

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF121218\
 Data File : VF061001.D
 Acq On : 12 Dec 2018 17:47
 Operator : VA/AP
 Sample : J6189-03RE
 Misc : 6.41g/5mL/MSVOA-F/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 HR-05-121118-BRE

Quant Time: Dec 13 01:25:45 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 27 01:36:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	175411	50.00	ug/l	-0.05
34) 1,4-Difluorobenzene	5.59	114	318522	50.00	ug/l	-0.05
63) Chlorobenzene-d5	9.77	117	225249	50.00	ug/l	-0.04
72) 1,4-Dichlorobenzene-d4	12.54	152	79678	50.00	ug/l	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.84	65	108339	52.43	ug/l	-0.04
Spiked Amount			Recovery	=	104.86%	
35) Dibromofluoromethane	4.11	113	115146	45.57	ug/l	-0.04
Spiked Amount			Recovery	=	91.14%	
50) Toluene-d8	7.55	98	224970	30.22	ug/l	-0.04
Spiked Amount			Recovery	=	60.44%	
62) 4-Bromofluorobenzene	11.41	95	92519	27.35	ug/l	-0.03
Spiked Amount			Recovery	=	54.70%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	1.62	74	1641	3.341	ug/l	97
11) Tert butyl alcohol	2.57	59	163	1.924	ug/l #	1
13) Acrolein	1.99	56	728	9.071	ug/l #	28
15) Acrylonitrile	2.92	53	283	1.490	ug/l #	11
16) Acetone	2.24	43	9075	23.815	ug/l #	91
20) Methylene Chloride	2.27	84	13843	9.903	ug/l #	84
25) 2-Butanone	4.34	43	1865	2.830	ug/l	96
29) Tetrahydrofuran	4.07	42	1279	4.578	ug/l #	57
41) Methacrylonitrile	4.77	41	321	Below Cal	#	46
43) Isopropyl Acetate	6.90	43	158	Below Cal	#	49
52) Toluene	7.62	92	6343	1.157	ug/l	88
56) Ethyl methacrylate	8.62	69	7323	4.127	ug/l #	74
59) 2-Hexanone	9.49	43	1882	2.026	ug/l	92
67) Ethyl Benzene	9.89	91	20275	2.485	ug/l	96
68) m/p-Xylenes	10.13	106	44734	15.246	ug/l	92
69) o-Xylene	10.71	106	48647	15.036	ug/l	95
73) Isopropylbenzene	11.12	105	16808	2.669	ug/l	95
74) N-amyl acetate	11.26	43	32659	22.462	ug/l #	50
75) 1,1,2,2-Tetrachloroethane	11.76	83	2224	2.146	ug/l #	69
76) 1,2,3-Trichloropropane	11.81	75	2204	2.926	ug/l #	1
78) n-propylbenzene	11.59	91	66019	8.953	ug/l	97
79) 2-Chlorotoluene	11.71	91	37397	8.845	ug/l #	43
80) 1,3,5-Trimethylbenzene	11.82	105	175507	34.335	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.81	75	2204	5.972	ug/l #	1
82) 4-Chlorotoluene	12.02	91	23229	5.221	ug/l #	45
84) 1,2,4-Trimethylbenzene	12.20	105	504635	98.918	ug/l	97
85) sec-Butylbenzene	12.30	105	42643	5.983	ug/l	92
86) p-Isopropyltoluene	12.43	119	100300	16.784	ug/l	98
89) n-Butylbenzene	12.84	91	83860	13.878	ug/l #	82
90) Hexachloroethane	12.93	117	3738	2.598	ug/l #	25
92) 1,2-Dibromo-3-Chloropropan	13.70	75	2917	14.559	ug/l #	1
95) Naphthalene	14.45	128	93503	26.051	ug/l #	91
96) 1,2,3-Trichlorobenzene	14.63	180	1862	1.154	ug/l #	1

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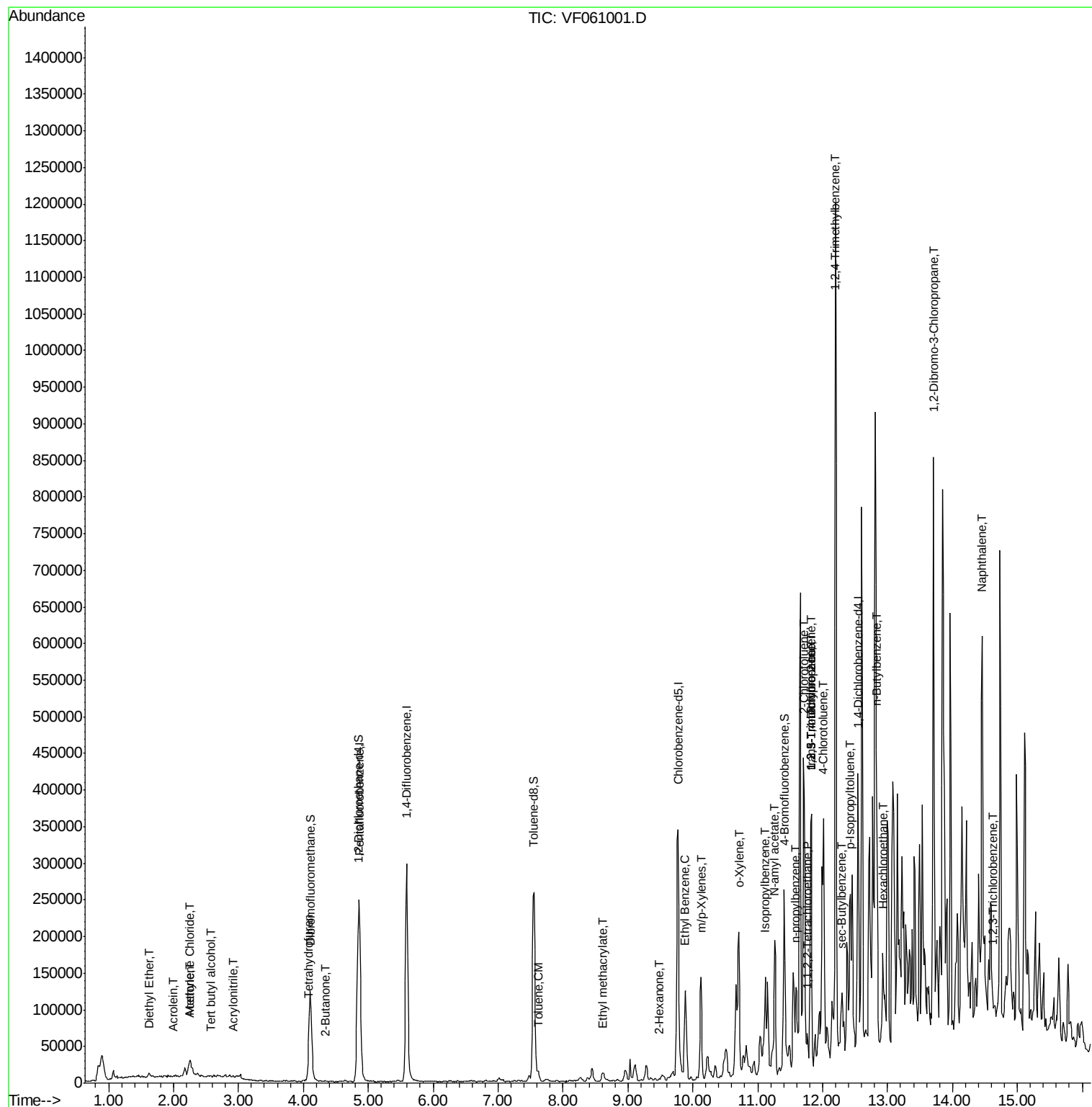
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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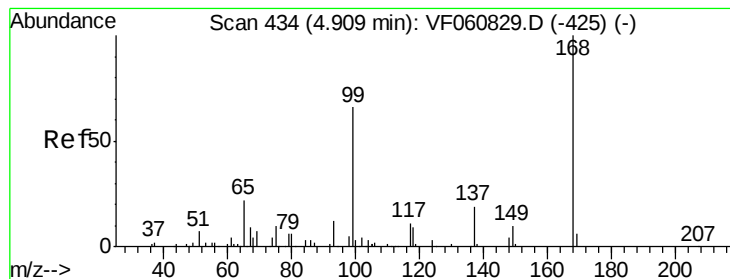
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF121218\
Data File : VF061001.D
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.05 min

Lab File: VF061001.D

Acq: 12 Dec 2018 17:47

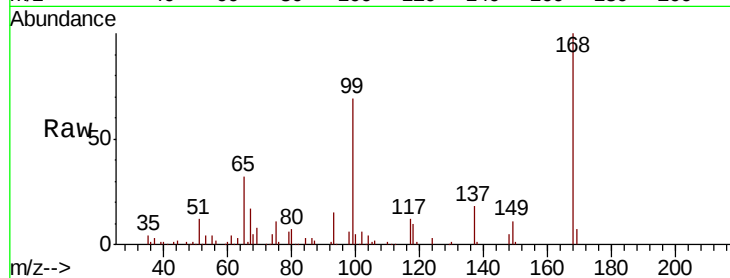
Instrument :
MSVOA_F
ClientSampleId :
HR-05-121118-BRE

Tot Ion:168 Resp: 175411

Ion Ratio Lower Upper

168 100

99 68.6 52.6 79.0



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.86

60000

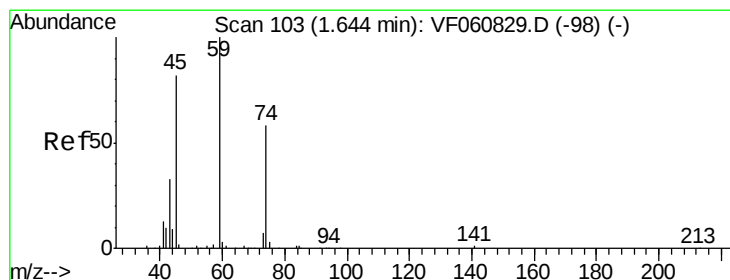
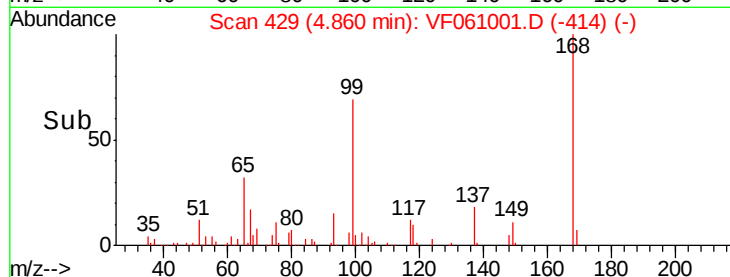
40000

20000

0

4.70 4.80 4.90 5.00 5.10

Time-->



#8

Diethyl Ether

Concen: 3.341 ug/l

RT: 1.62 min Scan# 101

Delta R.T. -0.02 min

Lab File: VF061001.D

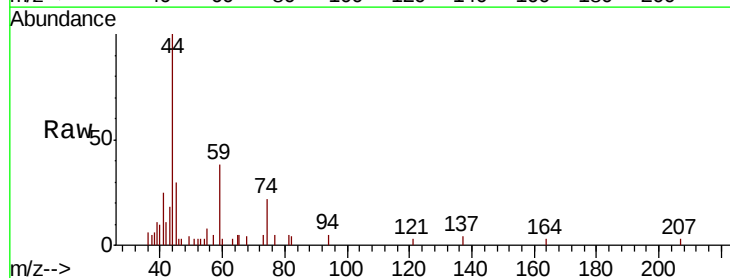
Acq: 12 Dec 2018 17:47

Tgt Ion: 74 Resp: 1641

Ion Ratio Lower Upper

74 100

45 138.1 71.0 212.8



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0

1.62

1200

1000

800

600

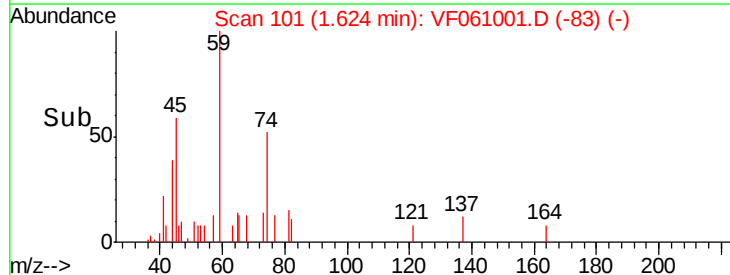
400

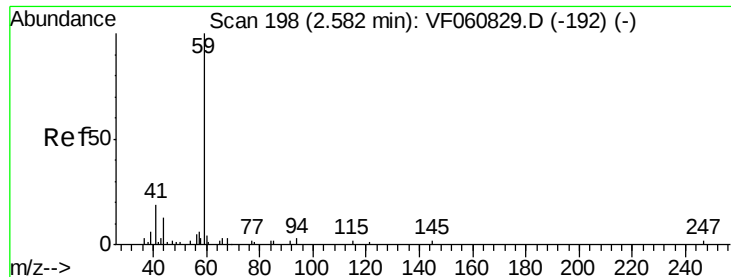
200

0

1.55 1.60 1.65 1.70

Time-->



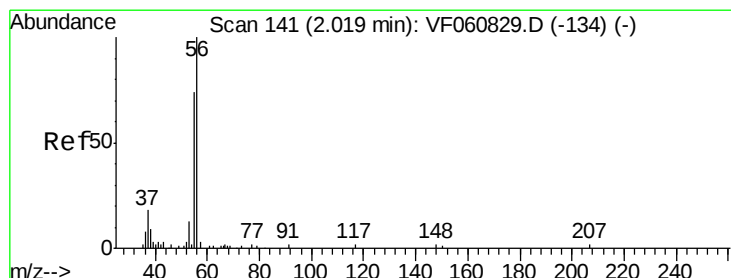
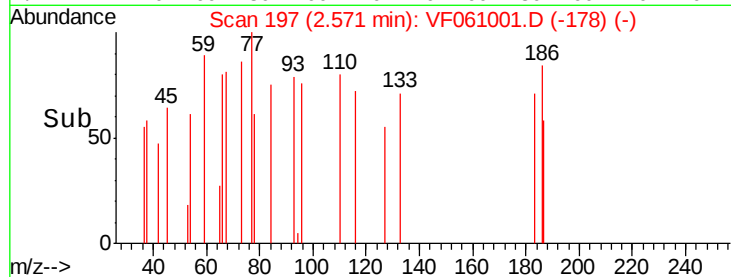
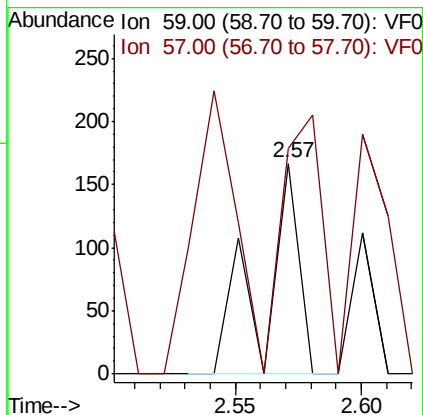
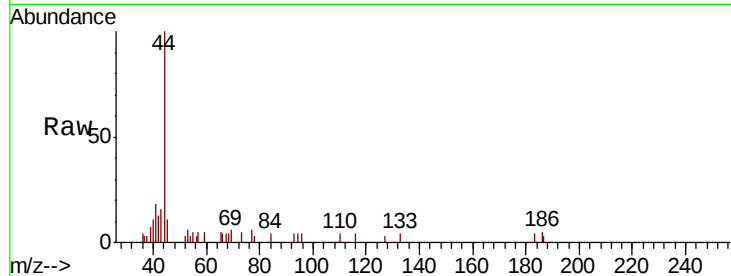


