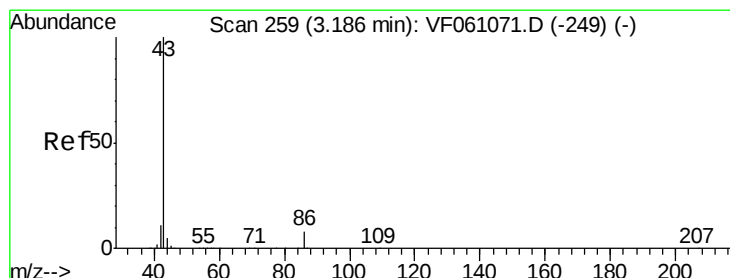
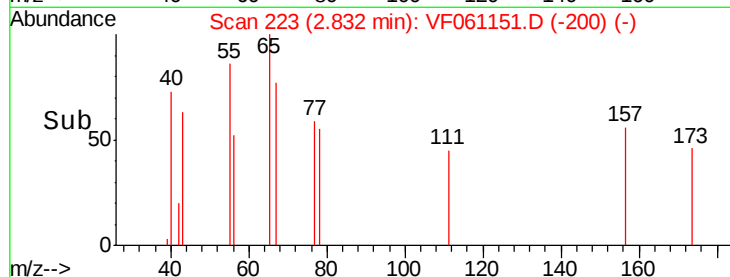
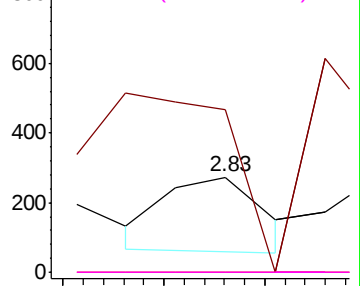


Abundance Ion 45.00 (44.70 to 45.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

Ion 59.00 (58.70 to 59.70): VF0



#23

Vinyl Acetate

Concen: 3.205 ug/l

RT: 3.25 min Scan# 265

Delta R.T. 0.06 min

Lab File: VF061151.D

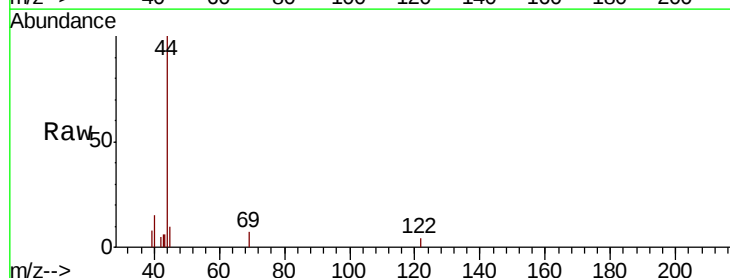
Acq: 22 Dec 2018 18:23

Tgt Ion: 43 Resp: 220

Ion Ratio Lower Upper

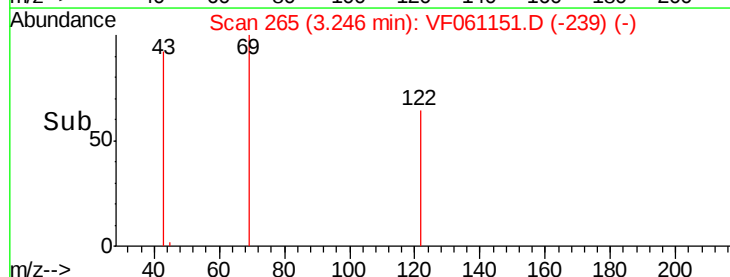
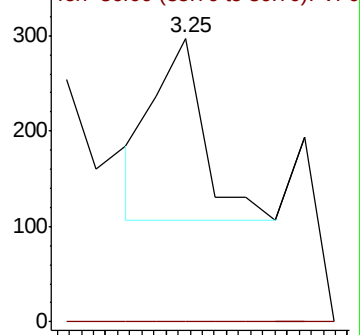
43 100

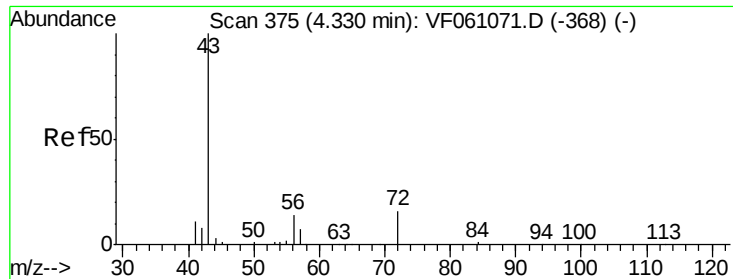
86 0.0 6.3 9.5#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0





#25

2-Butanone

Concen: 7.880 ug/l

RT: 4.35 min Scan# 377

Delta R.T. 0.02 min

Lab File: VF061151.D

Acq: 22 Dec 2018 18:23

Instrument :

MSVOA_F

ClientSampleId :

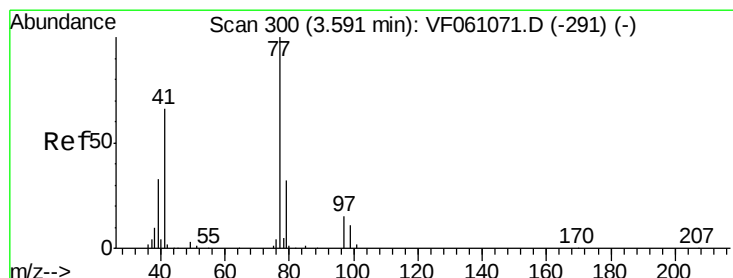
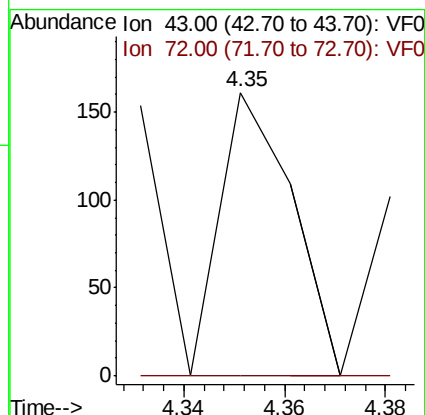
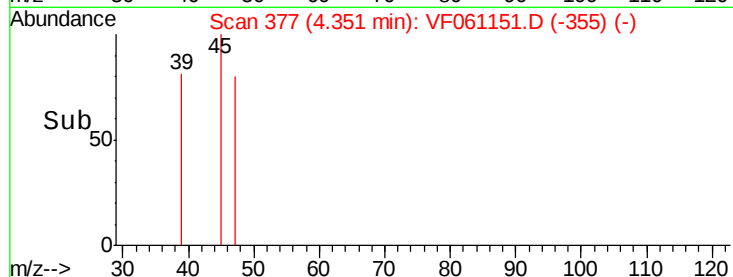
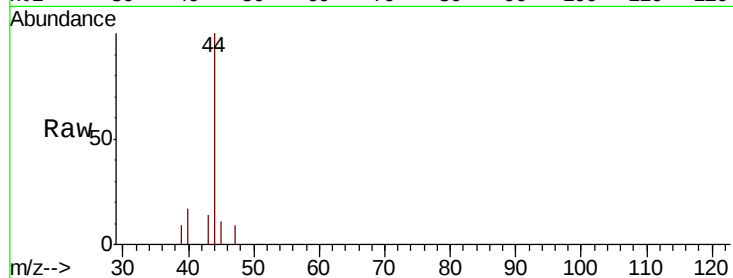
NB-07-122018-BRE

Tot Ion: 43 Resp: 160

Ion Ratio Lower Upper

43 100

72 0.0 15.6 23.4#



#26

2,2-Dichloropropane

Concen: 1.305 ug/l

RT: 3.58 min Scan# 299

Delta R.T. -0.01 min

Lab File: VF061151.D

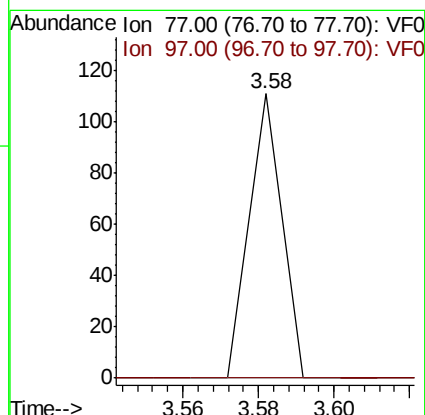
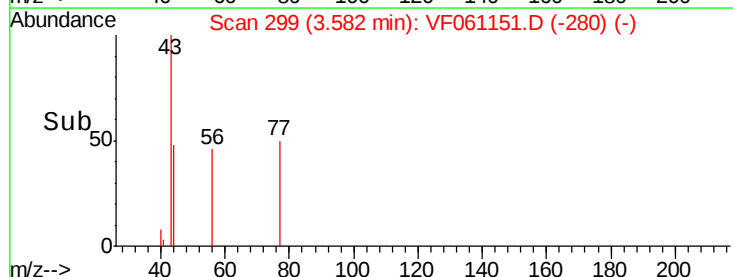
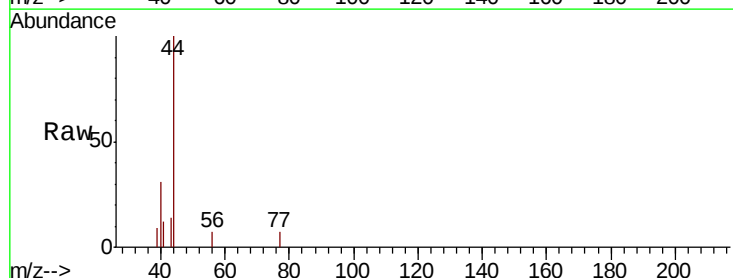
Acq: 22 Dec 2018 18:23

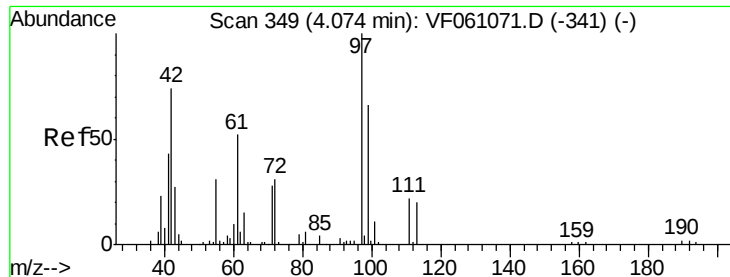
Tgt Ion: 77 Resp: 66

Ion Ratio Lower Upper

77 100

97 0.0 8.2 24.4#





#29

Tetrahydrofuran

Concen: 8.592 ug/l

RT: 4.09 min Scan# 351

Delta R.T. 0.02 min

Lab File: VF061151.D

Acq: 22 Dec 2018 18:23

Instrument :

MSVOA_F

ClientSampleId :