#11

Tert butyl alcohol
 Concen: 1.924 ug/l
 RT: 2.57 min Scan# 197
 Delta R.T. -0.01 min
 Lab File: VF061001.D
 Acq: 12 Dec 2018 17:47

Instrument :
 MSVOA_F
 ClientSampleId :
 HR-05-121118-BRE

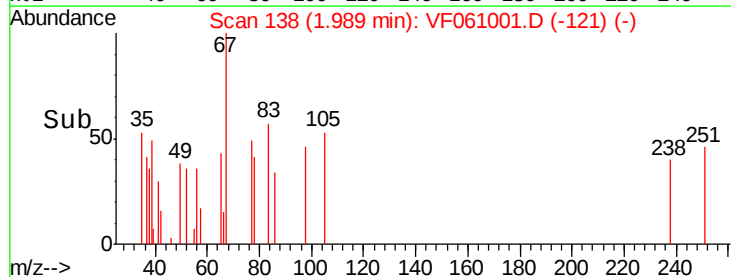
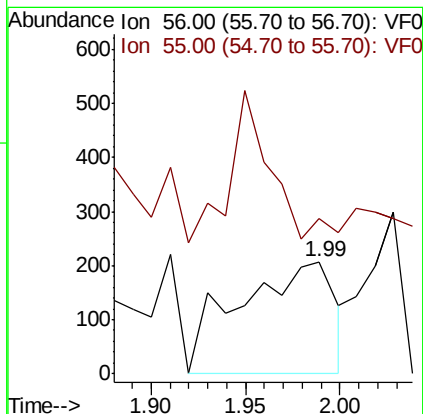
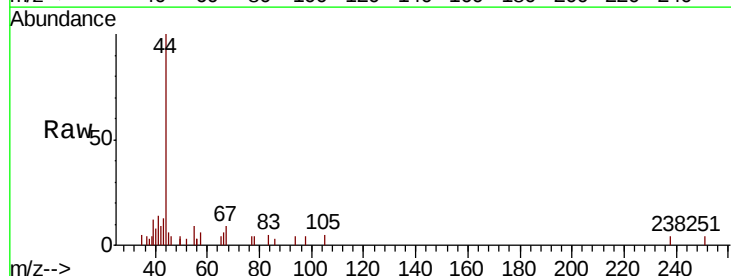
Tot Ion: 59 Resp: 163
 Ion Ratio Lower Upper
 59 100
 57 107.2 12.7 19.1#

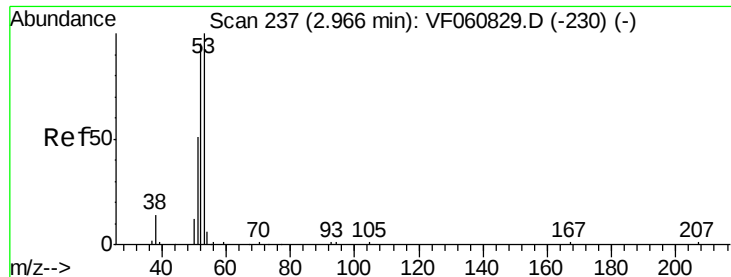


#13

Acrolein
 Concen: 9.071 ug/l
 RT: 1.99 min Scan# 138
 Delta R.T. -0.03 min
 Lab File: VF061001.D
 Acq: 12 Dec 2018 17:47

Tgt Ion: 56 Resp: 728
 Ion Ratio Lower Upper
 56 100
 55 138.2 61.2 91.8#





#15

Acrylonitrile

Concen: 1.490 ug/l

RT: 2.92 min Scan# 232

Delta R.T. -0.05 min

Lab File: VF061001.D

Acq: 12 Dec 2018 17:47

Instrument :

MSVOA_F

ClientSampleId :

HR-05-121118-BRE

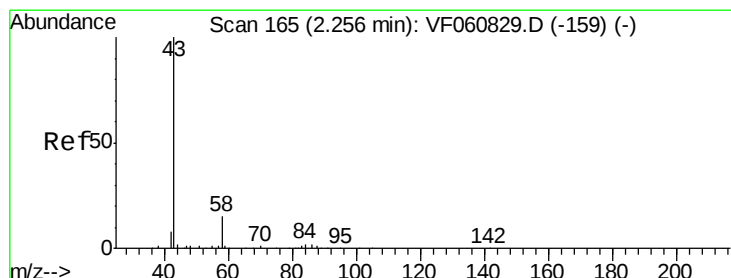
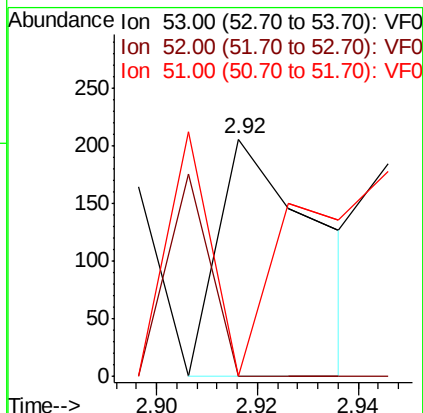
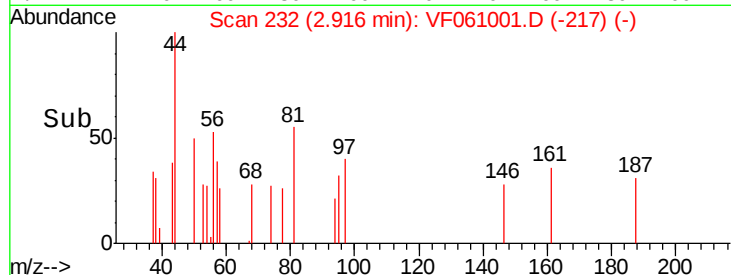
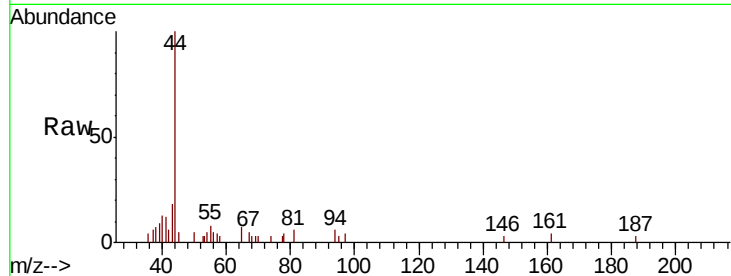
Tot Ion: 53 Resp: 283

Ion Ratio Lower Upper

53 100

52 0.0 76.5 114.7#

51 0.0 40.7 61.1#



#16

Acetone

Concen: 23.815 ug/l

RT: 2.24 min Scan# 163

Delta R.T. -0.02 min

Lab File: VF061001.D

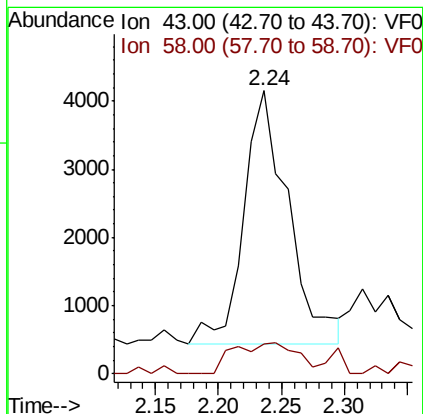
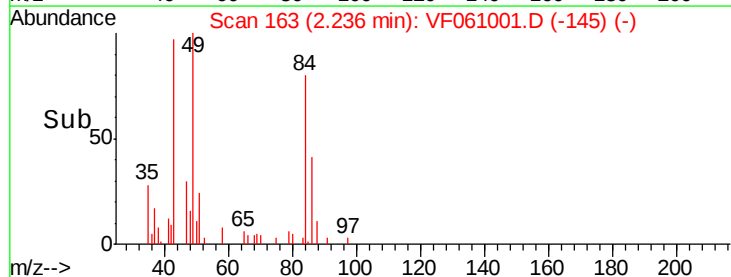
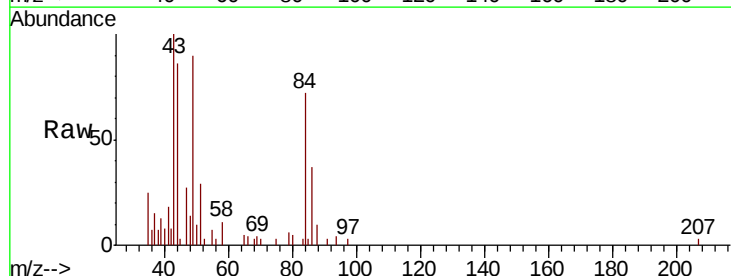
Acq: 12 Dec 2018 17:47

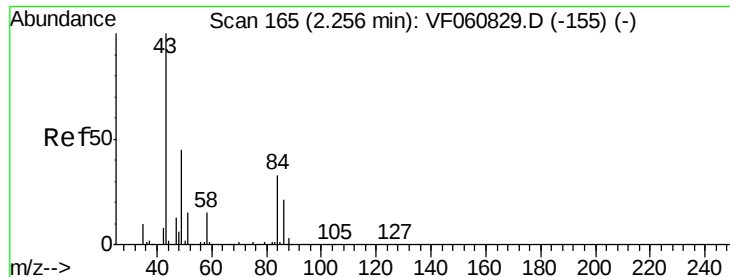
Tgt Ion: 43 Resp: 9075

Ion Ratio Lower Upper

43 100

58 10.7 11.4 17.2#

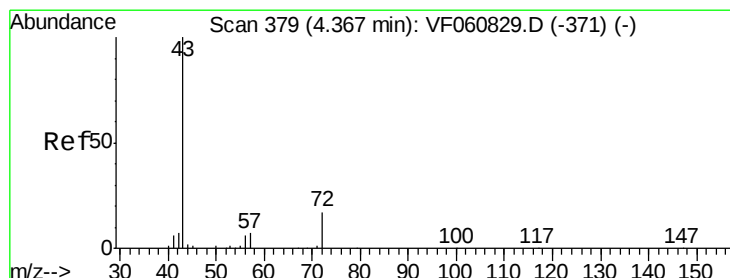
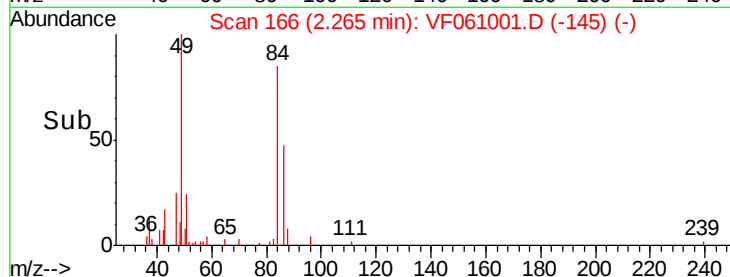
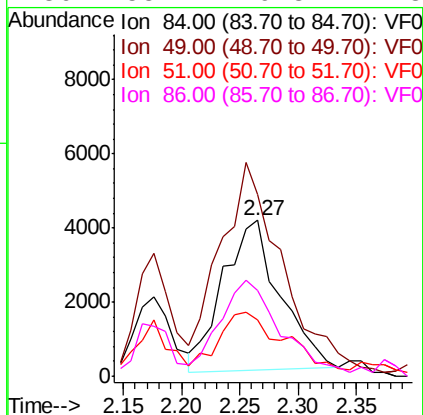
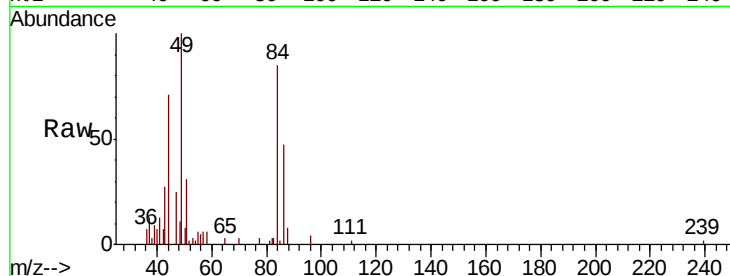




#20
Methvlene Chloride
Concen: 9.903 ug/l
RT: 2.27 min Scan# 166
Delta R.T. 0.01 min
Lab File: VF061001.D
Acq: 12 Dec 2018 17:47

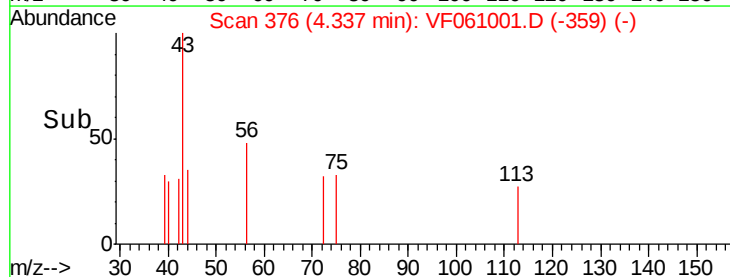
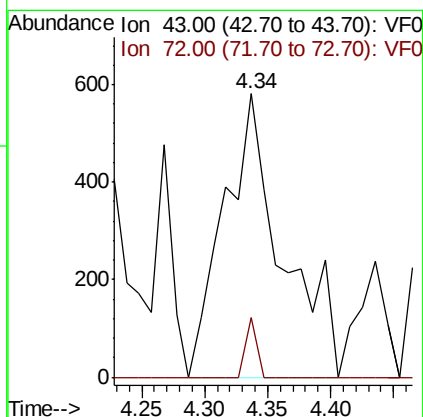
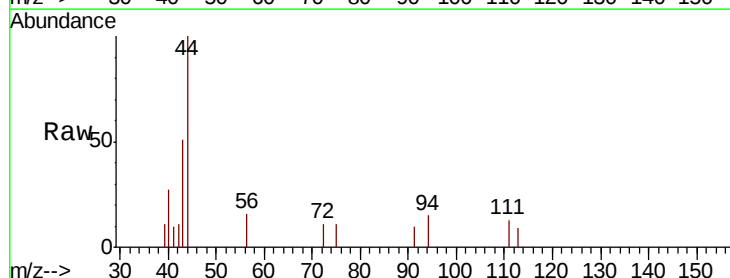
Instrument :
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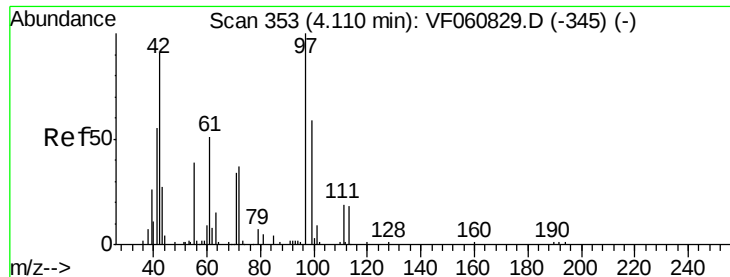
Tot Ion: 84 Resp: 13843
Ion Ratio Lower Upper
84 100
49 117.0 111.3 166.9
51 35.9 38.0 57.0#
86 55.4 49.8 74.8



#25
2-Butanone
Concen: 2.830 ug/l
RT: 4.34 min Scan# 376
Delta R.T. -0.03 min
Lab File: VF061001.D
Acq: 12 Dec 2018 17:47

Tgt Ion: 43 Resp: 1865
Ion Ratio Lower Upper
43 100
72 21.2 15.4 23.2





#29

Tetrahydrofuran

Concen: 4.578 ug/l

RT: 4.07 min Scan# 349

Delta R.T. -0.04 min

Lab File: VF061001.D

Acq: 12 Dec 2018 17:47

Instrument :

MSVOA_F

ClientSampleId :