NB-07-122018-BRE

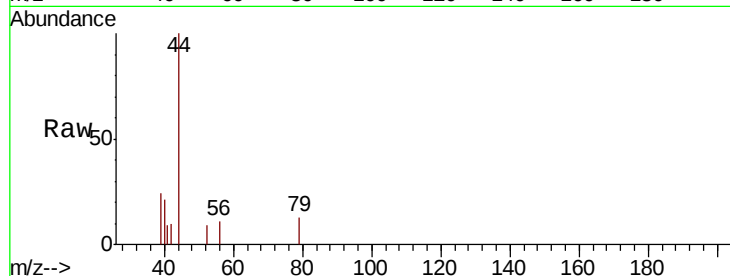
Tot Ion: 42 Resp: 71

Ion Ratio Lower Upper

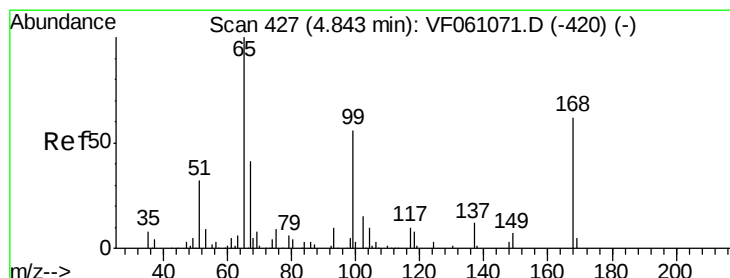
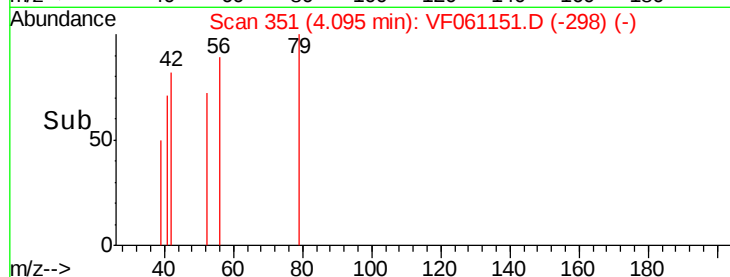
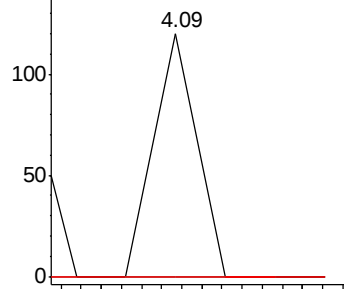
42 100

72 0.0 31.8 47.8#

71 0.0 29.7 44.5#



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



#33

1,2-Dichloroethane-d4

Concen: 10.954 ug/l

RT: 4.87 min Scan# 430

Delta R.T. 0.03 min

Lab File: VF061151.D

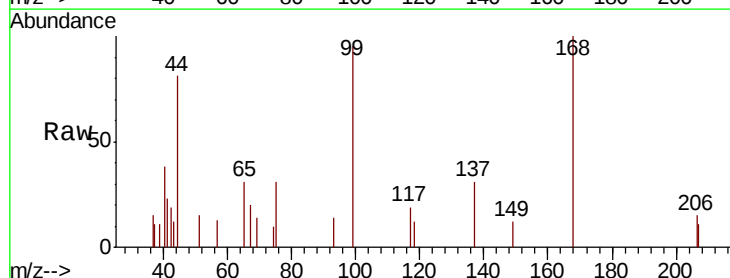
Acq: 22 Dec 2018 18:23

Tgt Ion: 65 Resp: 686

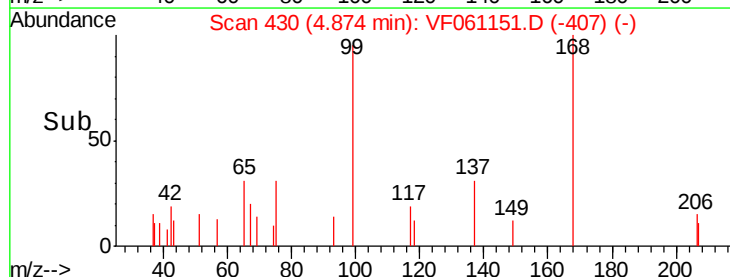
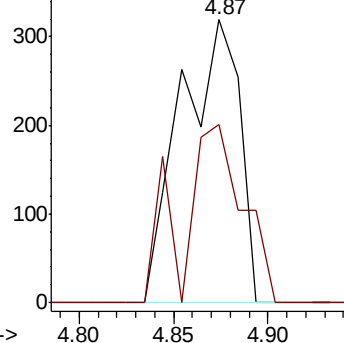
Ion Ratio Lower Upper

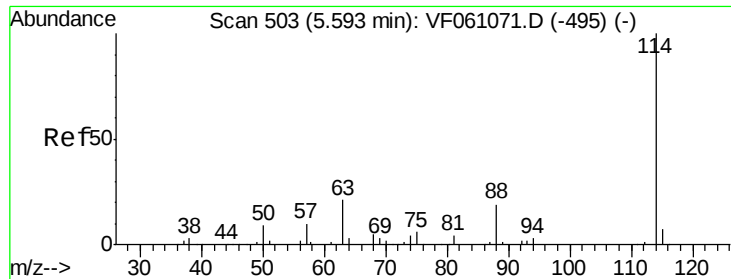
65 100

67 63.0 0.0 94.6



Abundance Ion 65.00 (64.70 to 65.70): VF0
Ion 67.00 (66.70 to 67.70): VF0

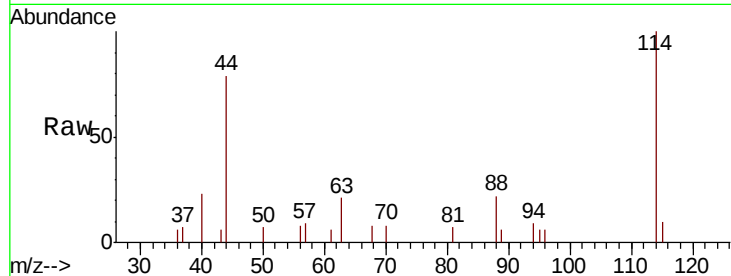




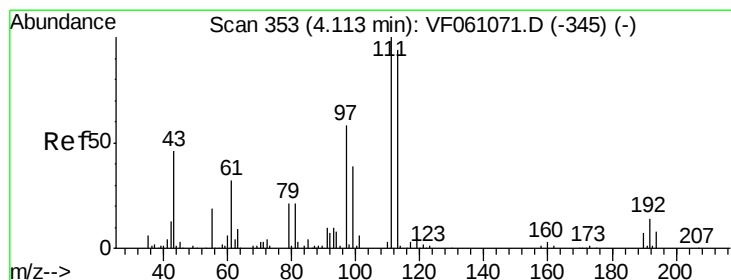
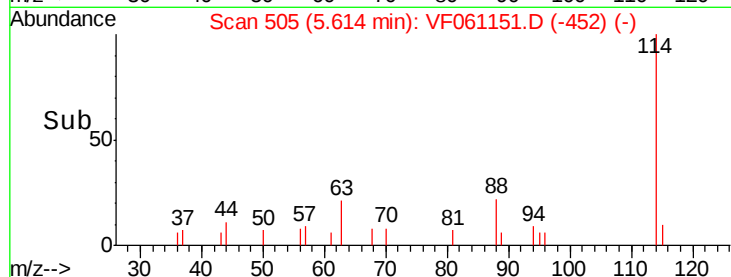
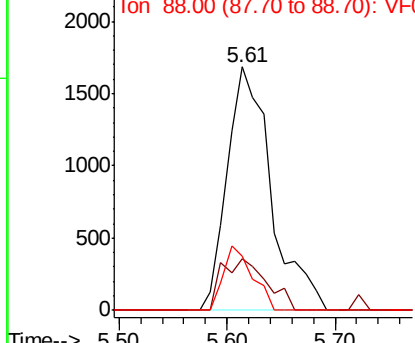
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.61 min Scan# 505
 Delta R.T. 0.02 min
 Lab File: VF061151.D
 Acq: 22 Dec 2018 18:23

Instrument :
 MSVOA_F
 ClientSampleId :
 NB-07-122018-BRE

Tot Ion:114 Resp: 4761
 Ion Ratio Lower Upper
 114 100
 63 21.4 0.0 41.6
 88 22.0 0.0 38.0

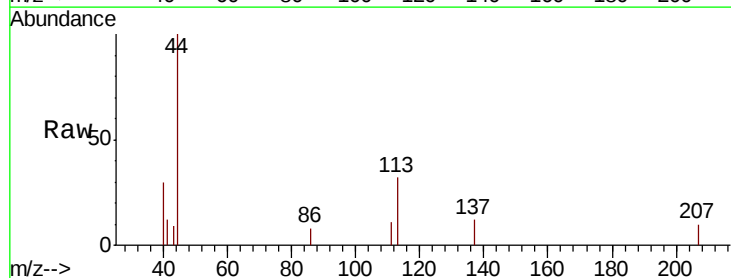


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 63.00 (62.70 to 63.70): VF0
 Ion 88.00 (87.70 to 88.70): VF0

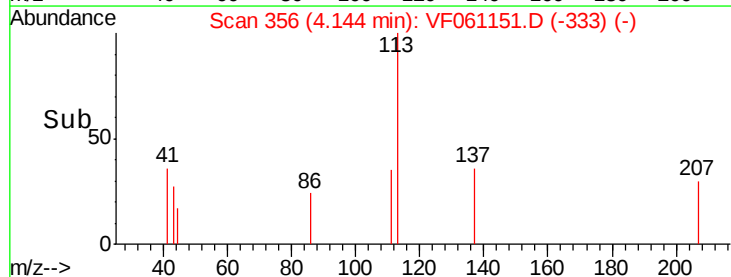
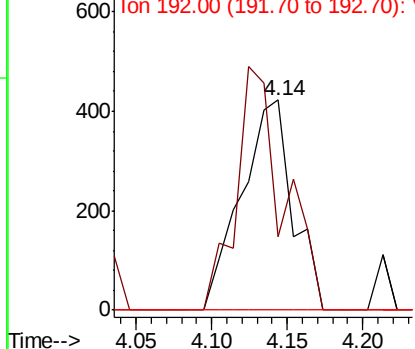


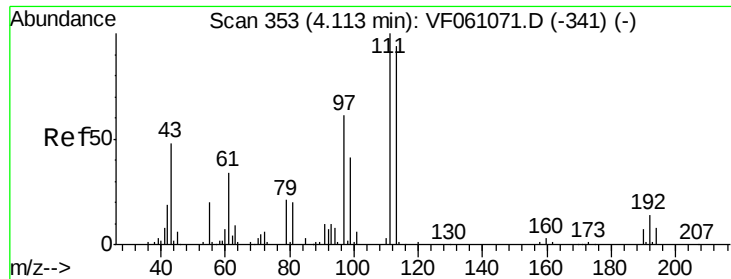
#35
 Dibromofluoromethane
 Concen: 26.404 ug/l
 RT: 4.14 min Scan# 356
 Delta R.T. 0.03 min
 Lab File: VF061151.D
 Acq: 22 Dec 2018 18:23

Tgt Ion:113 Resp: 1007
 Ion Ratio Lower Upper
 113 100
 111 34.8 85.2 127.8#
 192 0.0 12.8 19.2#