HR-05-121118-BRE

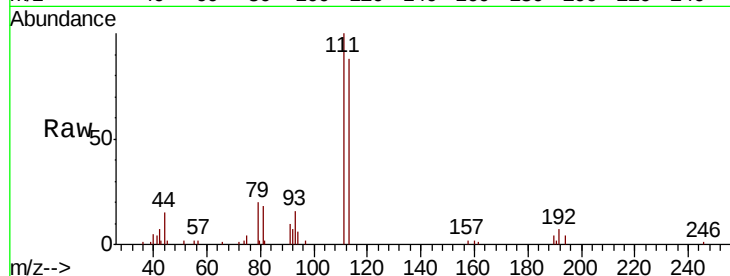
Tot Ion: 42 Resp: 1279

Ion Ratio Lower Upper

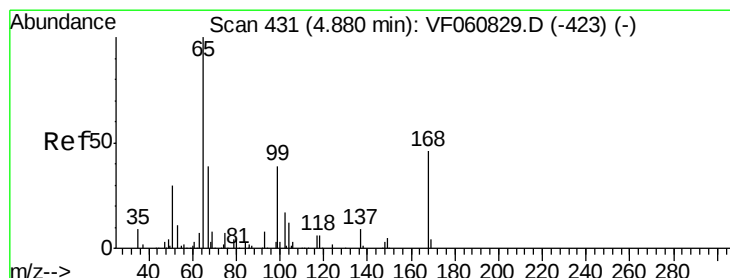
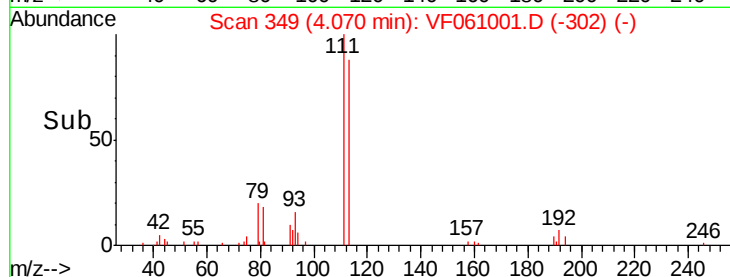
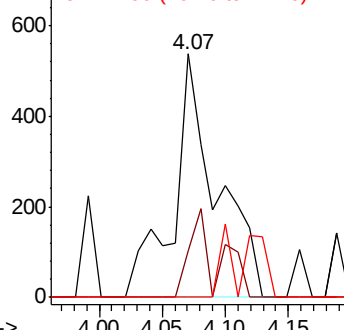
42 100

72 23.8 31.9 47.9#

71 0.0 28.7 43.1#



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: 52.429 ug/l

RT: 4.84 min Scan# 427

Delta R.T. -0.04 min

Lab File: VF061001.D

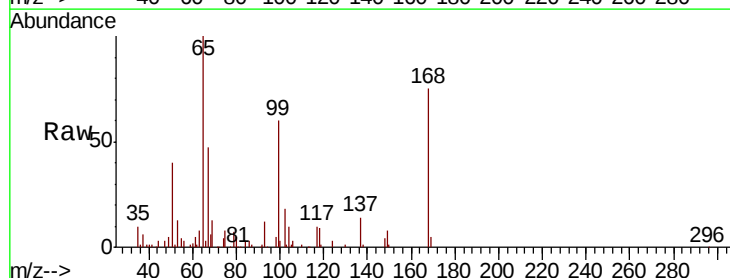
Acq: 12 Dec 2018 17:47

Tgt Ion: 65 Resp: 108339

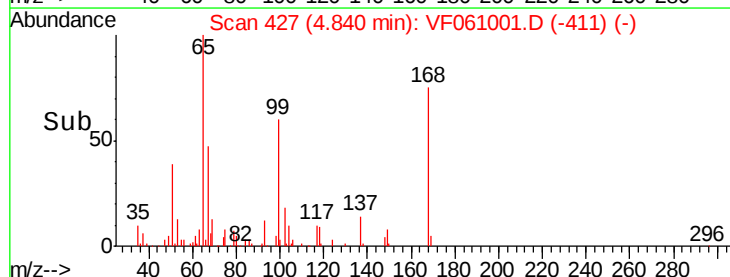
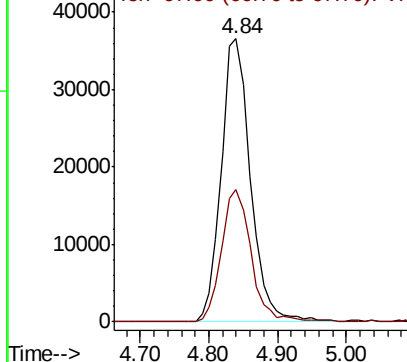
Ion Ratio Lower Upper

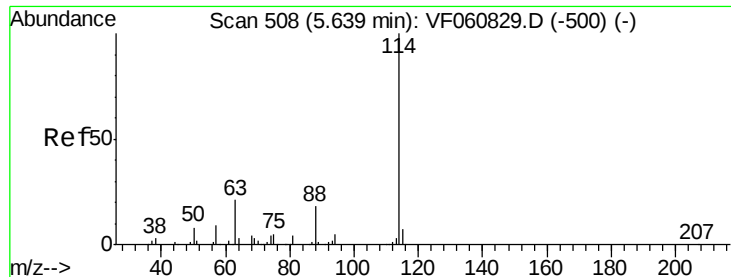
65 100

67 47.0 0.0 96.4



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: 5.59 min Scan# 503

Delta R.T. -0.05 min

Lab File: VF061001.D

Acq: 12 Dec 2018 17:47

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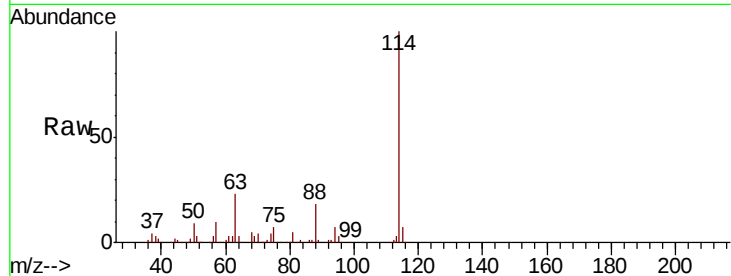
Tot Ion:114 Resp: 318522

Ion Ratio Lower Upper

114 100

63 22.6 0.0 41.6

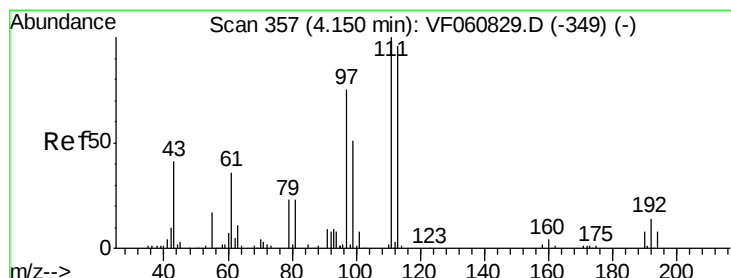
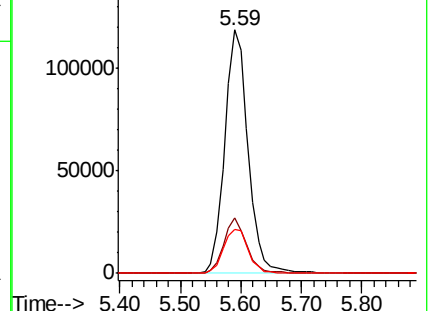
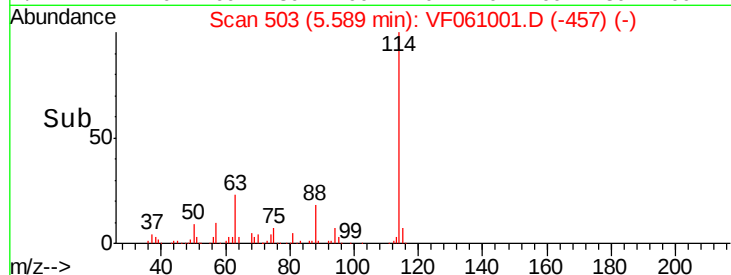
88 17.8 0.0 36.6



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: 45.568 ug/l

RT: 4.11 min Scan# 353

Delta R.T. -0.04 min

Lab File: VF061001.D

Acq: 12 Dec 2018 17:47

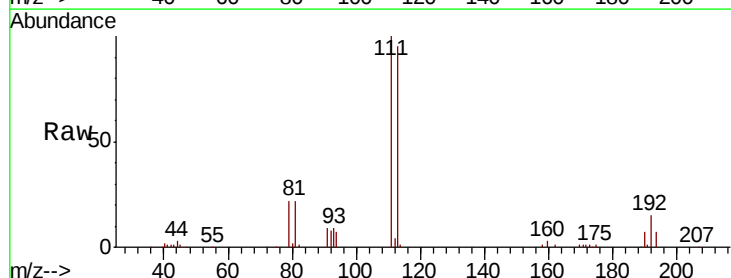
Tgt Ion:113 Resp: 115146

Ion Ratio Lower Upper

113 100

111 105.7 83.0 124.6

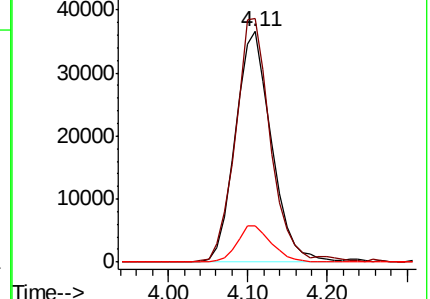
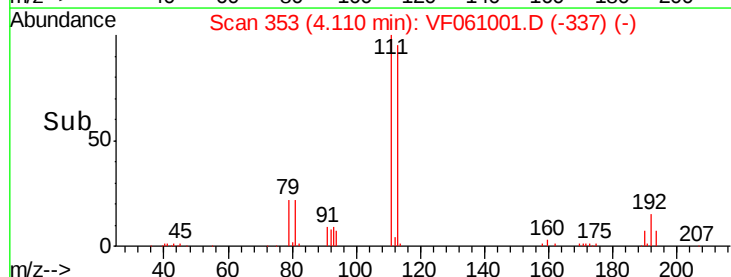
192 15.5 12.3 18.5

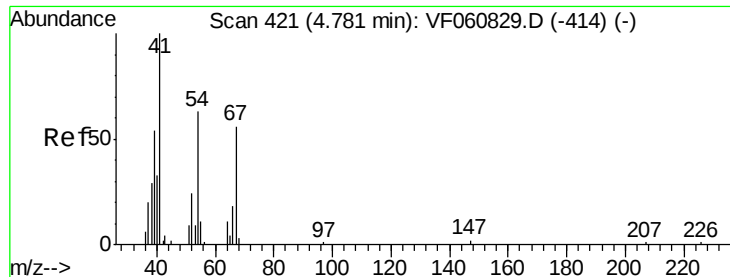


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#41

Methacrylonitrile

Concen: Below Cal

RT: 4.77 min Scan# 420

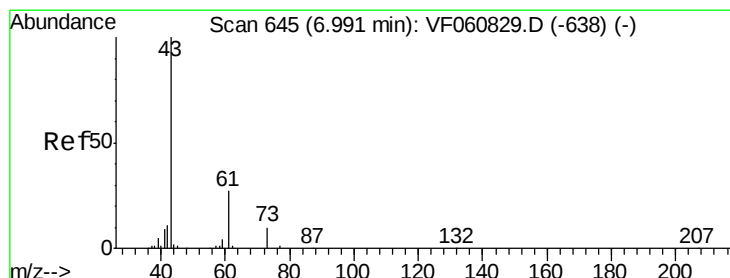
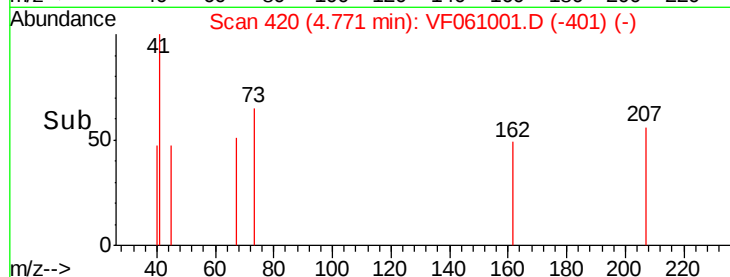
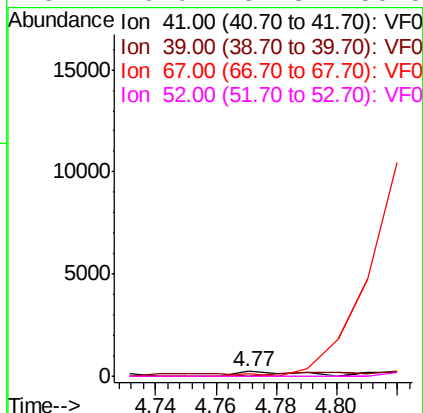
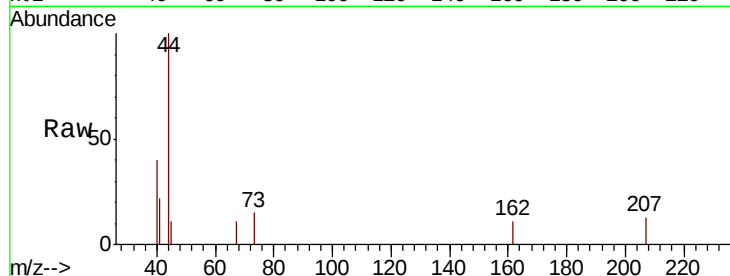
Delta R.T. -0.01 min

Lab File: VF061001.D

Acq: 12 Dec 2018 17:47

Instrument :
MSVOA_F
ClientSampleId :
HR-05-121118-BRE

Tot Ion:	41	Resp:	321
Ion	Ratio	Lower	Upper
41	100		
39	0.0	53.0	79.6#
67	50.6	43.8	65.6
52	0.0	37.8	56.8#



#43

Isopropyl Acetate

Concen: Below Cal

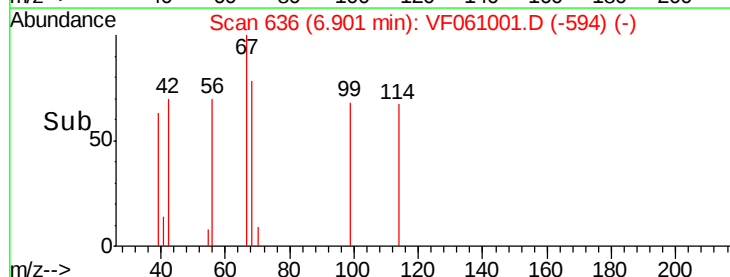
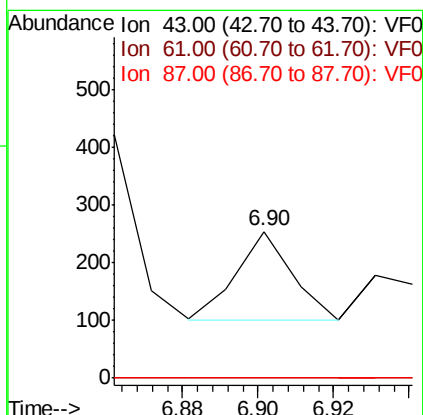
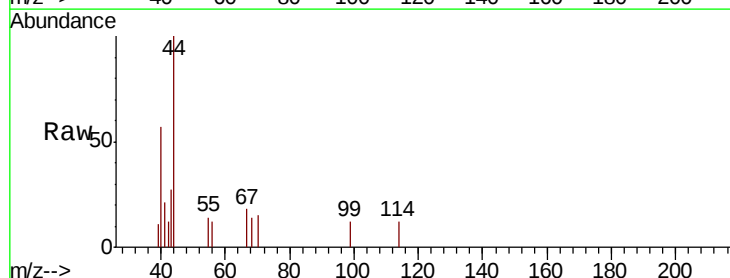
RT: 6.90 min Scan# 636

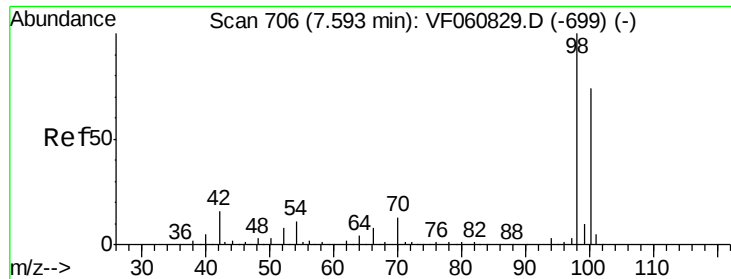
Delta R.T. -0.09 min

Lab File: VF061001.D

Acq: 12 Dec 2018 17:47

Tgt Ion:	43	Resp:	158
Ion	Ratio	Lower	Upper
43	100		
61	0.0	21.4	32.0#
87	0.0	0.2	0.4#

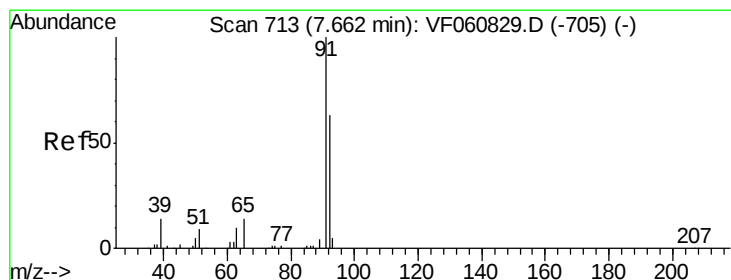
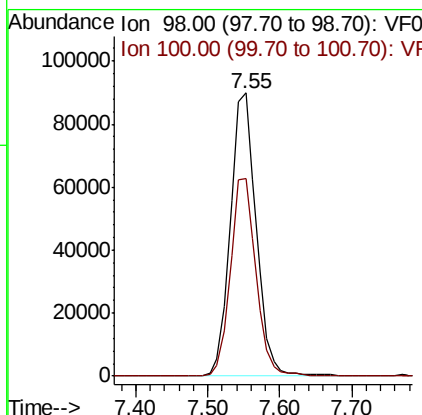
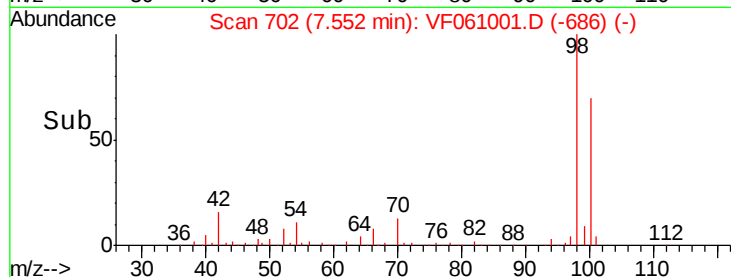
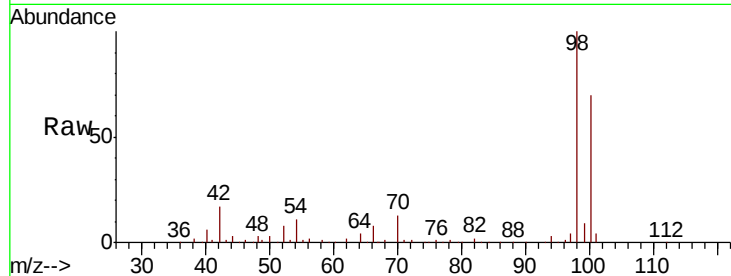




#50
Toluene-d8
Concen: 30.224 ug/l
RT: 7.55 min Scan# 702
Delta R.T. -0.04 min
Lab File: VF061001.D
Acq: 12 Dec 2018 17:47

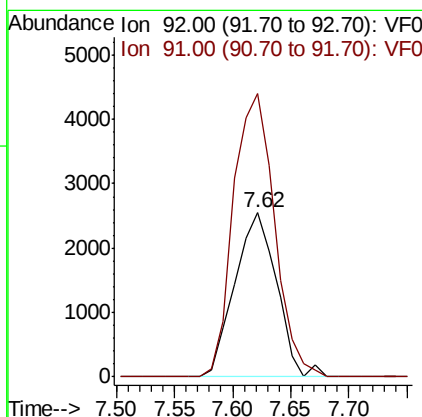
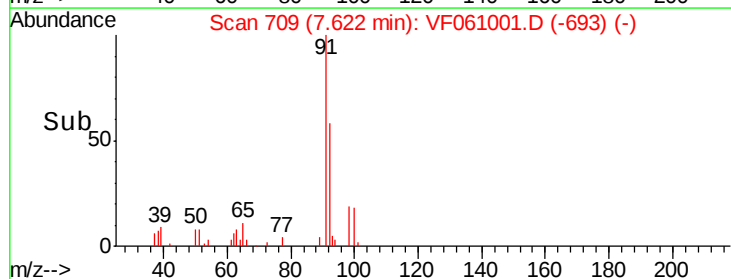
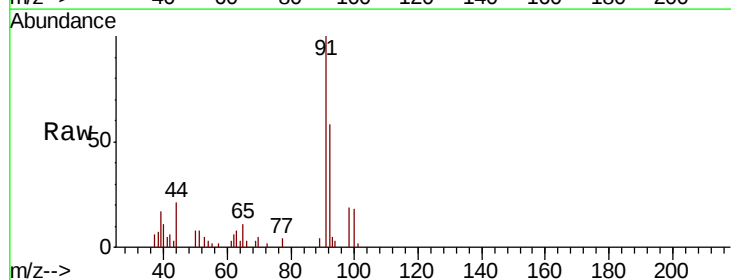
Instrument :
MSVOA_F
ClientSampleId :
HR-05-121118-BRE

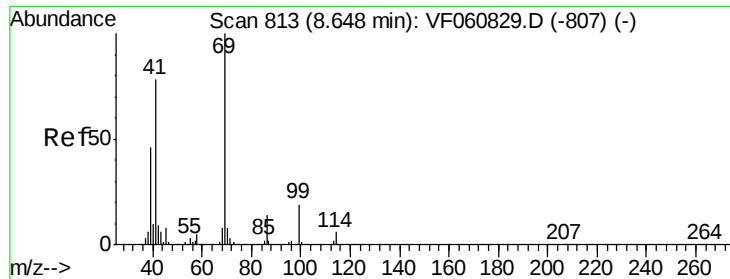
Tot Ion: 98 Resp: 224970
Ion Ratio Lower Upper
98 100
100 69.7 59.3 88.9



#52
Toluene
Concen: 1.157 ug/l
RT: 7.62 min Scan# 709
Delta R.T. -0.04 min
Lab File: VF061001.D
Acq: 12 Dec 2018 17:47

Tgt Ion: 92 Resp: 6343
Ion Ratio Lower Upper
92 100
91 172.8 126.2 189.2





#56

Ethyl methacrylate

Concen: 4.127 ug/l

RT: 8.62 min Scan# 810

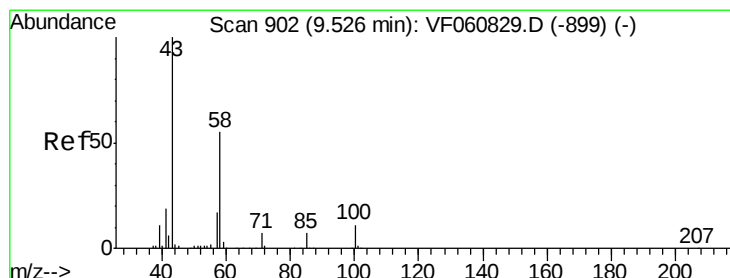
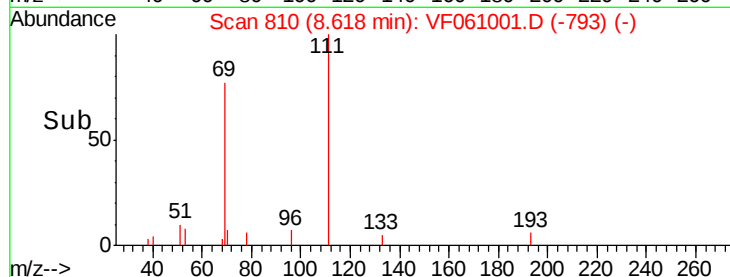
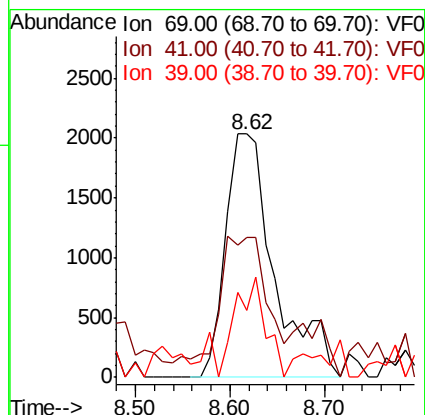
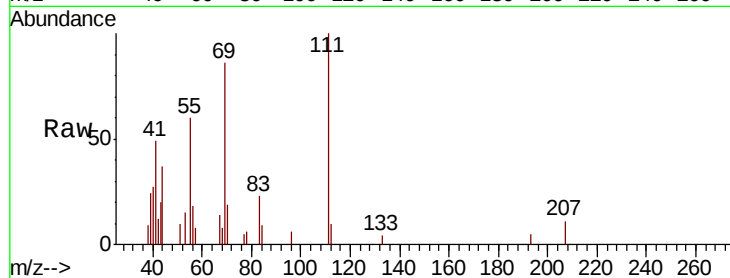
Delta R.T. -0.03 min

Lab File: VF061001.D

Acq: 12 Dec 2018 17:47

Instrument :
MSVOA_F
ClientSampleId :
HR-05-121118-BRE

Tot Ion:	69.00	Resp:	7323
Ion	Ratio	Lower	Upper
69	100		
41	57.7	62.6	94.0#
39	27.5	37.8	56.6#



#59

2-Hexanone

Concen: 2.026 ug/l

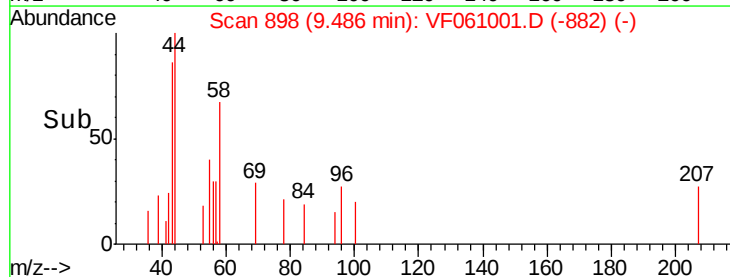
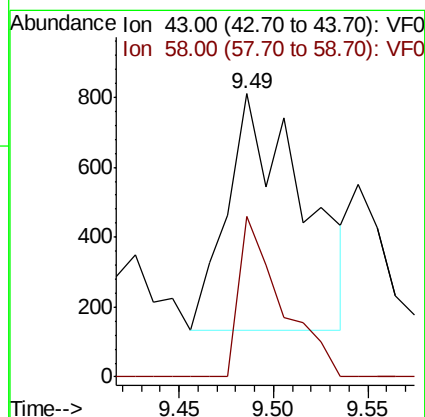
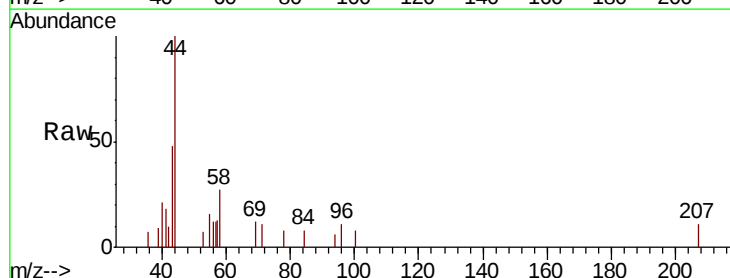
RT: 9.49 min Scan# 898

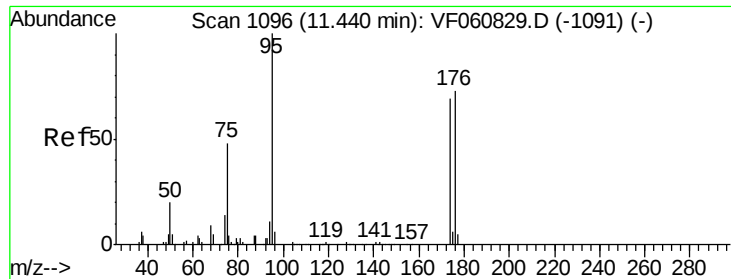
Delta R.T. -0.04 min

Lab File: VF061001.D

Acq: 12 Dec 2018 17:47

Tgt Ion:	43.00	Resp:	1882
Ion	Ratio	Lower	Upper
43	100		
58	56.5	25.6	76.6





#62

4-Bromofluorobenzene

Concen: 27.348 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. -0.03 min

Lab File: VF061001.D

Acq: 12 Dec 2018 17:47

Instrument :

MSVOA_F

ClientSampleId :

HR-05-121118-BRE

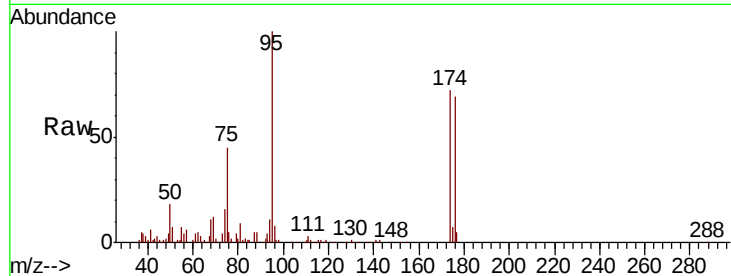
Tot Ion: 95 Resp: 92519

Ion Ratio Lower Upper

95 100

174 72.4 0.0 138.2

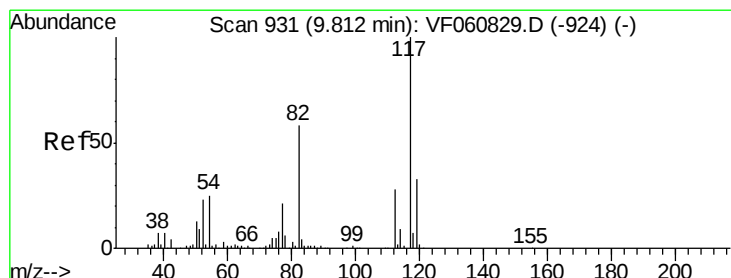
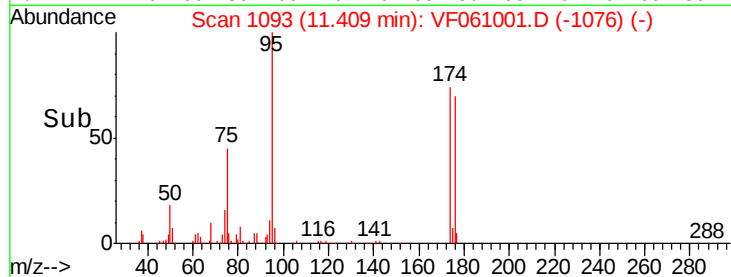
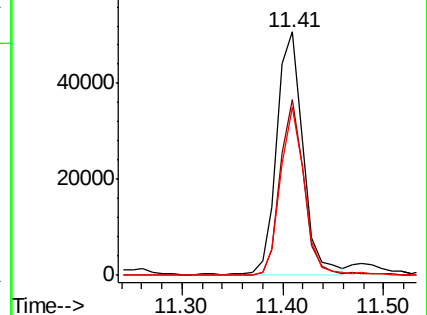
176 69.0 0.0 146.2