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

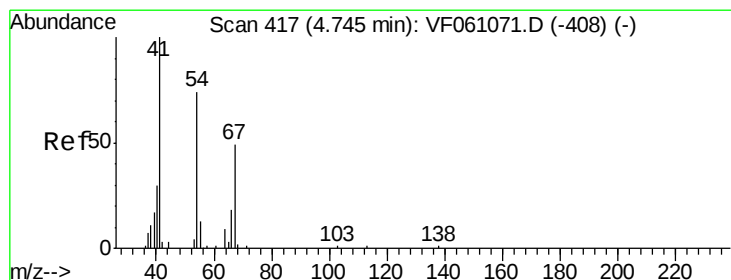
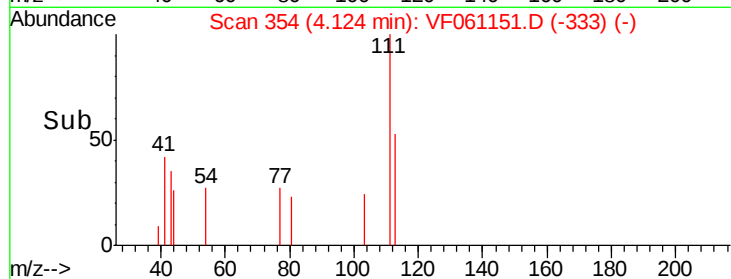
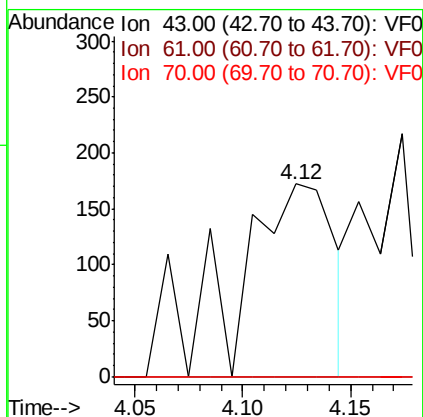
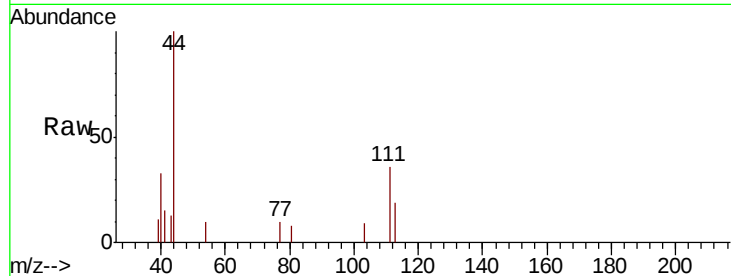




#37
Ethyl Acetate
Concen: 20.534 ug/l
RT: 4.12 min Scan# 354
Delta R.T. 0.01 min
Lab File: VF061151.D
Acq: 22 Dec 2018 18:23

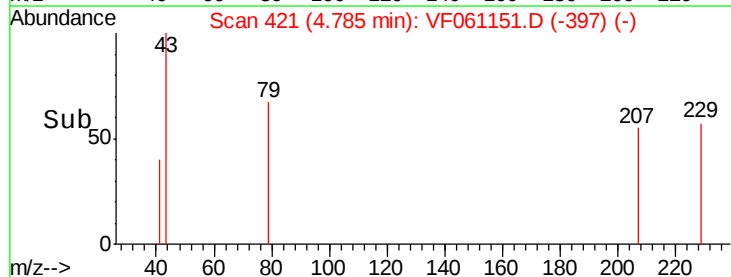
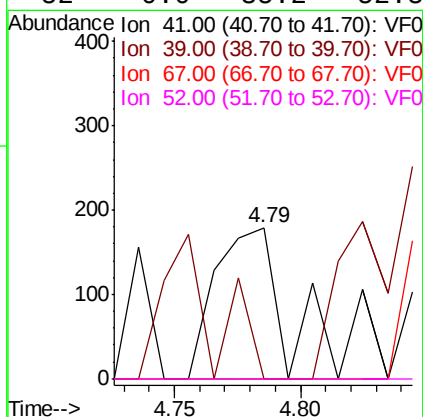
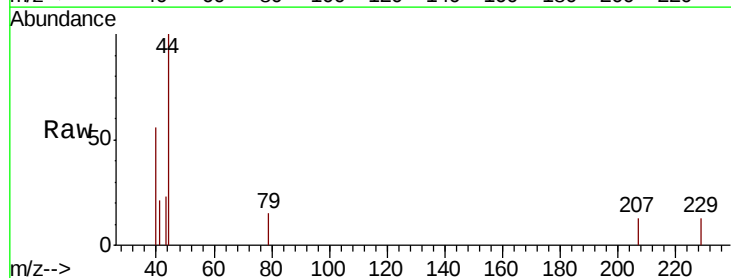
Instrument :
MSVOA_F
ClientSampleId :
NB-07-122018-BRE

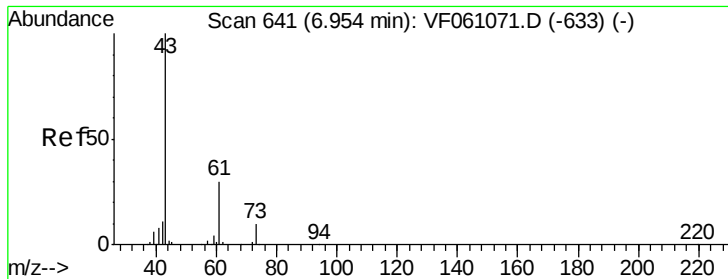
Tot Ion: 43 Resp: 508
Ion Ratio Lower Upper
43 100
61 0.0 56.6 84.8#
70 0.0 6.3 9.5#



#41
Methacrylonitrile
Concen: 28.591 ug/l
RT: 4.79 min Scan# 421
Delta R.T. 0.04 min
Lab File: VF061151.D
Acq: 22 Dec 2018 18:23

Tgt Ion: 41 Resp: 347
Ion Ratio Lower Upper
41 100
39 0.0 45.7 68.5#
67 0.0 38.9 58.3#
52 0.0 35.2 52.8#



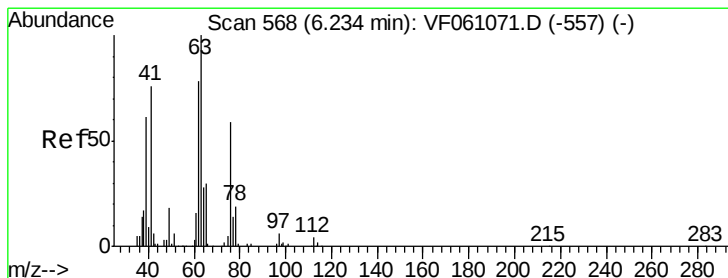
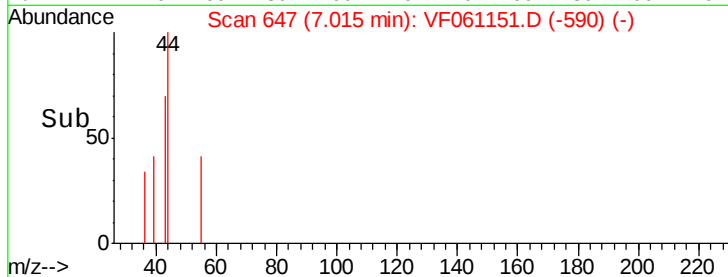
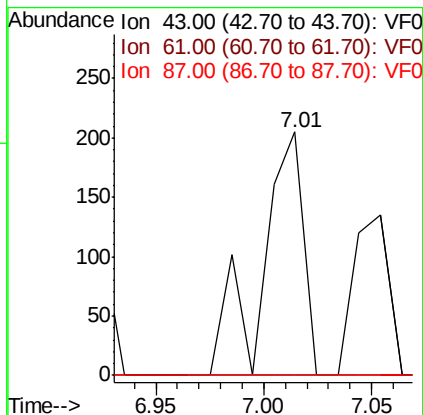
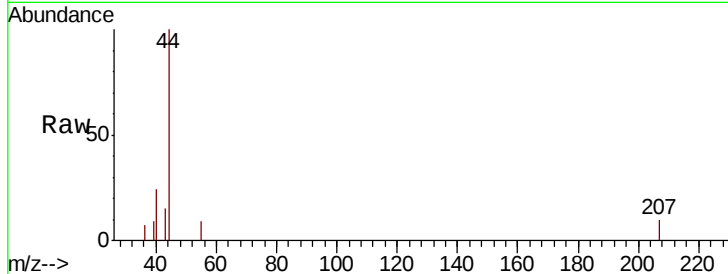


#43

Isopropyl Acetate
 Concen: 9.982 ug/l
 RT: 7.01 min Scan# 647
 Delta R.T. 0.06 min
 Lab File: VF061151.D
 Acq: 22 Dec 2018 18:23

Instrument :
 MSVOA_F
 ClientSampleId :
 NB-07-122018-BRE

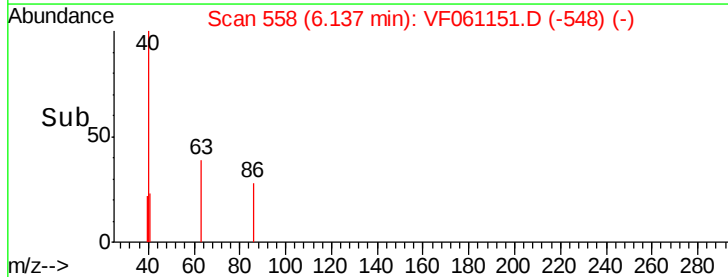
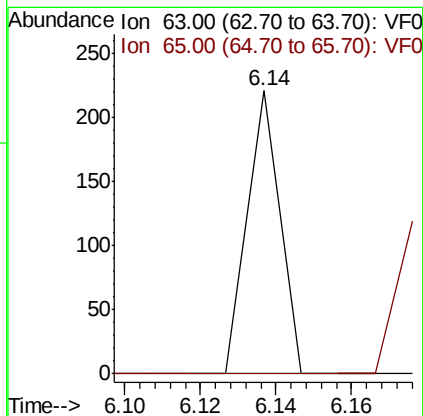
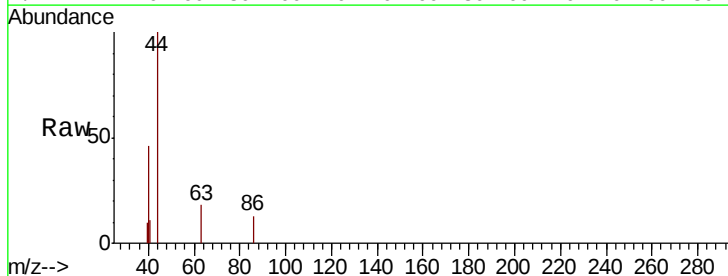
Tot Ion: 43 Resp: 277
 Ion Ratio Lower Upper
 43 100
 61 0.0 23.8 35.8#
 87 0.0 0.0 0.0

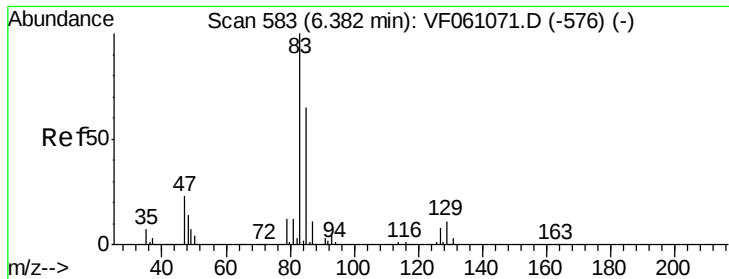


#45

1,2-Dichloropropane
 Concen: 3.896 ug/l
 RT: 6.14 min Scan# 558
 Delta R.T. -0.10 min
 Lab File: VF061151.D
 Acq: 22 Dec 2018 18:23

Tgt Ion: 63 Resp: 131
 Ion Ratio Lower Upper
 63 100
 65 0.0 24.4 36.6#





#47

Bromodichloromethane

Concen: 1.129 ug/l

RT: 6.52 min Scan# 597

Delta R.T. 0.14 min

Lab File: VF061151.D

Acq: 22 Dec 2018 18:23

Instrument :

MSVOA_F

ClientSampleId :