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: 9.77 min Scan# 927

Delta R.T. -0.04 min

Lab File: VF061001.D

Acq: 12 Dec 2018 17:47

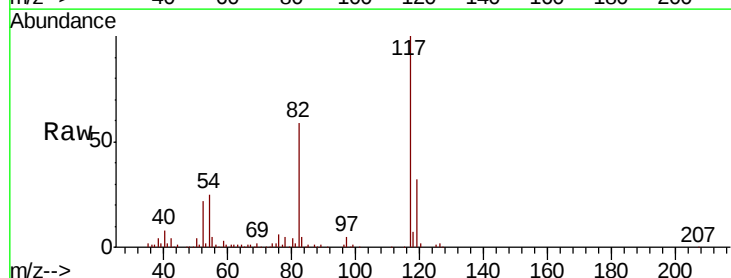
Tgt Ion: 117 Resp: 225249

Ion Ratio Lower Upper

117 100

82 59.1 46.6 69.8

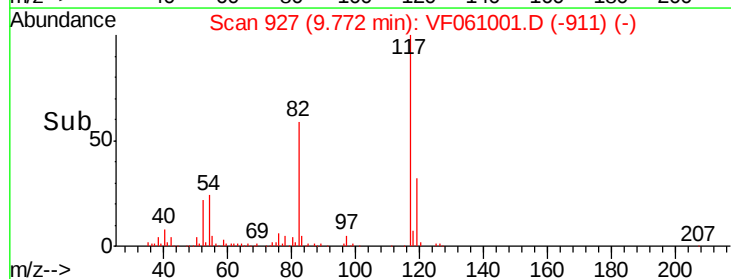
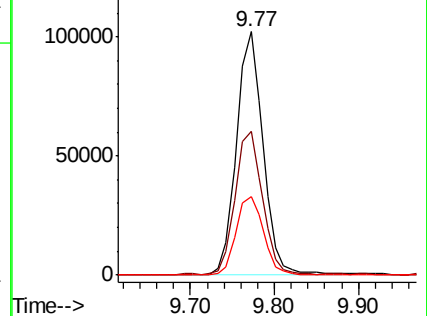
119 32.1 26.4 39.6

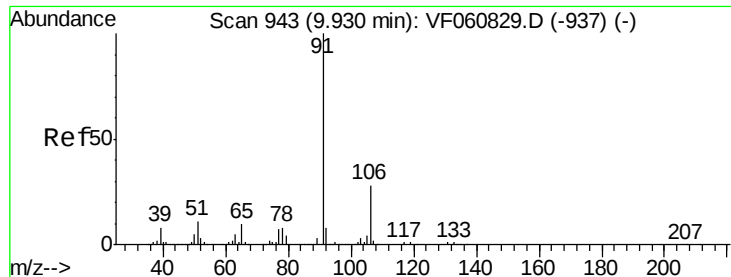


Abundance Ion 117.00 (116.70 to 117.70): VF0

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): VF0

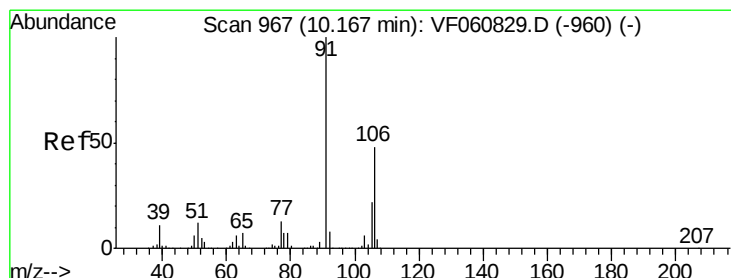
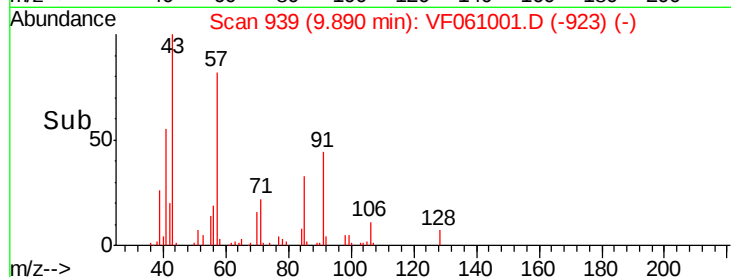
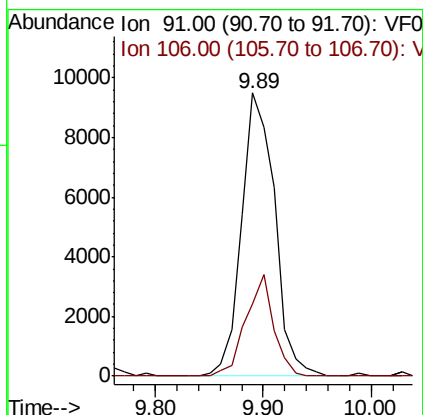
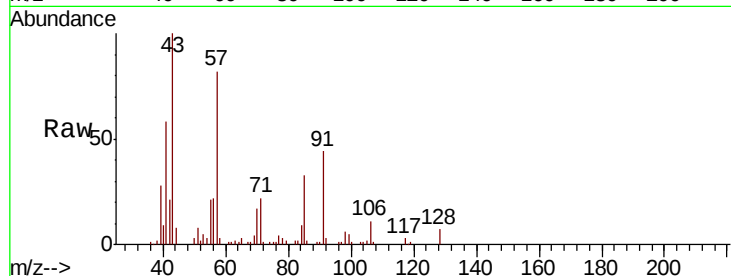




#67
Ethyl Benzene
Concen: 2.485 ug/l
RT: 9.89 min Scan# 939
Delta R.T. -0.04 min
Lab File: VF061001.D
Acq: 12 Dec 2018 17:47

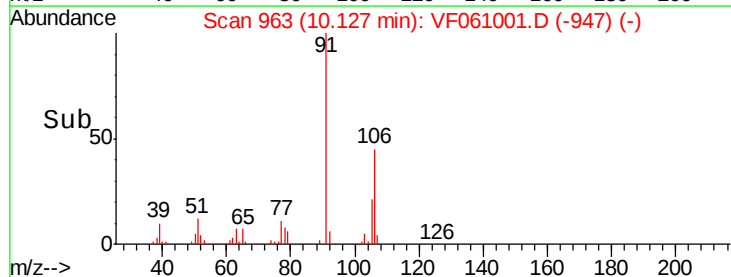
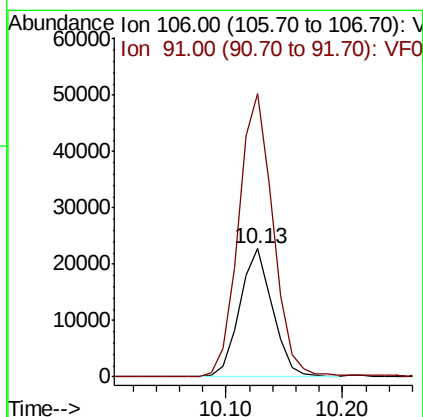
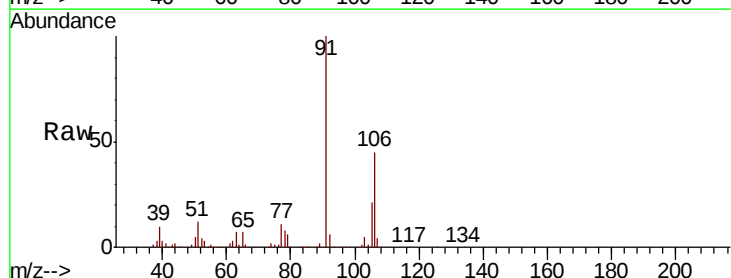
Instrument :
MSVOA_F
ClientSampleId :
HR-05-121118-BRE

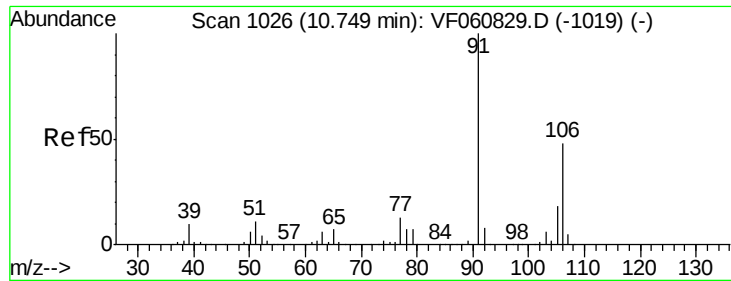
Tot Ion: 91 Resp: 20275
Ion Ratio Lower Upper
91 100
106 25.4 22.2 33.2



#68
m/p-Xylenes
Concen: 15.246 ug/l
RT: 10.13 min Scan# 963
Delta R.T. -0.04 min
Lab File: VF061001.D
Acq: 12 Dec 2018 17:47

Tgt Ion: 106 Resp: 44734
Ion Ratio Lower Upper
106 100
91 221.4 166.7 250.1

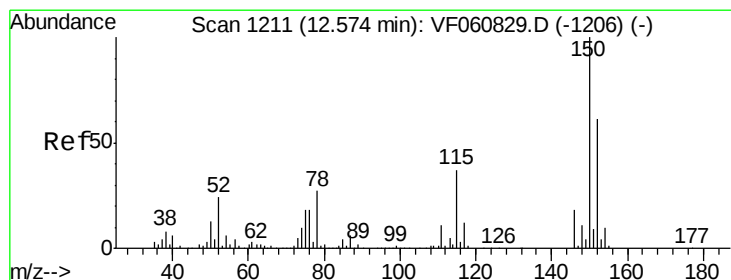
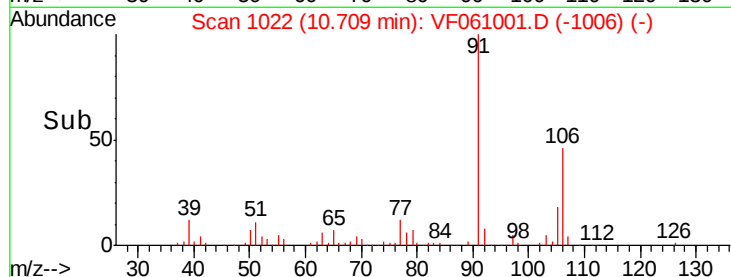
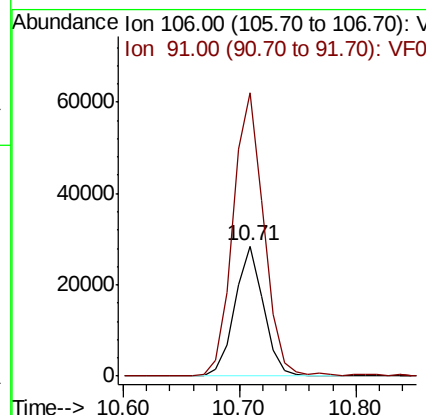
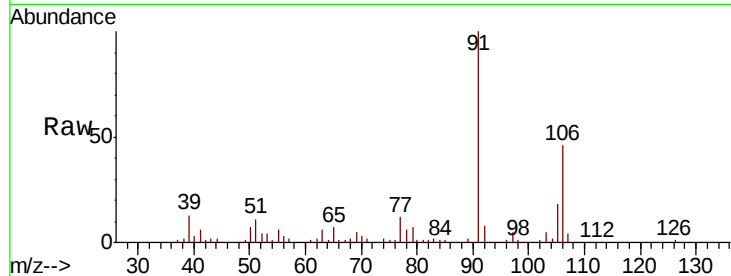




#69
o-Xylene
Concen: 15.036 ug/l
RT: 10.71 min Scan# 1022
Delta R.T. -0.04 min
Lab File: VF061001.D
Acq: 12 Dec 2018 17:47

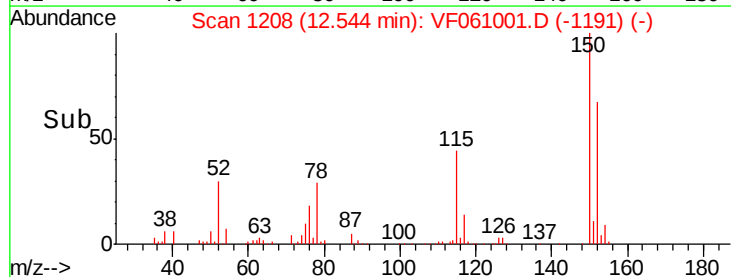
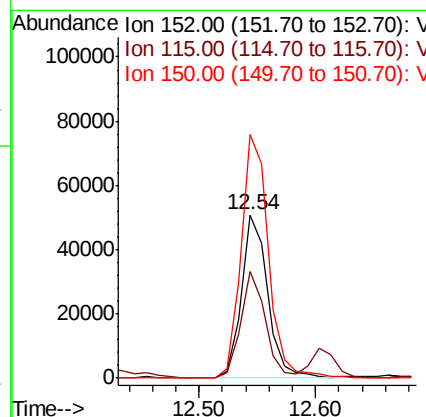
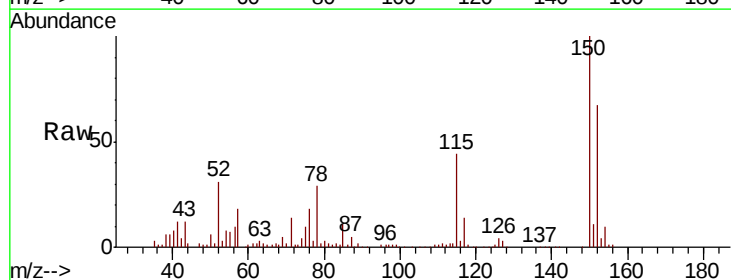
Instrument :
MSVOA_F
ClientSampleId :
HR-05-121118-BRE

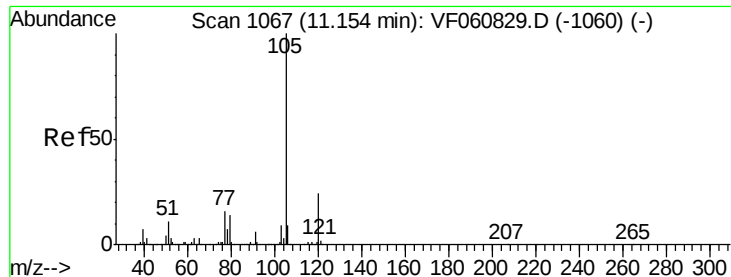
Tot Ion:106 Resp: 48647
Ion Ratio Lower Upper
106 100
91 217.8 104.8 314.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.54 min Scan# 1208
Delta R.T. -0.03 min
Lab File: VF061001.D
Acq: 12 Dec 2018 17:47

Tgt Ion:152 Resp: 79678
Ion Ratio Lower Upper
152 100
115 65.3 30.1 90.5
150 149.4 0.0 327.6





#73

Isopropylbenzene

Concen: 2.669 ug/l

RT: 11.12 min Scan# 1064

Delta R.T. -0.03 min

Lab File: VF061001.D

Acq: 12 Dec 2018 17:47

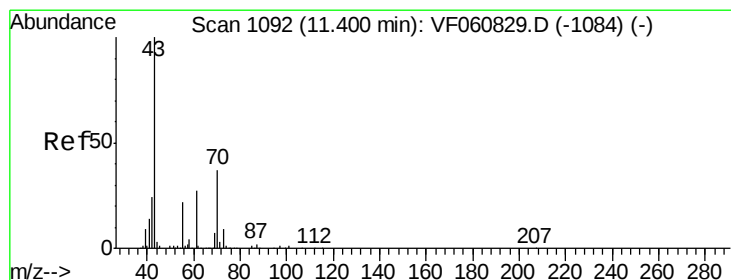
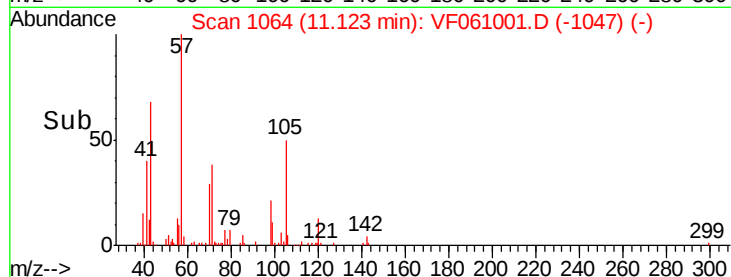
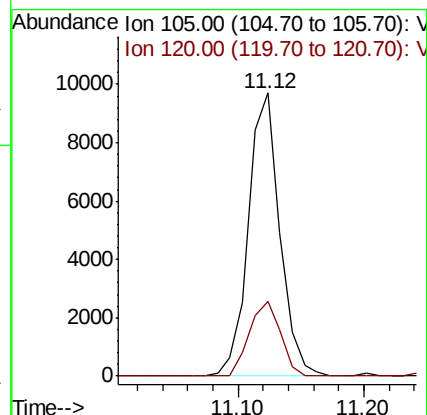
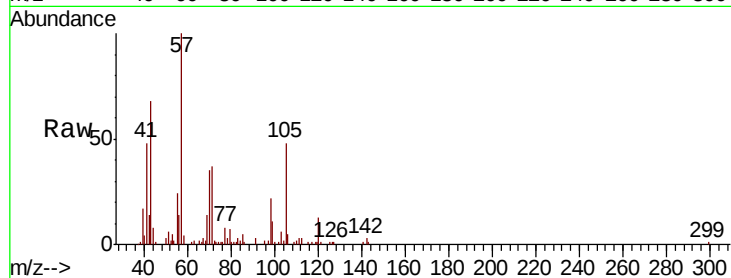
Instrument :
MSVOA_F
ClientSampleId :
HR-05-121118-BRE

Tot Ion:105 Resp: 16808

Ion Ratio Lower Upper

105 100

120 26.6 12.2 36.4



#74

N-ethyl acetate

Concen: 22.462 ug/l

RT: 11.26 min Scan# 1078

Delta R.T. -0.14 min

Lab File: VF061001.D

Acq: 12 Dec 2018 17:47

Tgt Ion: 43 Resp: 32659

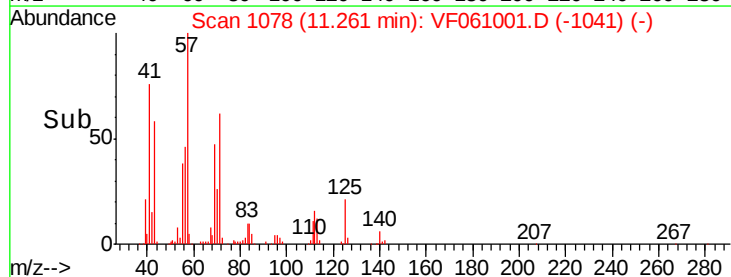
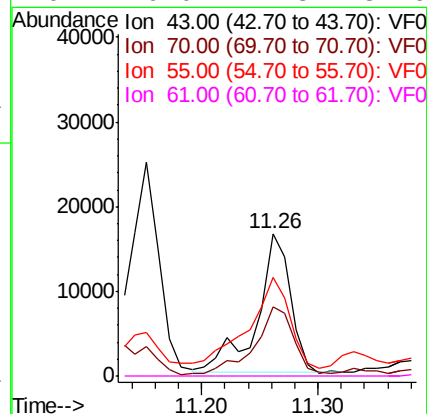
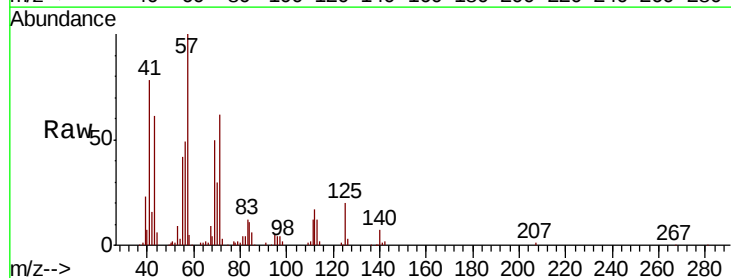
Ion Ratio Lower Upper

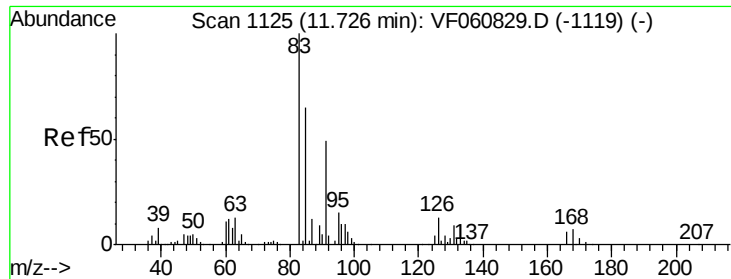
43 100

70 48.5 29.6 44.4#

55 69.5 17.2 25.8#

61 0.0 21.8 32.6#





#75

1,1,2,2-Tetrachloroethane

Concen: 2.146 ug/l

RT: 11.76 min Scan# 1129

Delta R.T. 0.04 min

Lab File: VF061001.D

Acq: 12 Dec 2018 17:47

Instrument :

MSVOA_F

ClientSampleId :

HR-05-121118-BRE

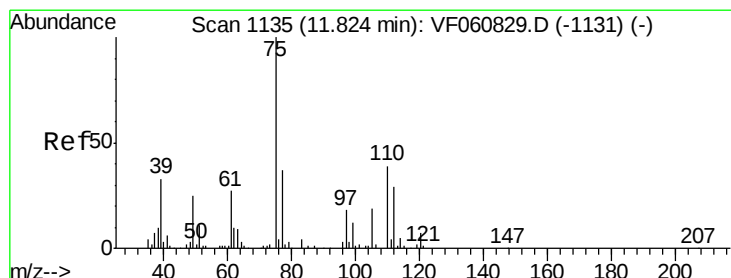
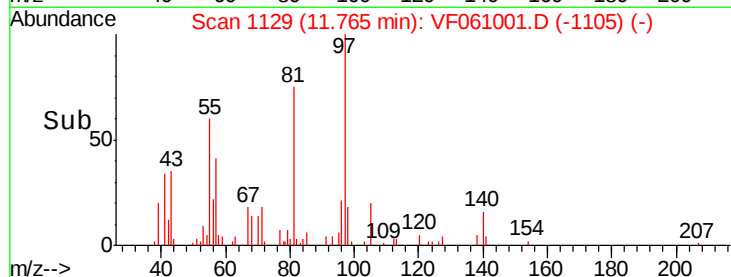
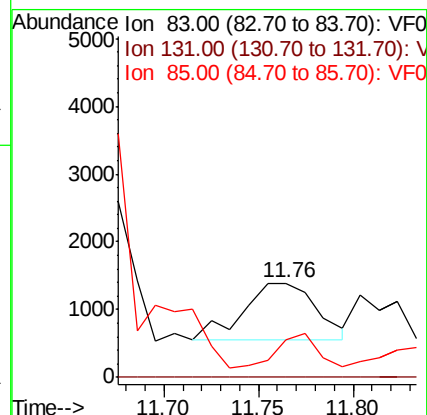
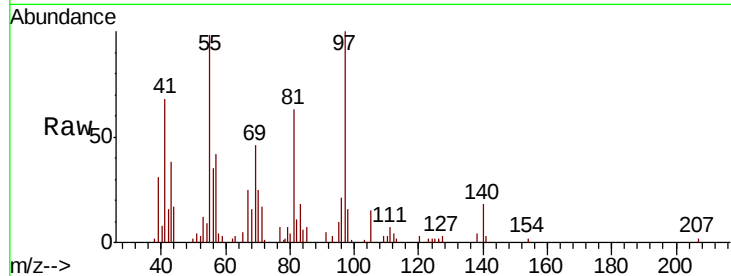
Tot Ion: 83 Resp: 2224

Ion Ratio Lower Upper

83 100

131 0.0 4.7 14.1#

85 40.4 32.6 97.8



#76

1,2,3-Trichloropropane

Concen: 2.926 ug/l

RT: 11.81 min Scan# 1134

Delta R.T. -0.01 min

Lab File: VF061001.D

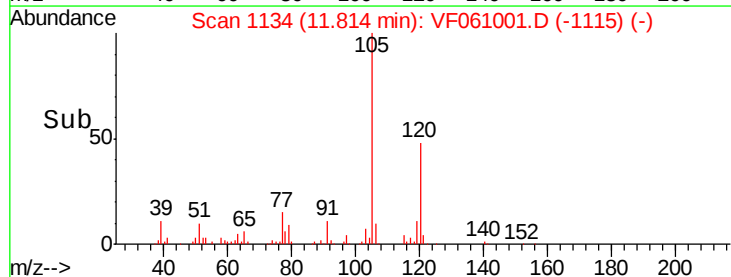
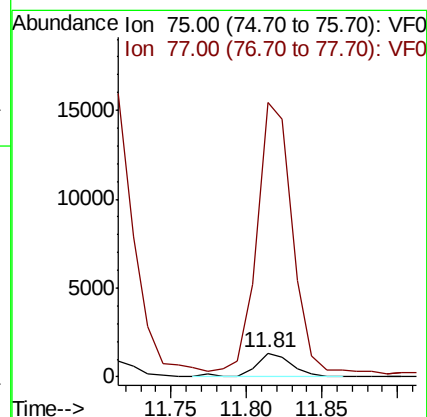
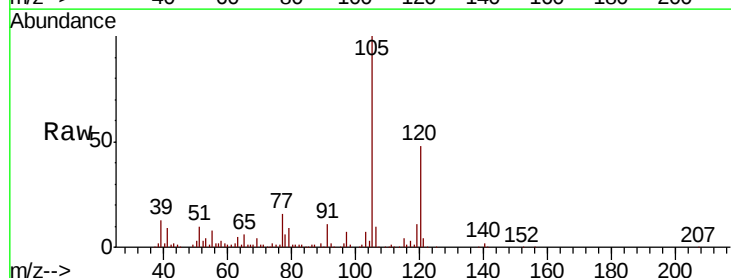
Acq: 12 Dec 2018 17:47

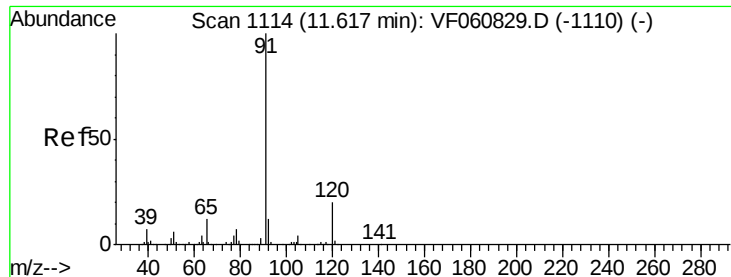
Tgt Ion: 75 Resp: 2204

Ion Ratio Lower Upper

75 100

77 1136.8 18.4 55.4#





#78

n-propylbenzene

Concen: 8.953 ug/l

RT: 11.59 min Scan# 1111

Delta R.T. -0.03 min

Lab File: VF061001.D

Acq: 12 Dec 2018 17:47

Instrument :

MSVOA_F

ClientSampleId :

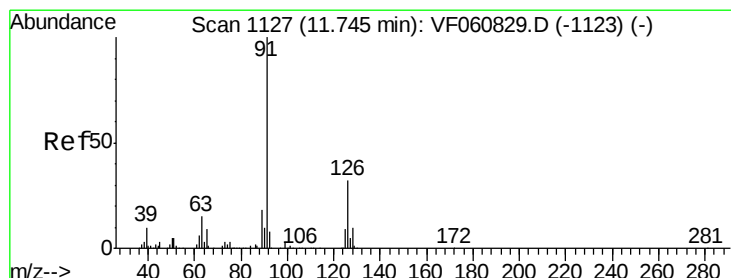
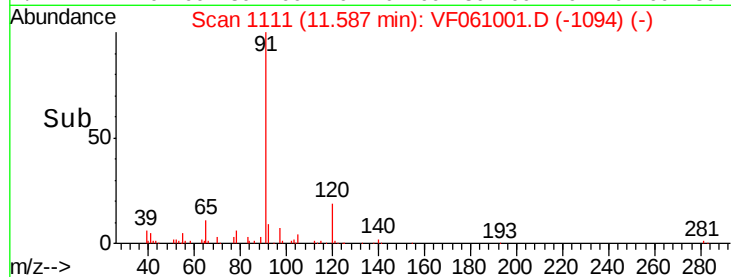
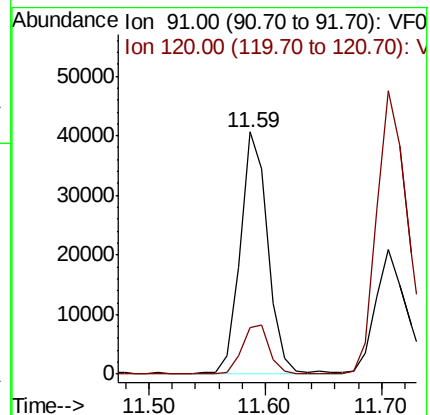
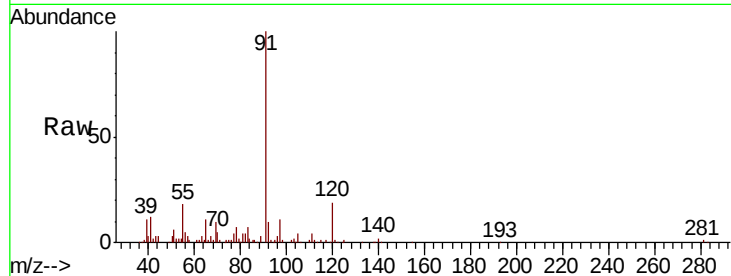
HR-05-121118-BRE

Tot Ion: 91 Resp: 66019

Ion Ratio Lower Upper

91 100

120 19.2 10.3 30.8



#79

2-Chlorotoluene

Concen: 8.845 ug/l

RT: 11.71 min Scan# 1123

Delta R.T. -0.04 min

Lab File: VF061001.D

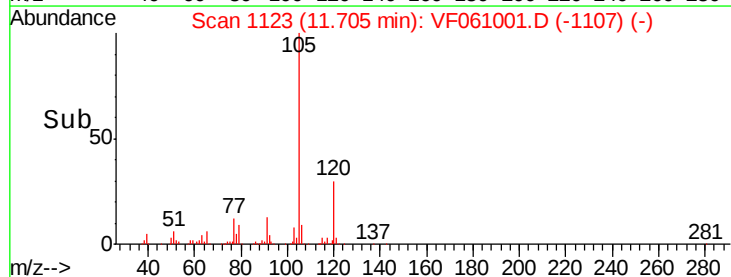
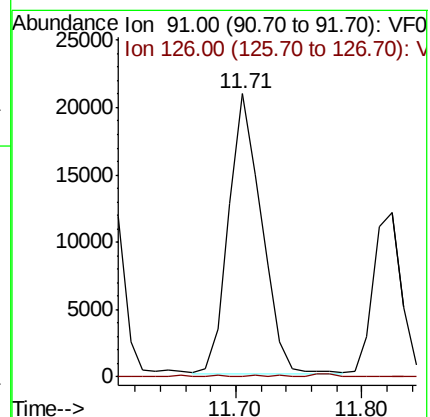
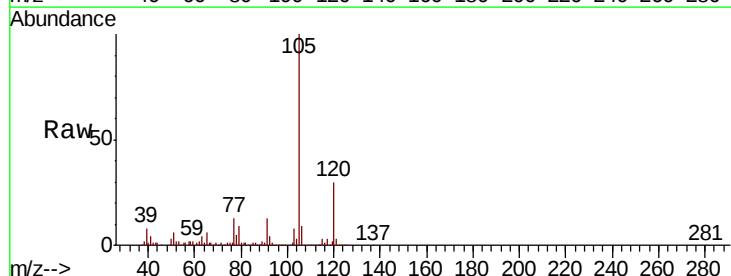
Acq: 12 Dec 2018 17:47