NB-07-122018-BRE

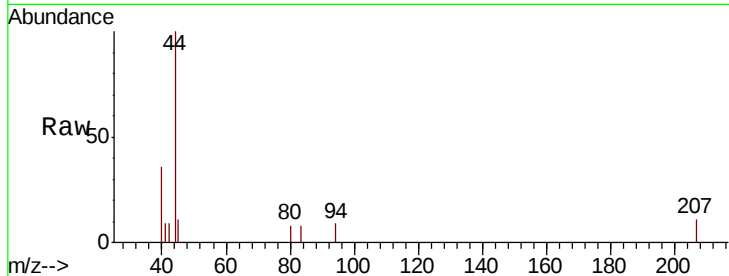
Tot Ion: 83 Resp: 64

Ion Ratio Lower Upper

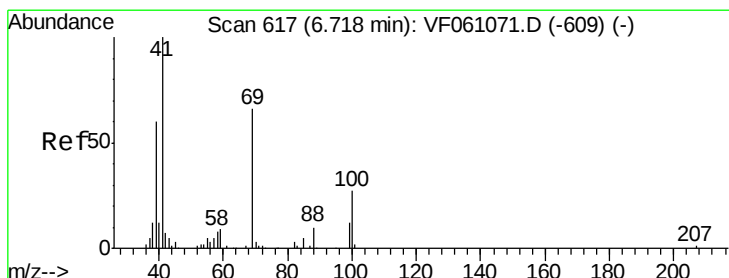
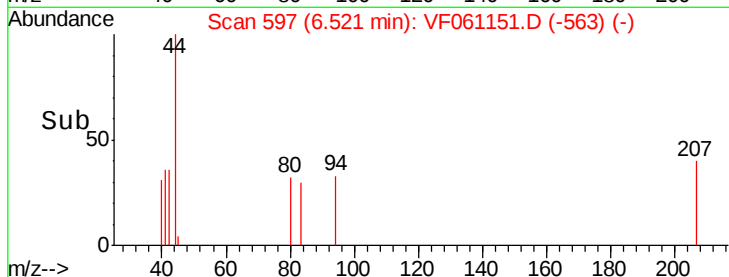
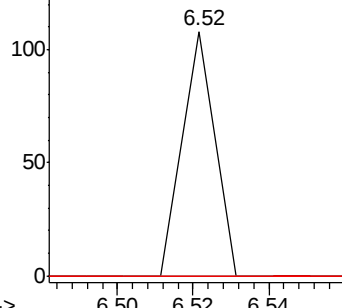
83 100

85 0.0 52.2 78.4#

127 0.0 6.1 9.1#



Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 85.00 (84.70 to 85.70): VF0
Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 7.279 ug/l

RT: 6.75 min Scan# 620

Delta R.T. 0.03 min

Lab File: VF061151.D

Acq: 22 Dec 2018 18:23

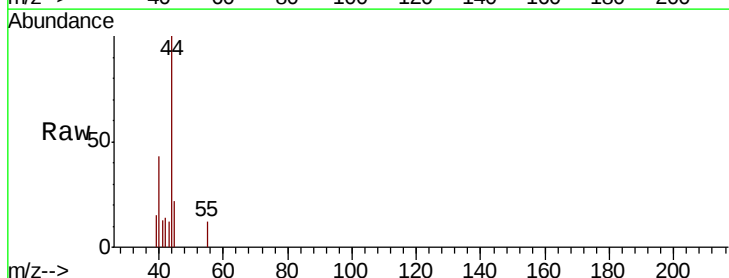
Tgt Ion: 41 Resp: 141

Ion Ratio Lower Upper

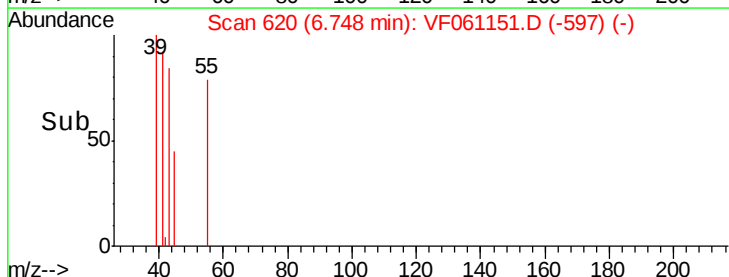
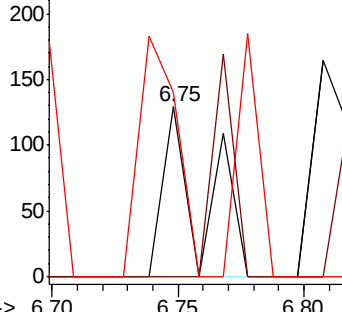
41 100

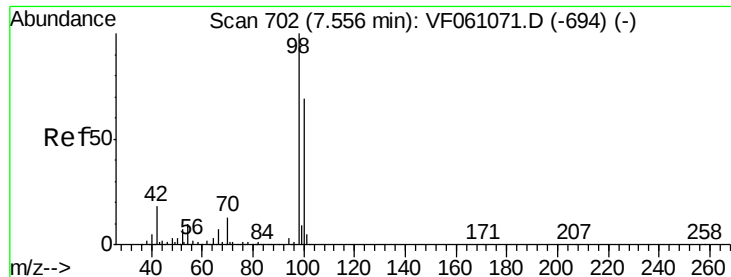
69 0.0 52.7 79.1#

39 108.5 47.8 71.6#



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: 44.578 ug/l

RT: 7.57 min Scan# 703

Delta R.T. 0.01 min

Lab File: VF061151.D

Acq: 22 Dec 2018 18:23

Instrument :

MSVOA_F

ClientSampleId :

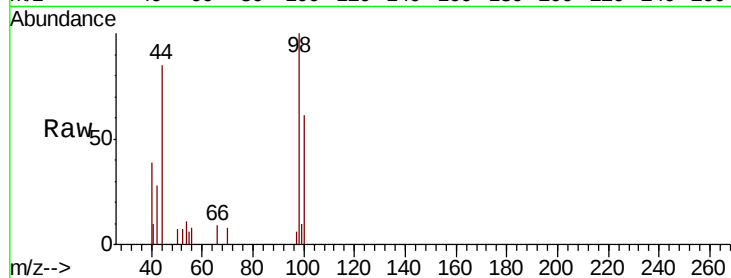
NB-07-122018-BRE

Tot Ion: 98 Resp: 4818

Ion Ratio Lower Upper

98 100

100 60.5 55.3 82.9



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

7.57

1500

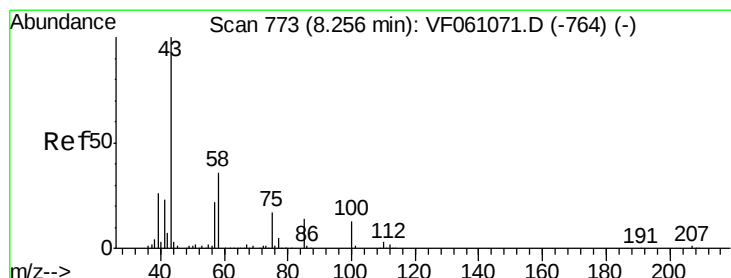
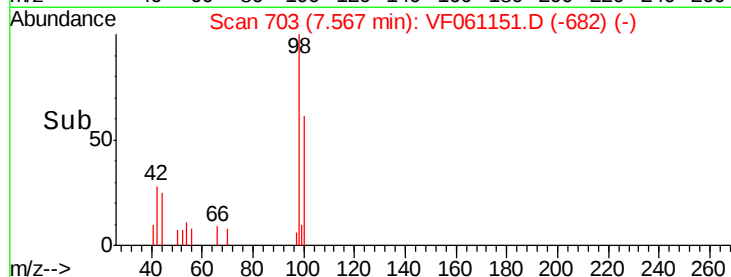
1000

500

0

7.50 7.55 7.60 7.65

Time-->



#51

4-Methyl-2-Pentanone

Concen: 12.296 ug/l

RT: 8.30 min Scan# 777

Delta R.T. 0.04 min

Lab File: VF061151.D

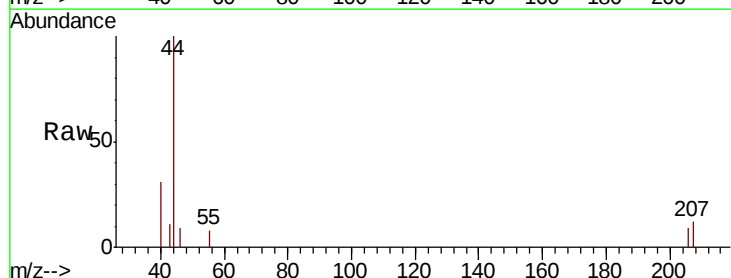
Acq: 22 Dec 2018 18:23

Tgt Ion: 43 Resp: 234

Ion Ratio Lower Upper

43 100

58 0.0 29.1 43.7#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

150

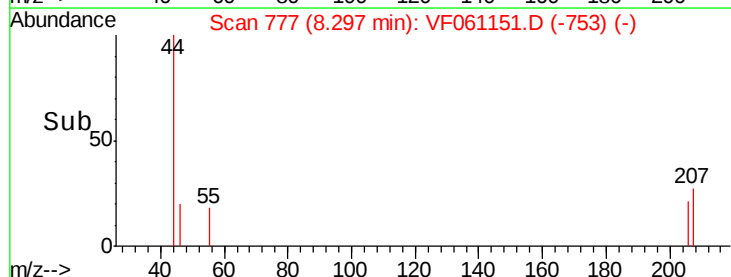
100

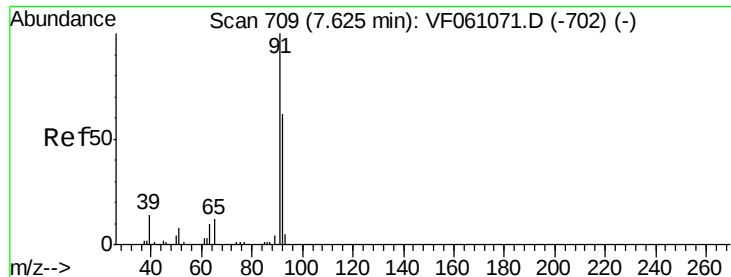
50

0

8.26 8.28 8.30 8.32 8.34

Time-->





#52

Toluene

Concen: 2.726 ug/l

RT: 7.66 min Scan# 712

Delta R.T. 0.03 min

Lab File: VF061151.D

Acq: 22 Dec 2018 18:23

Instrument :

MSVOA_F

ClientSampleId :

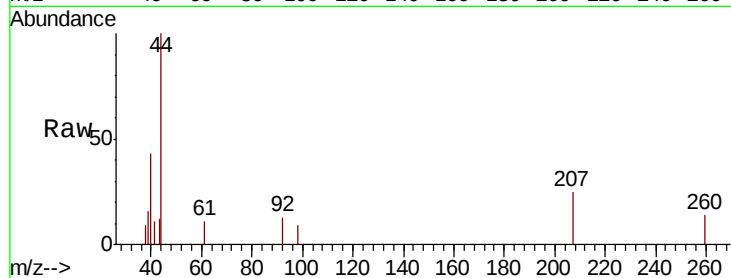
NB-07-122018-BRE

Tot Ion: 92 Resp: 223

Ion Ratio Lower Upper

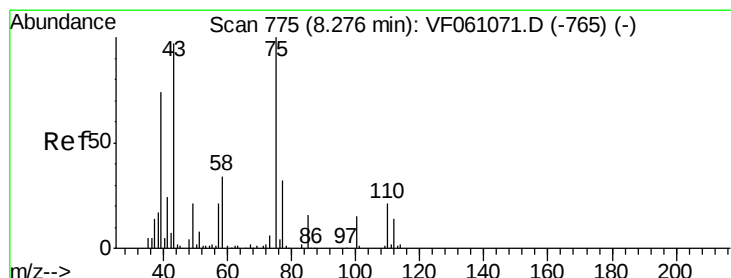
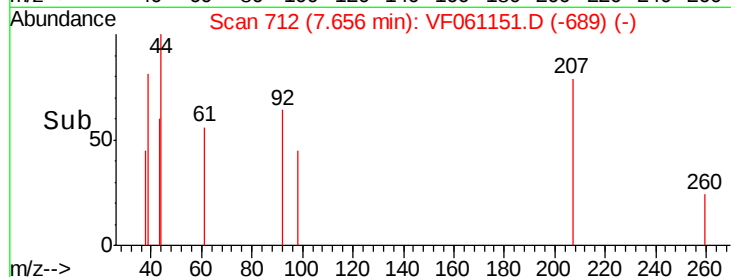
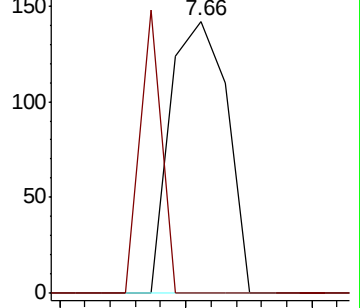
92 100