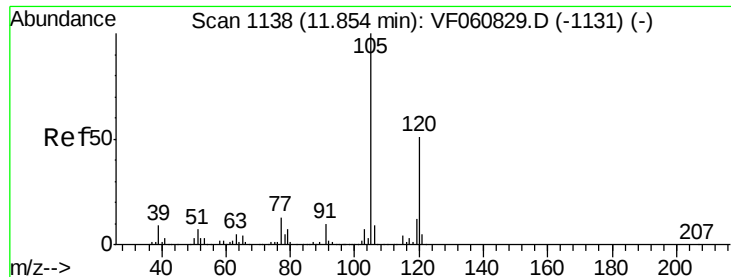
Tgt Ion: 91 Resp: 37397

Ion Ratio Lower Upper

91 100

126 0.0 15.9 47.6#

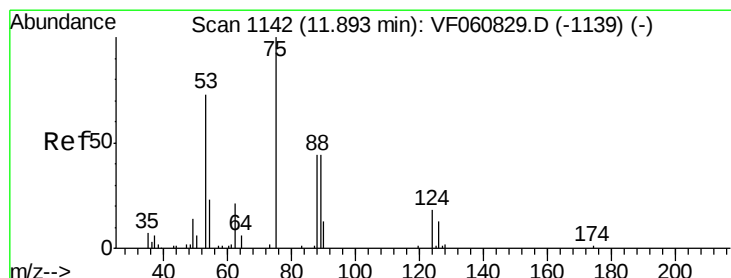
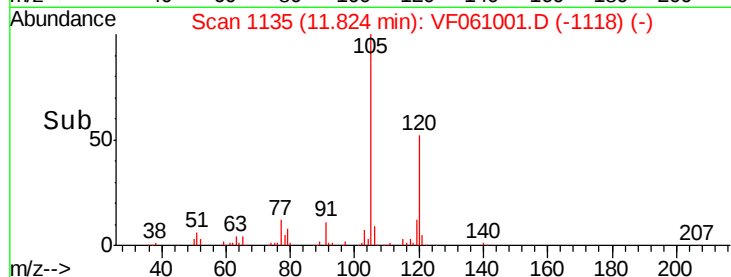
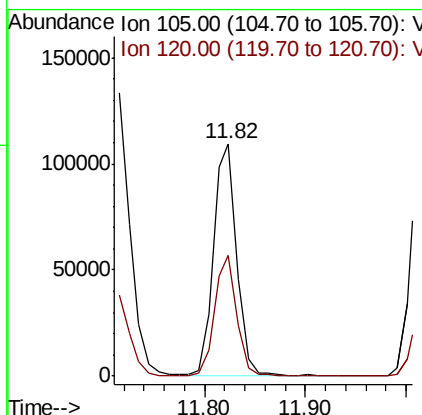
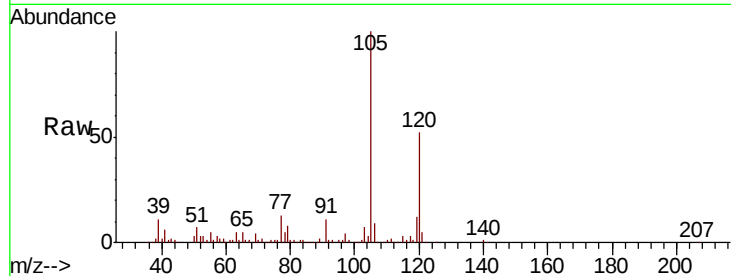




#80
 1,3,5-Trimethylbenzene
 Concen: 34.335 ug/l
 RT: 11.82 min Scan# 1135
 Delta R.T. -0.03 min
 Lab File: VF061001.D
 Acq: 12 Dec 2018 17:47

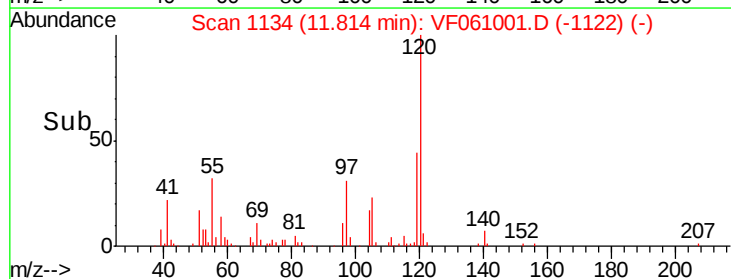
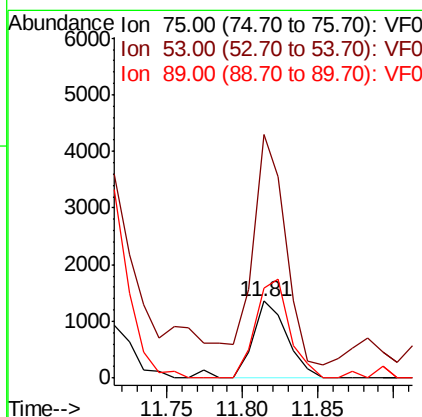
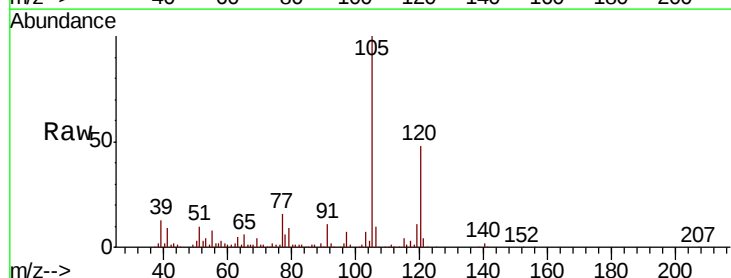
Instrument :
 MSVOA_F
 ClientSampleId :
 HR-05-121118-BRE

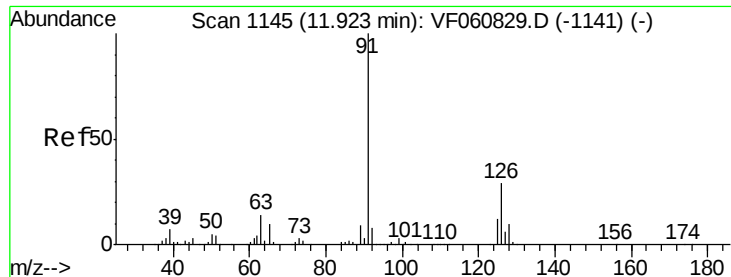
Tot Ion:105 Resp: 175507
 Ion Ratio Lower Upper
 105 100
 120 51.9 25.8 77.3



#81
 trans-1,4-Dichloro-2-butene
 Concen: 5.972 ug/l
 RT: 11.81 min Scan# 1134
 Delta R.T. -0.08 min
 Lab File: VF061001.D
 Acq: 12 Dec 2018 17:47

Tgt Ion: 75 Resp: 2204
 Ion Ratio Lower Upper
 75 100
 53 316.8 65.9 98.9#
 89 117.5 38.8 58.2#

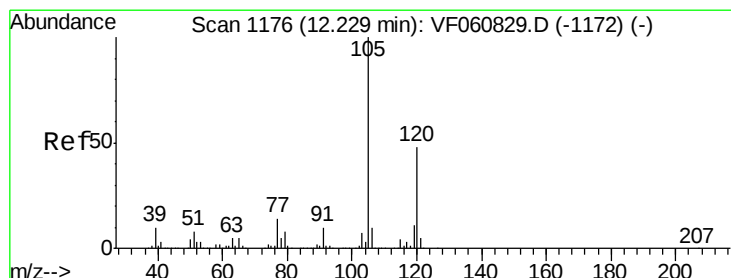
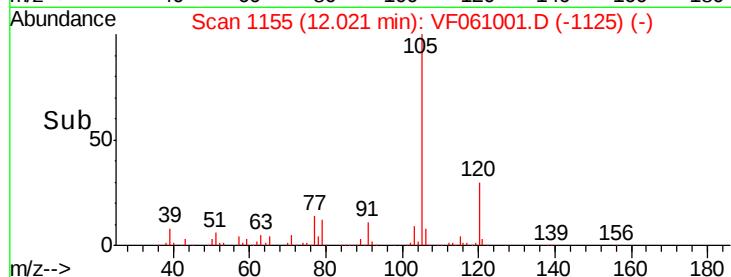
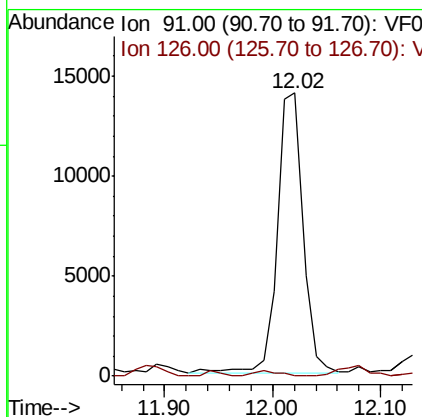
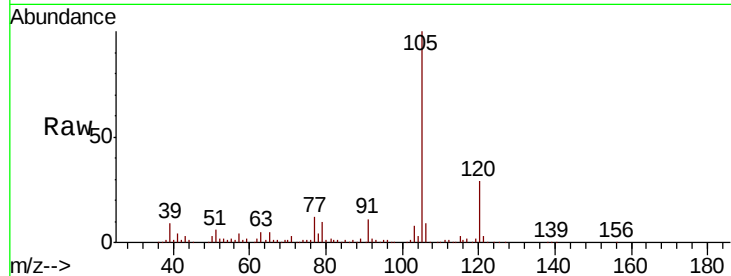




#82
4-Chlorotoluene
Concen: 5.221 ug/l
RT: 12.02 min Scan# 1155
Delta R.T. 0.10 min
Lab File: VF061001.D
Acq: 12 Dec 2018 17:47

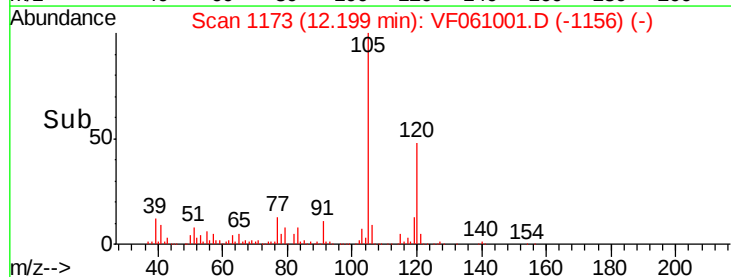
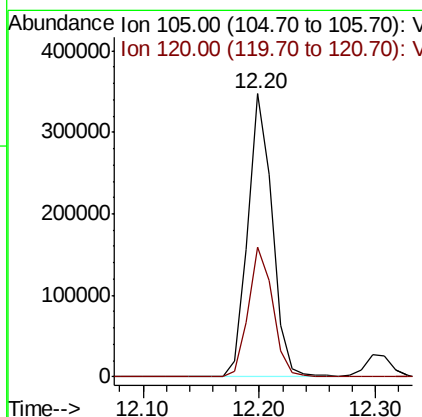
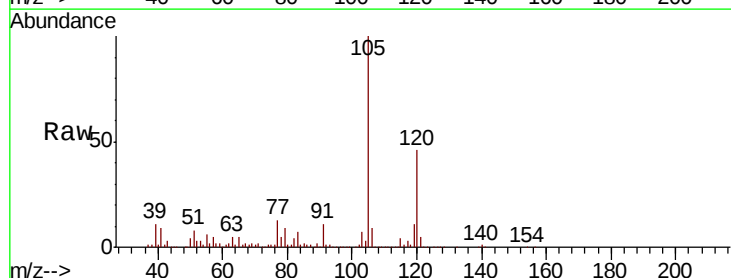
Instrument :
MSVOA_F
ClientSampleId :
HR-05-121118-BRE

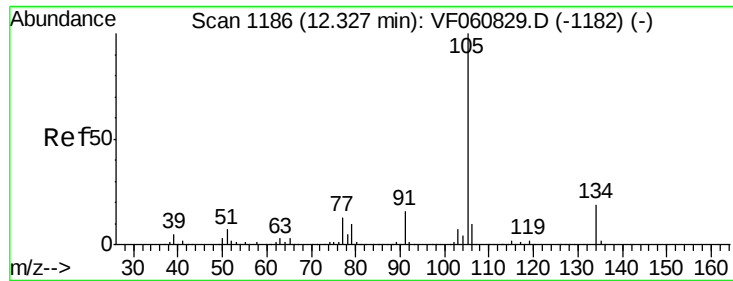
Tot Ion: 91 Resp: 23229
Ion Ratio Lower Upper
91 100
126 0.0 14.8 44.4#



#84
1,2,4-Trimethylbenzene
Concen: 98.918 ug/l
RT: 12.20 min Scan# 1173
Delta R.T. -0.03 min
Lab File: VF061001.D
Acq: 12 Dec 2018 17:47

Tgt Ion: 105 Resp: 504635
Ion Ratio Lower Upper
105 100
120 46.0 23.8 71.5





#85

sec-Butylbenzene

Concen: 5.983 ug/l

RT: 12.30 min Scan# 1183

Delta R.T. -0.03 min

Lab File: VF061001.D

Acq: 12 Dec 2018 17:47

Instrument :

MSVOA_F

ClientSampleId :