91 0.0 128.8 193.2#



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0



#53

t-1,3-Dichloropropene

Concen: 1.313 ug/l

RT: 8.39 min Scan# 786

Delta R.T. 0.11 min

Lab File: VF061151.D

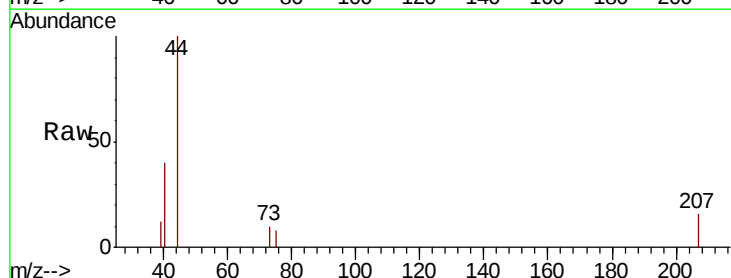
Acq: 22 Dec 2018 18:23

Tgt Ion: 75 Resp: 60

Ion Ratio Lower Upper

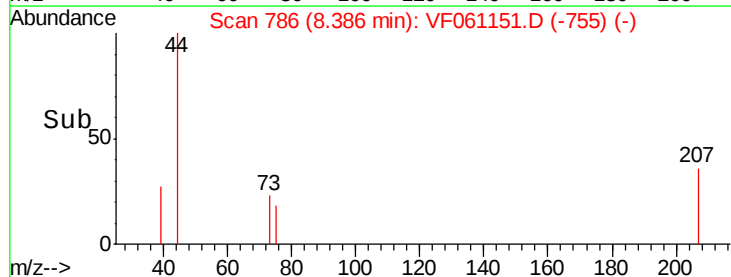
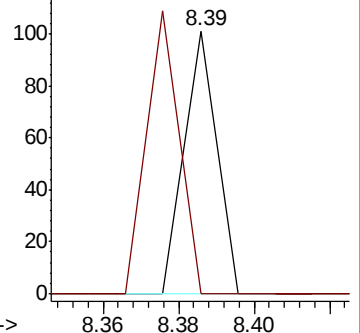
75 100

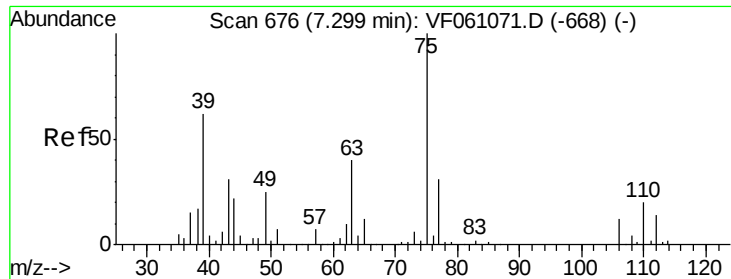
77 0.0 25.8 38.8#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#54

cis-1,3-Dichloropropene

Concen: 1.133 ug/l

RT: 7.45 min Scan# 691

Delta R.T. 0.15 min

Lab File: VF061151.D

Acq: 22 Dec 2018 18:23

Instrument :

MSVOA_F

ClientSampleId :

NB-07-122018-BRE

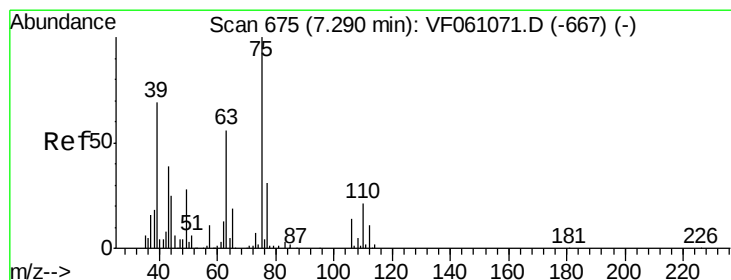
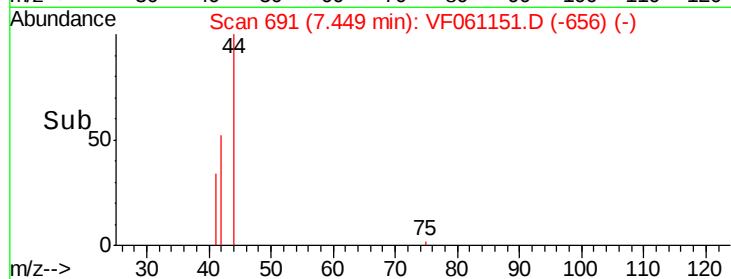
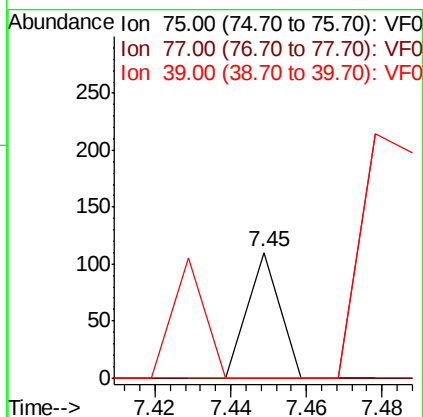
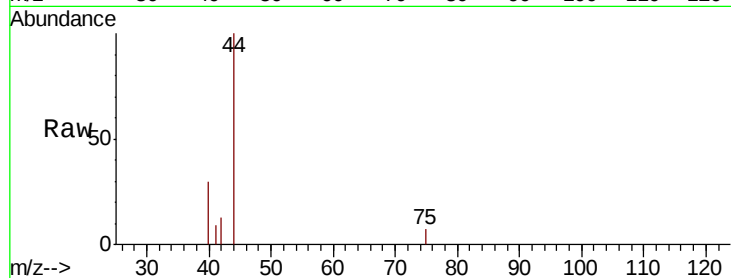
Tot Ion: 75 Resp: 65

Ion Ratio Lower Upper

75 100

77 0.0 25.0 37.4#

39 0.0 50.1 75.1#



#58

2-Chloroethyl Vinyl ether

Concen: 13.342 ug/l

RT: 7.44 min Scan# 690

Delta R.T. 0.15 min

Lab File: VF061151.D

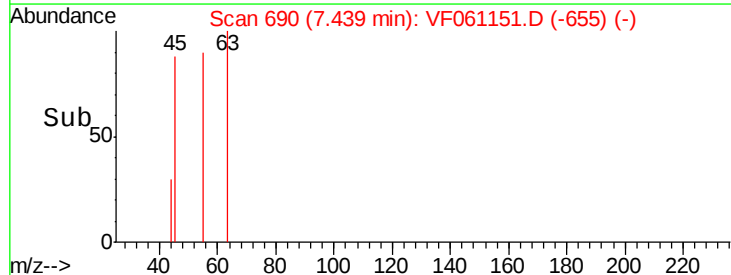
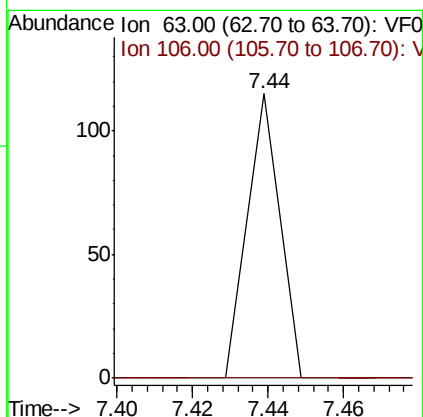
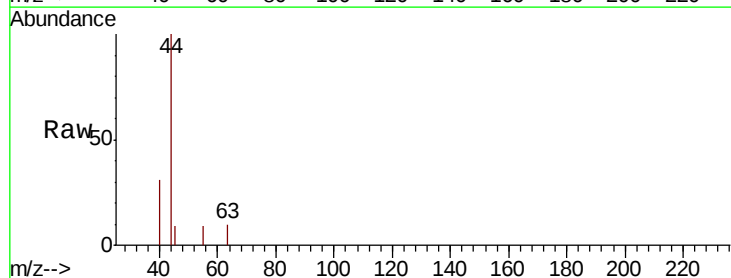
Acq: 22 Dec 2018 18:23

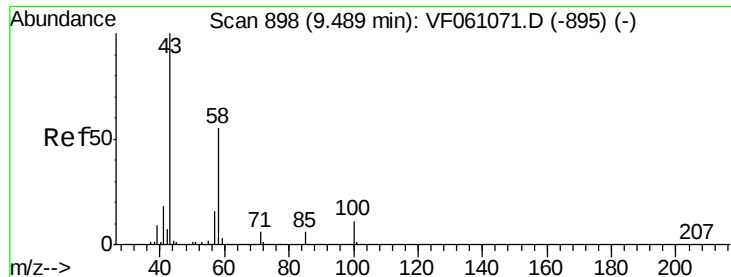
Tgt Ion: 63 Resp: 68

Ion Ratio Lower Upper

63 100

106 0.0 19.8 29.8#

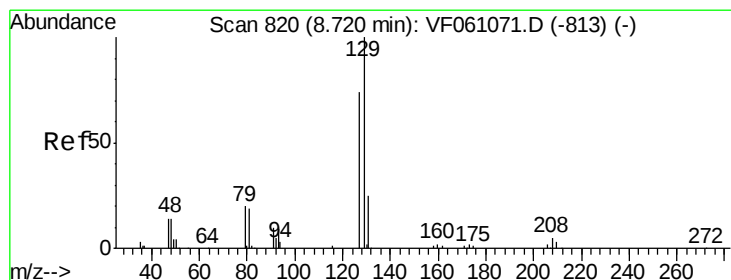
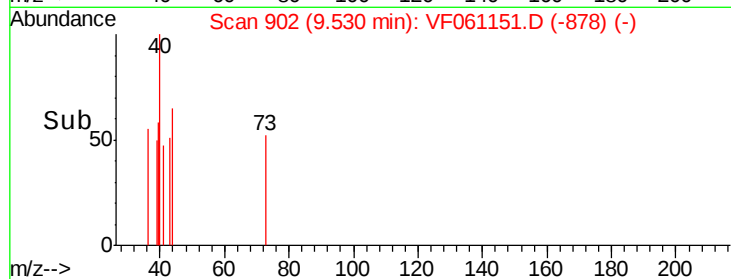
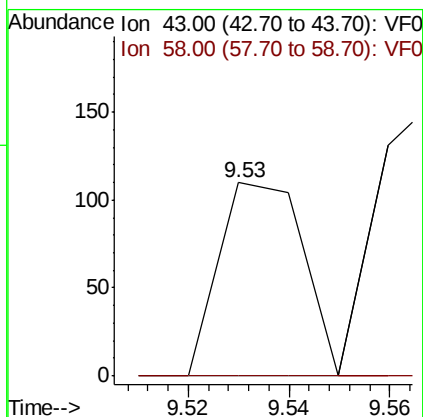
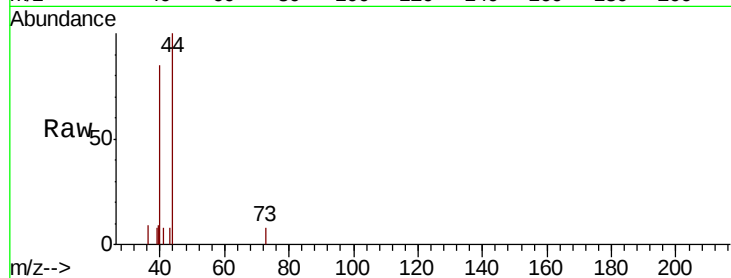




#59
2-Hexanone
Concen: 9.228 ug/l
RT: 9.53 min Scan# 902
Delta R.T. 0.04 min
Lab File: VF061151.D
Acq: 22 Dec 2018 18:23

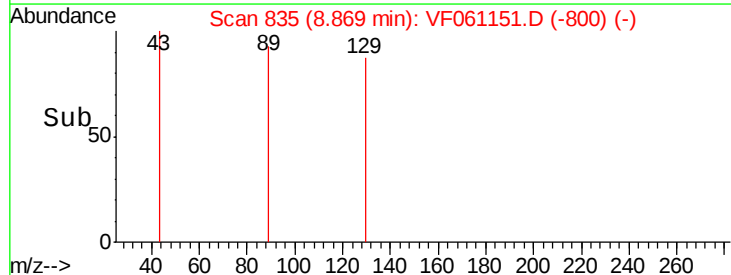
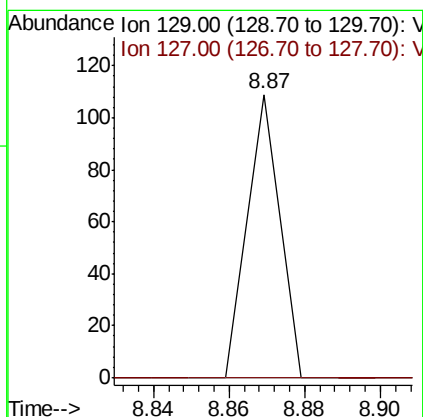
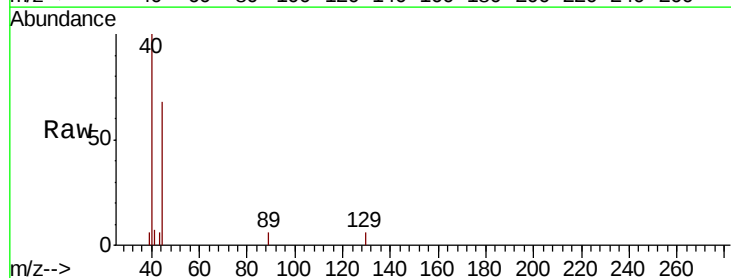
Instrument :
MSVOA_F
ClientSampleId :
NB-07-122018-BRE

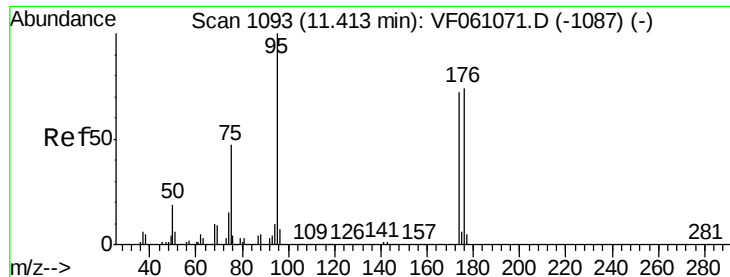
Tot Ion: 43 Resp: 127
Ion Ratio Lower Upper
43 100
58 0.0 25.1 75.2#



#60
Dibromochloromethane
Concen: 1.849 ug/l
RT: 8.87 min Scan# 835
Delta R.T. 0.15 min
Lab File: VF061151.D
Acq: 22 Dec 2018 18:23

Tgt Ion: 129 Resp: 65
Ion Ratio Lower Upper
129 100
127 0.0 36.8 110.3#





#62

4-Bromofluorobenzene

Concen: 21.013 ug/l

RT: 11.42 min Scan# 1094

Delta R.T. 0.01 min

Lab File: VF061151.D

Acq: 22 Dec 2018 18:23

Instrument :

MSVOA_F

ClientSampleId :

NB-07-122018-BRE

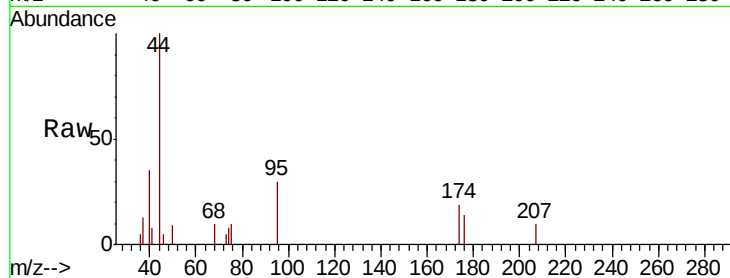
Tot Ion: 95 Resp: 1047

Ion Ratio Lower Upper

95 100

174 62.6 0.0 143.8

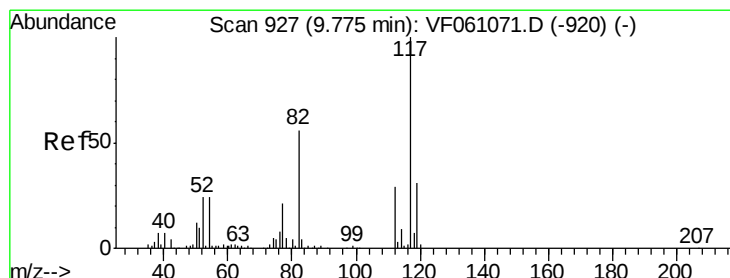
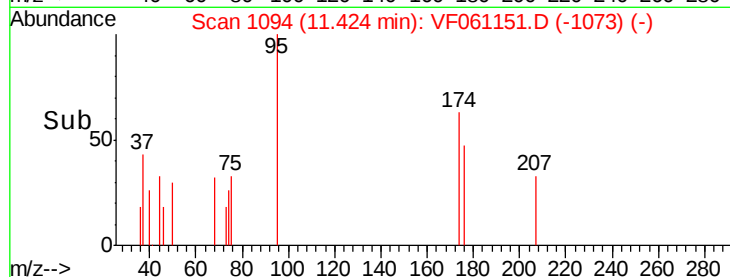
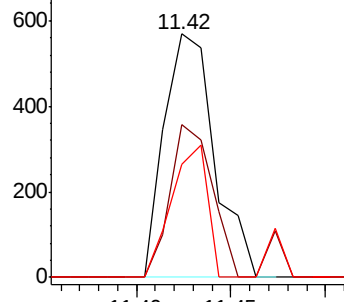
176 46.6 0.0 147.6



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: 9.80 min Scan# 929

Delta R.T. 0.02 min

Lab File: VF061151.D

Acq: 22 Dec 2018 18:23

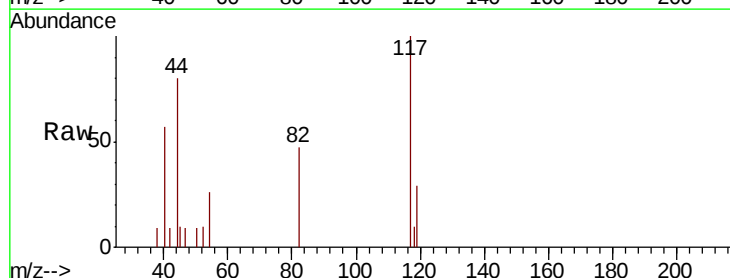
Tgt Ion: 117 Resp: 3405

Ion Ratio Lower Upper

117 100

82 47.4 45.0 67.4

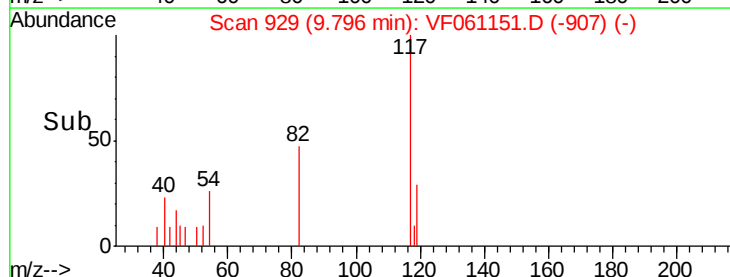
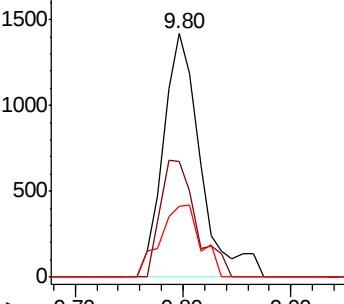
119 29.3 24.8 37.2

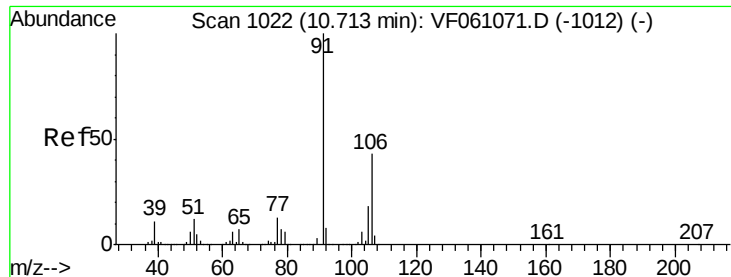


Abundance Ion 117.00 (116.70 to 117.70): VF0

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): VF0

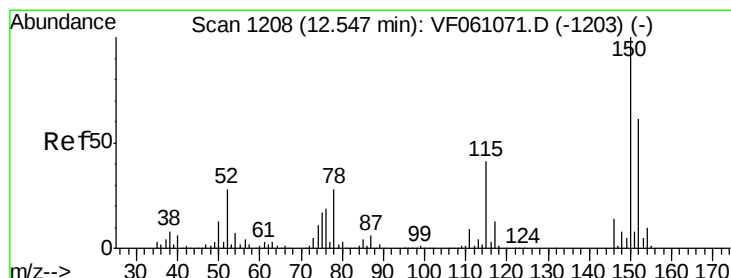
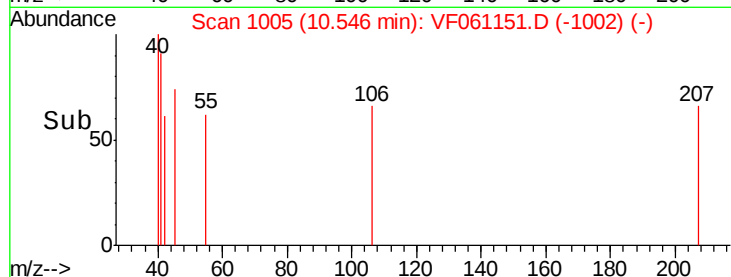
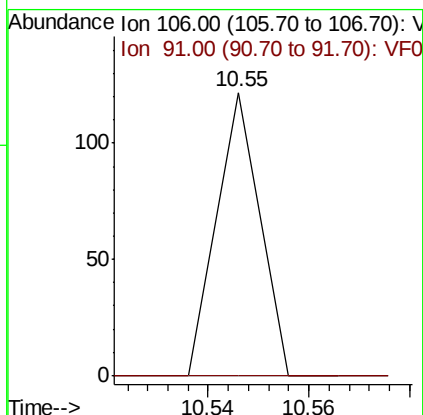
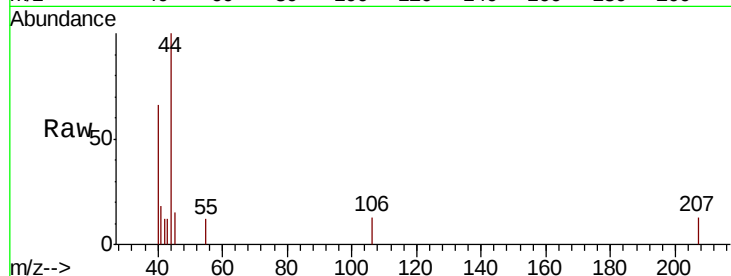