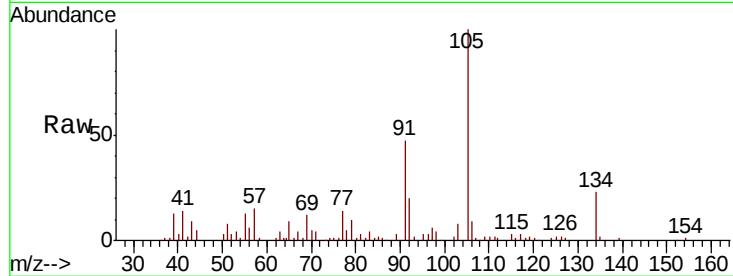
HR-05-121118-BRE

Tot Ion:105 Resp: 42643

Ion Ratio Lower Upper

105 100

134 22.5 9.5 28.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

250000

200000

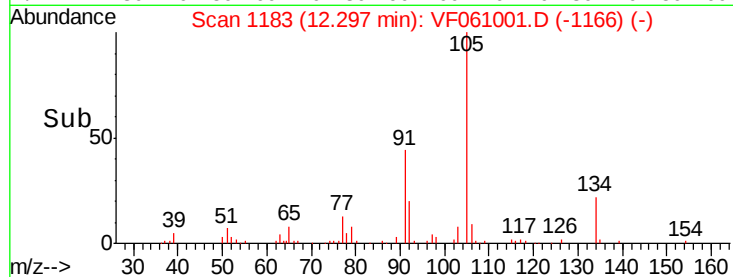
150000

100000

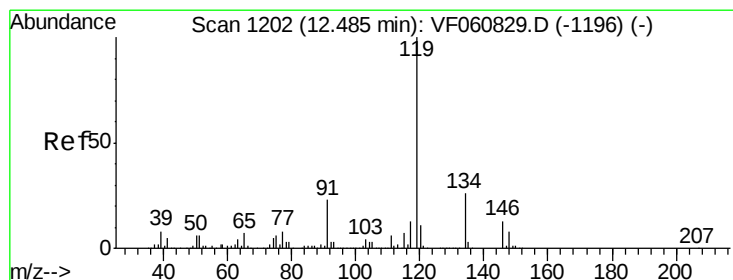
50000

0

12.25 12.30 12.35 12.40



Time-->



#86

p-Isopropyltoluene

Concen: 16.784 ug/l

RT: 12.43 min Scan# 1196

Delta R.T. -0.06 min

Lab File: VF061001.D

Acq: 12 Dec 2018 17:47

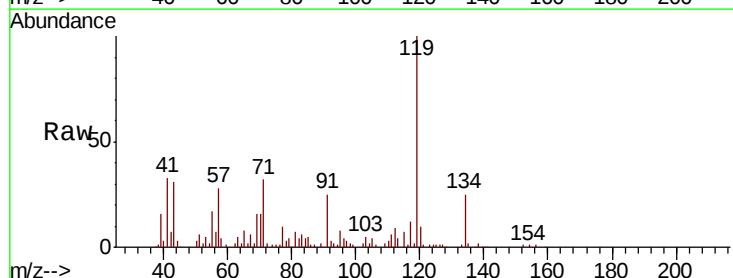
Tgt Ion:119 Resp: 100300

Ion Ratio Lower Upper

119 100

134 25.2 12.9 38.6

91 25.5 11.8 35.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

60000

50000

40000

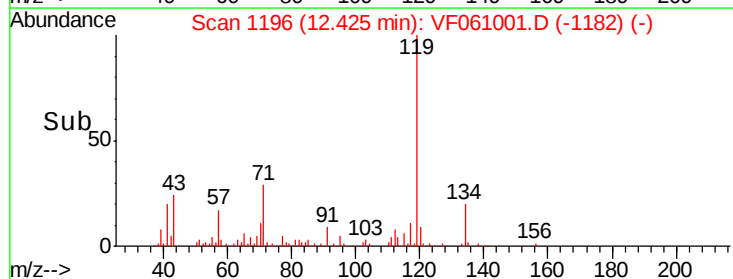
30000

20000

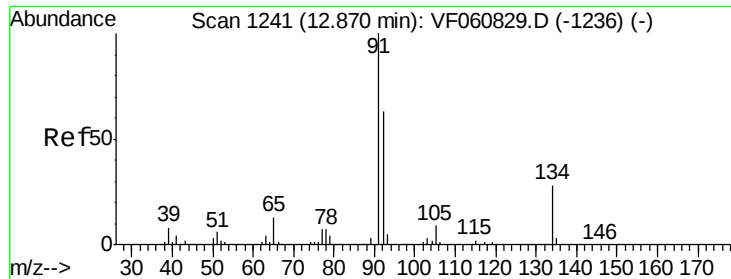
10000

0

12.30 12.40 12.50 12.60



Time-->



#89

n-Butylbenzene

Concen: 13.878 ug/l

RT: 12.84 min Scan# 1238

Delta R.T. -0.03 min

Lab File: VF061001.D

Acq: 12 Dec 2018 17:47

Instrument :

MSVOA_F

ClientSampleId :

HR-05-121118-BRE

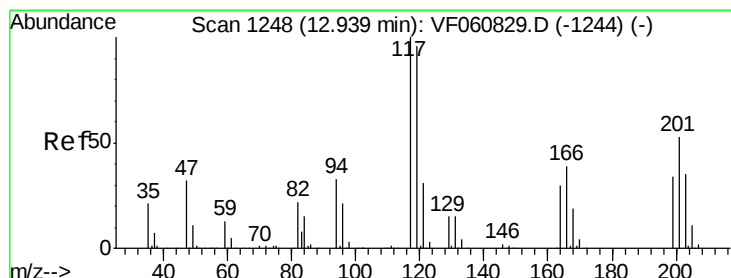
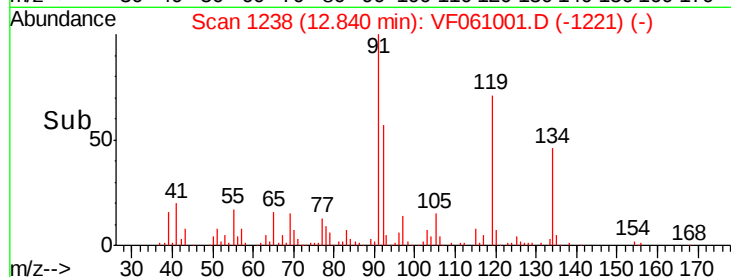
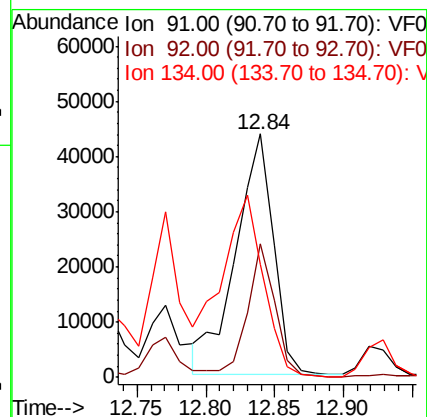
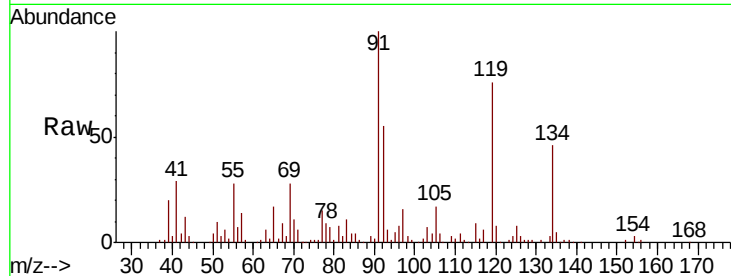
Tot Ion: 91 Resp: 83860

Ion Ratio Lower Upper

91 100

92 55.0 31.6 94.7

134 46.5 13.8 41.4#



#90

Hexachloroethane

Concen: 2.598 ug/l

RT: 12.93 min Scan# 1247

Delta R.T. -0.01 min

Lab File: VF061001.D

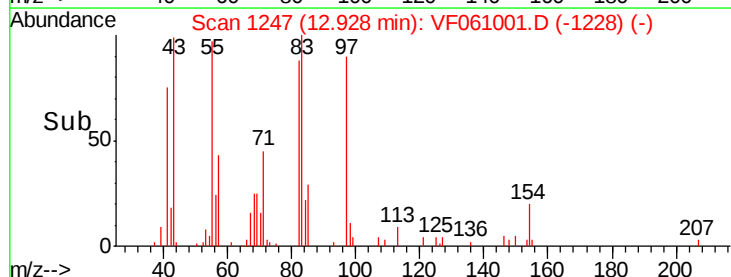
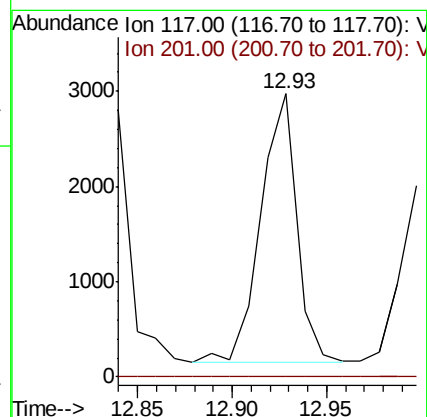
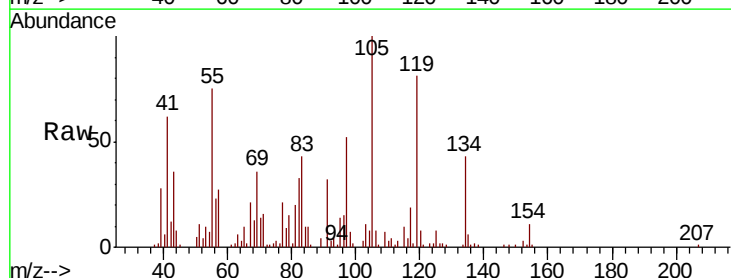
Acq: 12 Dec 2018 17:47

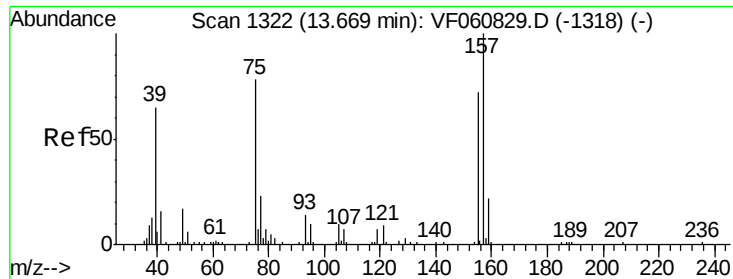
Tgt Ion: 117 Resp: 3738

Ion Ratio Lower Upper

117 100

201 0.0 26.7 80.1#

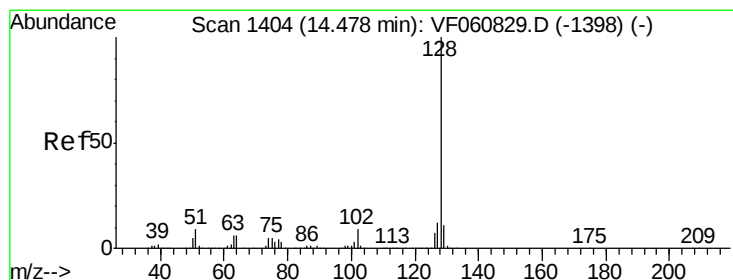
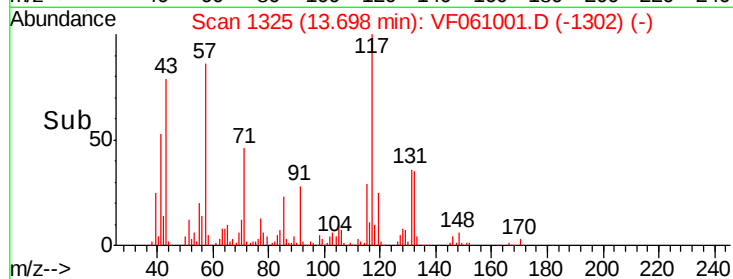
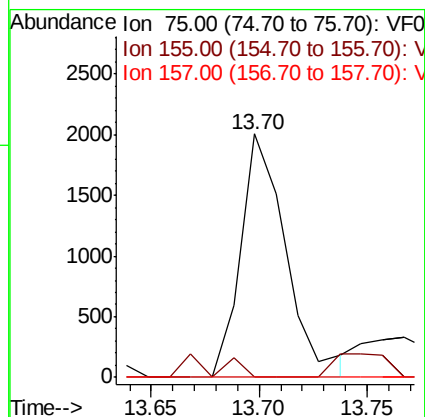
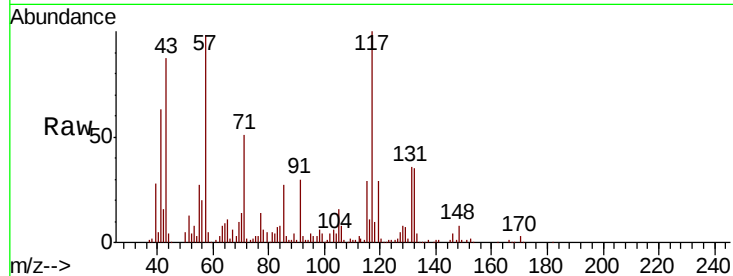




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 14.559 ug/l
 RT: 13.70 min Scan# 1325
 Delta R.T. 0.03 min
 Lab File: VF061001.D
 Acq: 12 Dec 2018 17:47

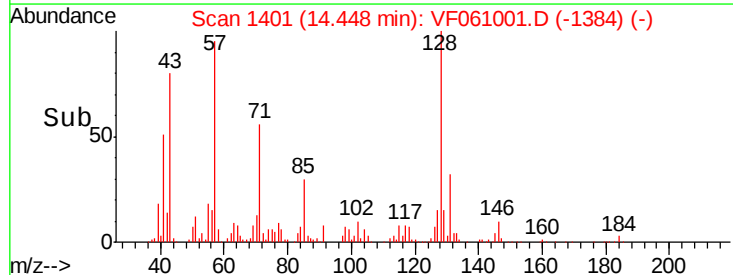
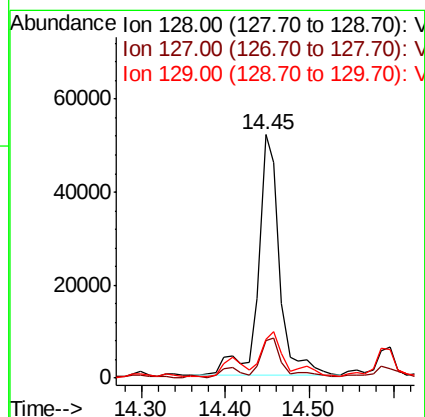
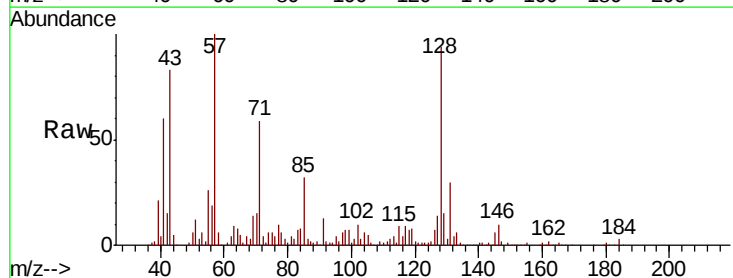
Instrument :
 MSVOA_F
 ClientSampleId :
 HR-05-121118-BRE

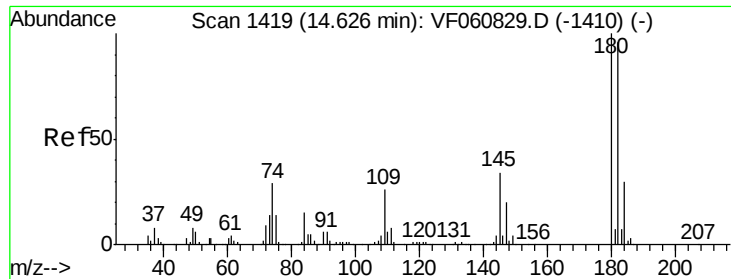
Tot Ion: 75 Resp: 2917
 Ion Ratio Lower Upper
 75 100
 155 0.0 45.6 136.9#
 157 0.0 63.8 191.5#



#95
 Naphthalene
 Concen: 26.051 ug/l
 RT: 14.45 min Scan# 1401
 Delta R.T. -0.03 min
 Lab File: VF061001.D
 Acq: 12 Dec 2018 17:47

Tgt Ion: 128 Resp: 93503
 Ion Ratio Lower Upper
 128 100
 127 15.3 9.9 14.9#
 129 15.8 9.1 13.7#





#96
 1,2,3-Trichlorobenzene
 Concen: 1.154 ug/l
 RT: 14.63 min Scan# 1419
 Delta R.T. -0.00 min
 Lab File: VF061001.D
 Acq: 12 Dec 2018 17:47

Instrument :
 MSVOA_F
 ClientSampleId :
 HR-05-121118-BRE

Tot Ion:180 Resp: 1862
 Ion Ratio Lower Upper
 180 100
 182 58.5 47.9 143.8
 145 250.9 17.2 51.5#