#69
o-Xylene
Concen: 1.439 ug/l
RT: 10.55 min Scan# 1005
Delta R.T. -0.17 min
Lab File: VF061151.D
Acq: 22 Dec 2018 18:23

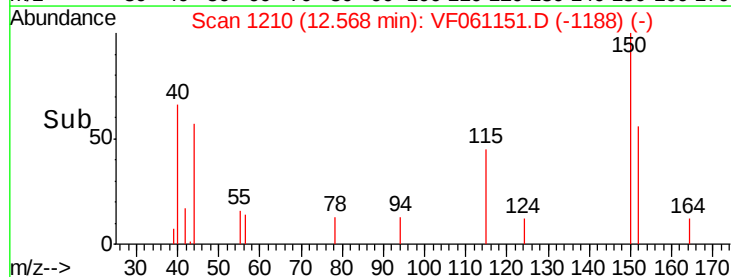
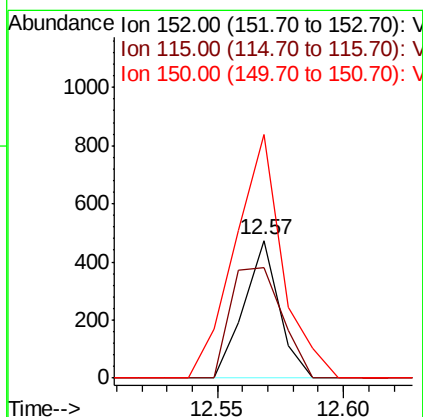
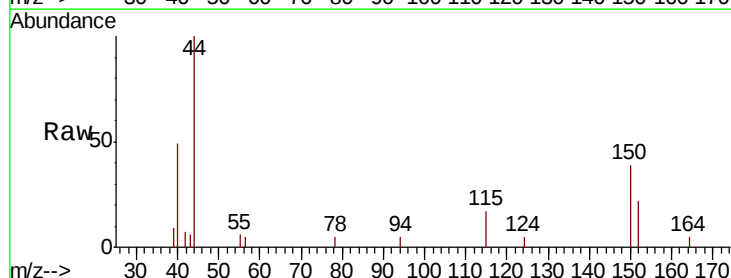
Instrument :
MSVOA_F
ClientSampleId :
NB-07-122018-BRE

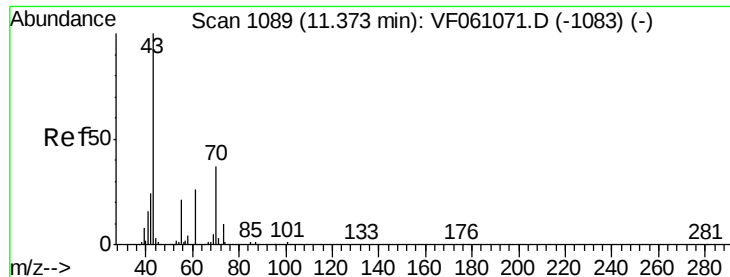
Tot Ion:106 Resp: 72
Ion Ratio Lower Upper
106 100
91 0.0 115.9 347.7#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.57 min Scan# 1210
Delta R.T. 0.02 min
Lab File: VF061151.D
Acq: 22 Dec 2018 18:23

Tgt Ion:152 Resp: 459
Ion Ratio Lower Upper
152 100
115 80.1 33.3 99.9
150 177.2 0.0 328.2





#74

N-amvl acetate

Concen: 21.066 ug/l

RT: 11.36 min Scan# 1088

Delta R.T. -0.01 min

Lab File: VF061151.D

Acq: 22 Dec 2018 18:23

Instrument :

MSVOA_F

ClientSampleId :

NB-07-122018-BRE

Tot Ion: 43 Resp: 185

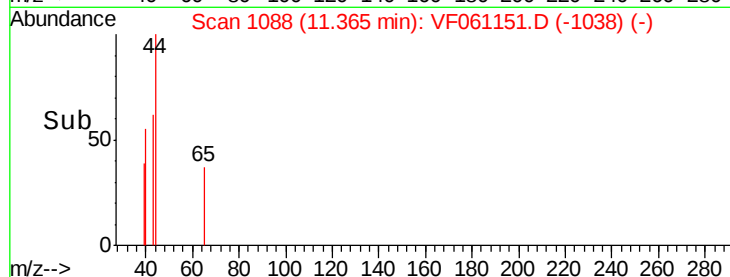
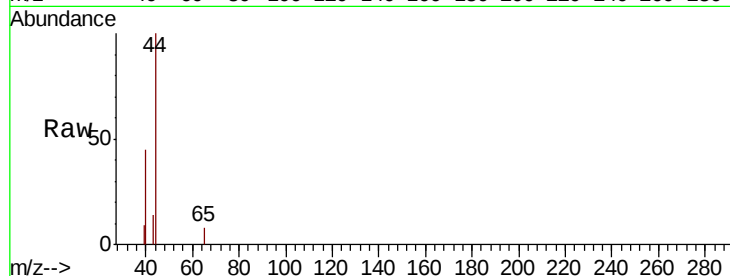
Ion Ratio Lower Upper

43 100

70 0.0 29.2 43.8#

55 0.0 16.5 24.7#

61 0.0 20.7 31.1#

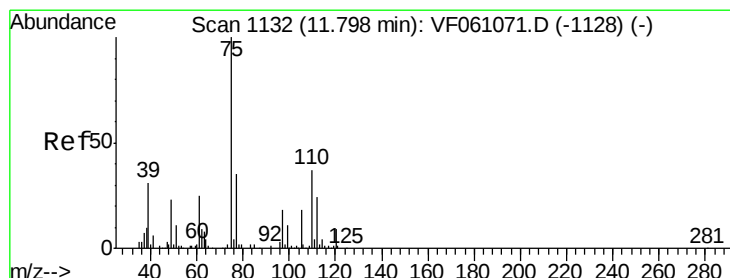
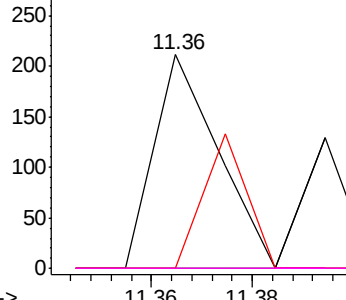


Abundance Ion 43.00 (42.70 to 43.70): VF0

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



#76

1,2,3-Trichloropropane

Concen: 14.124 ug/l

RT: 11.63 min Scan# 1115

Delta R.T. -0.17 min

Lab File: VF061151.D

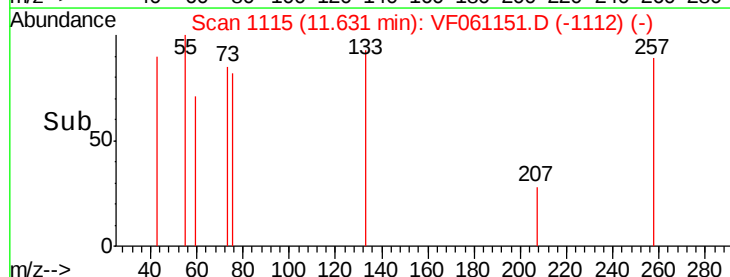
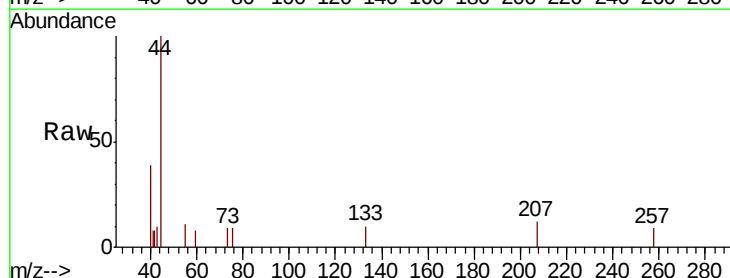
Acq: 22 Dec 2018 18:23

Tgt Ion: 75 Resp: 69

Ion Ratio Lower Upper

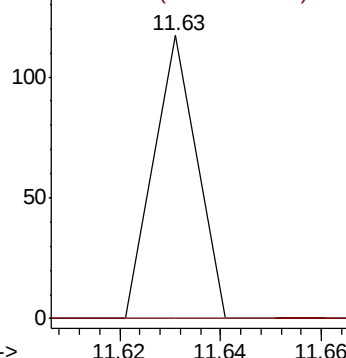
75 100

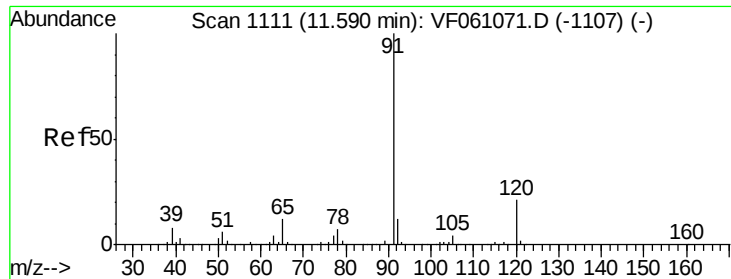
77 0.0 17.6 52.9#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#78

n-propylbenzene

Concen: 1.046 ug/l

RT: 11.72 min Scan# 1124

Delta R.T. 0.13 min

Lab File: VF061151.D

Acq: 22 Dec 2018 18:23

Instrument :

MSVOA_F

ClientSampleId :

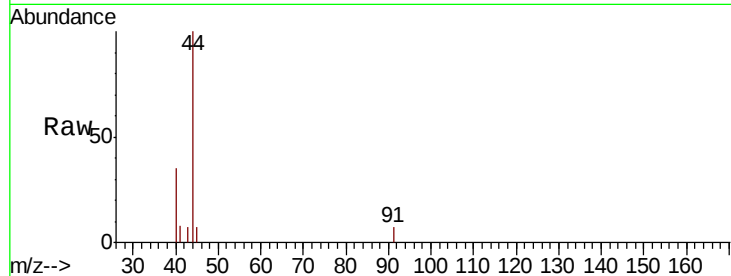
NB-07-122018-BRE

Tot Ion: 91 Resp: 65

Ion Ratio Lower Upper

91 100

120 0.0 10.4 31.2#



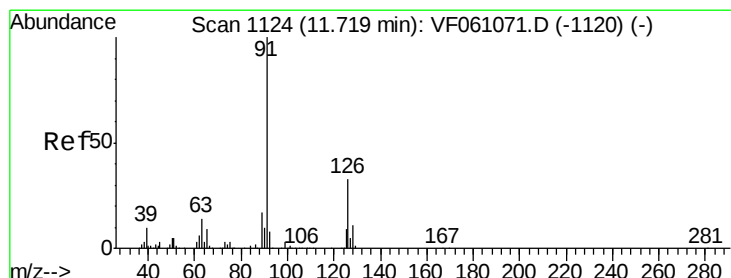
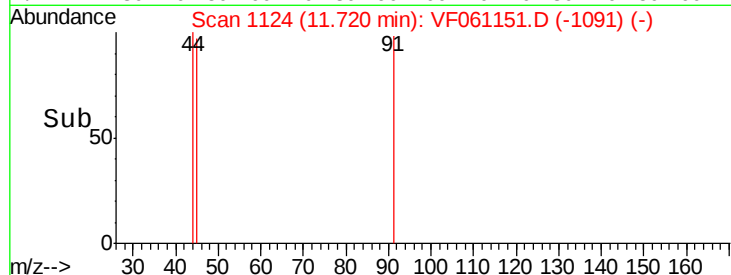
Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

11.72

11.74

Time-->



#79

2-Chlorotoluene

Concen: 2.395 ug/l

RT: 11.72 min Scan# 1124

Delta R.T. 0.00 min

Lab File: VF061151.D

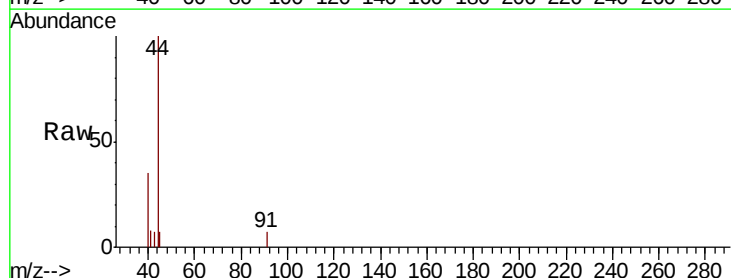
Acq: 22 Dec 2018 18:23

Tgt Ion: 91 Resp: 65

Ion Ratio Lower Upper

91 100

126 0.0 16.4 49.1#



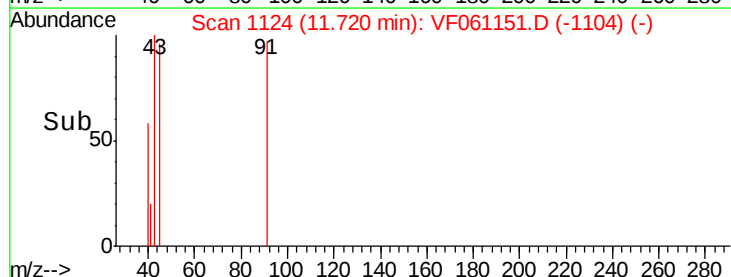
Abundance Ion 91.00 (90.70 to 91.70): VF0

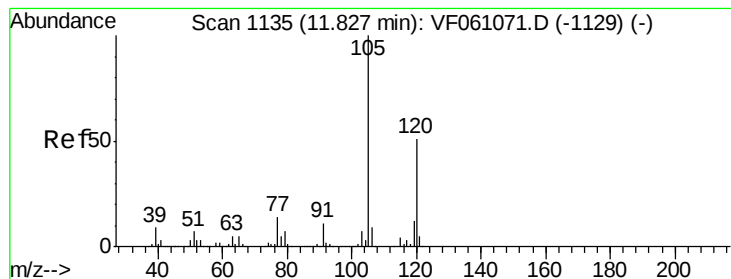
Ion 126.00 (125.70 to 126.70): V

11.72

11.74

Time-->





#80

1,3,5-Trimethylbenzene

Concen: 2.057 ug/l

RT: 11.96 min Scan# 1148

Delta R.T. 0.13 min

Lab File: VF061151.D

Acq: 22 Dec 2018 18:23

Instrument :

MSVOA_F

ClientSampleId :

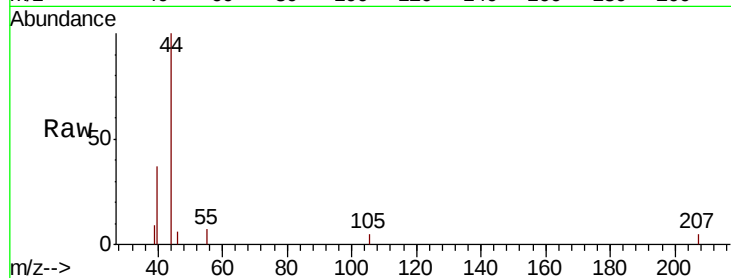
NB-07-122018-BRE

Tot Ion:105 Resp: 67

Ion Ratio Lower Upper

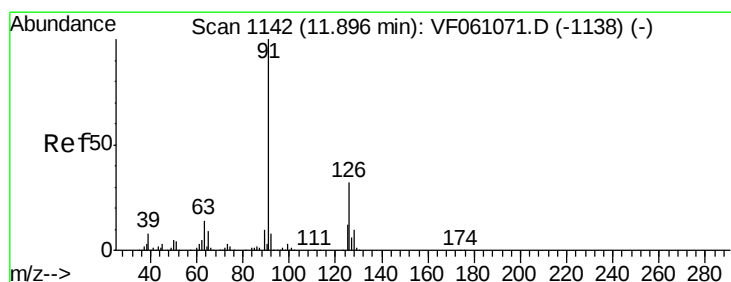
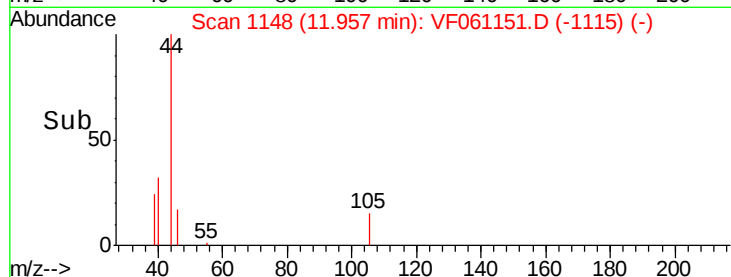
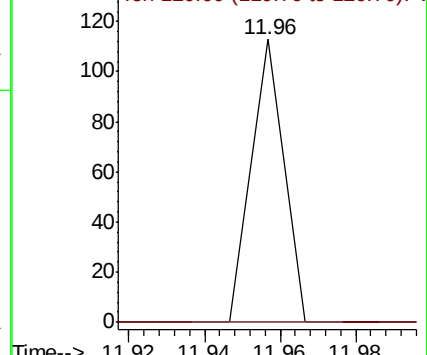
105 100

120 0.0 25.4 76.4#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#82

4-Chlorotoluene

Concen: 2.244 ug/l

RT: 11.75 min Scan# 1127

Delta R.T. -0.15 min

Lab File: VF061151.D

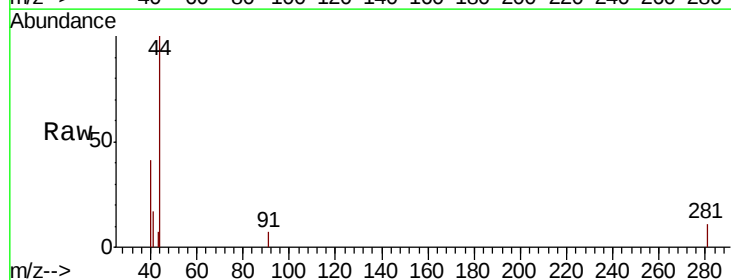
Acq: 22 Dec 2018 18:23

Tgt Ion: 91 Resp: 63

Ion Ratio Lower Upper

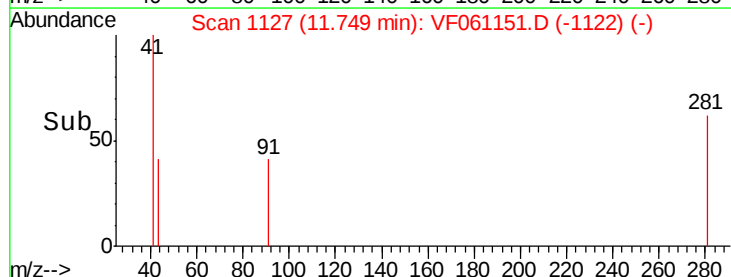
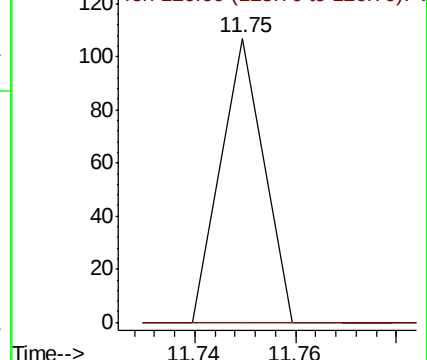
91 100

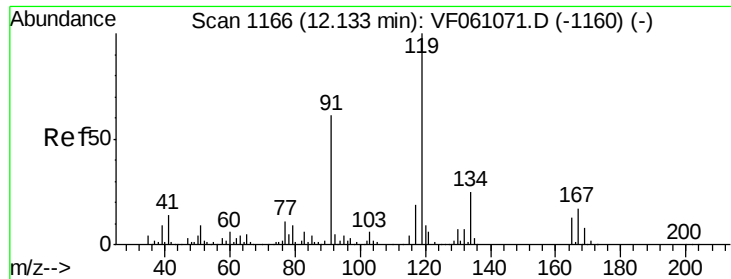
126 0.0 16.0 47.9#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

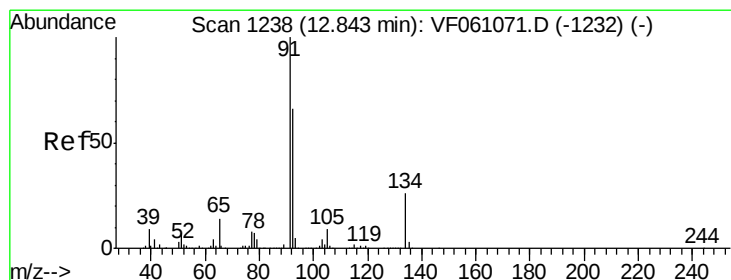
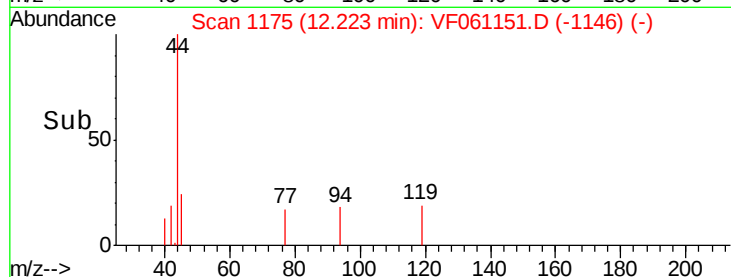
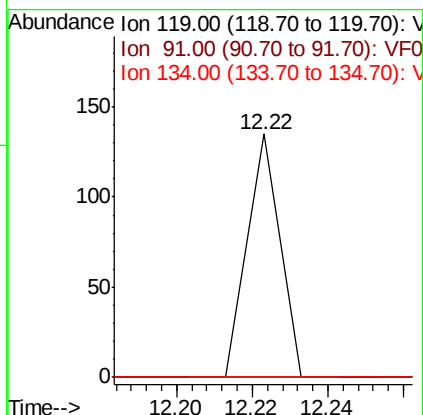
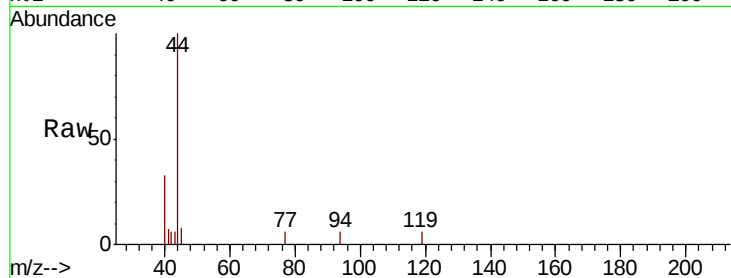




#83
tert-Butylbenzene
Concen: 2.387 ug/l
RT: 12.22 min Scan# 1175
Delta R.T. 0.09 min
Lab File: VF061151.D
Acq: 22 Dec 2018 18:23

Instrument :
MSVOA_F
ClientSampleId :
NB-07-122018-BRE

Tot Ion	Ratio	Lower	Upper
119	100		
91	0.0	30.5	91.5#
134	0.0	12.4	37.4#



#89
n-Butylbenzene
Concen: 2.403 ug/l
RT: 12.77 min Scan# 1230
Delta R.T. -0.08 min
Lab File: VF061151.D
Acq: 22 Dec 2018 18:23

Tgt Ion	Ratio	Lower	Upper
91	100		
92	0.0	32.8	98.4#
134	0.0	13.2	39.5#

