

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF121218\
 Data File : VF061004.D
 Acq On : 12 Dec 2018 19:14
 Operator : VA/AP
 Sample : J6344-01RE
 Misc : 5.00µ/5mL/MSVOA-F/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 RBR-200027RE

Quant Time: Dec 13 01:26:49 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	180821	50.00	ug/l	-0.05
34) 1,4-Difluorobenzene	5.59	114	354207	50.00	ug/l	-0.05
63) Chlorobenzene-d5	9.77	117	194707	50.00	ug/l	-0.05
72) 1,4-Dichlorobenzene-d4	12.55	152	44288	50.00	ug/l	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.83	65	119528	56.11	ug/l	-0.05
Spiked Amount 50.000			Recovery =	112.22%		
35) Dibromofluoromethane	4.10	113	100211	35.66	ug/l	-0.05
Spiked Amount 50.000			Recovery =	71.32%		
50) Toluene-d8	7.55	98	224793	27.16	ug/l	-0.05
Spiked Amount 50.000			Recovery =	54.32%		
62) 4-Bromofluorobenzene	11.40	95	68614	18.24	ug/l	-0.04
Spiked Amount 50.000			Recovery =	36.48%		

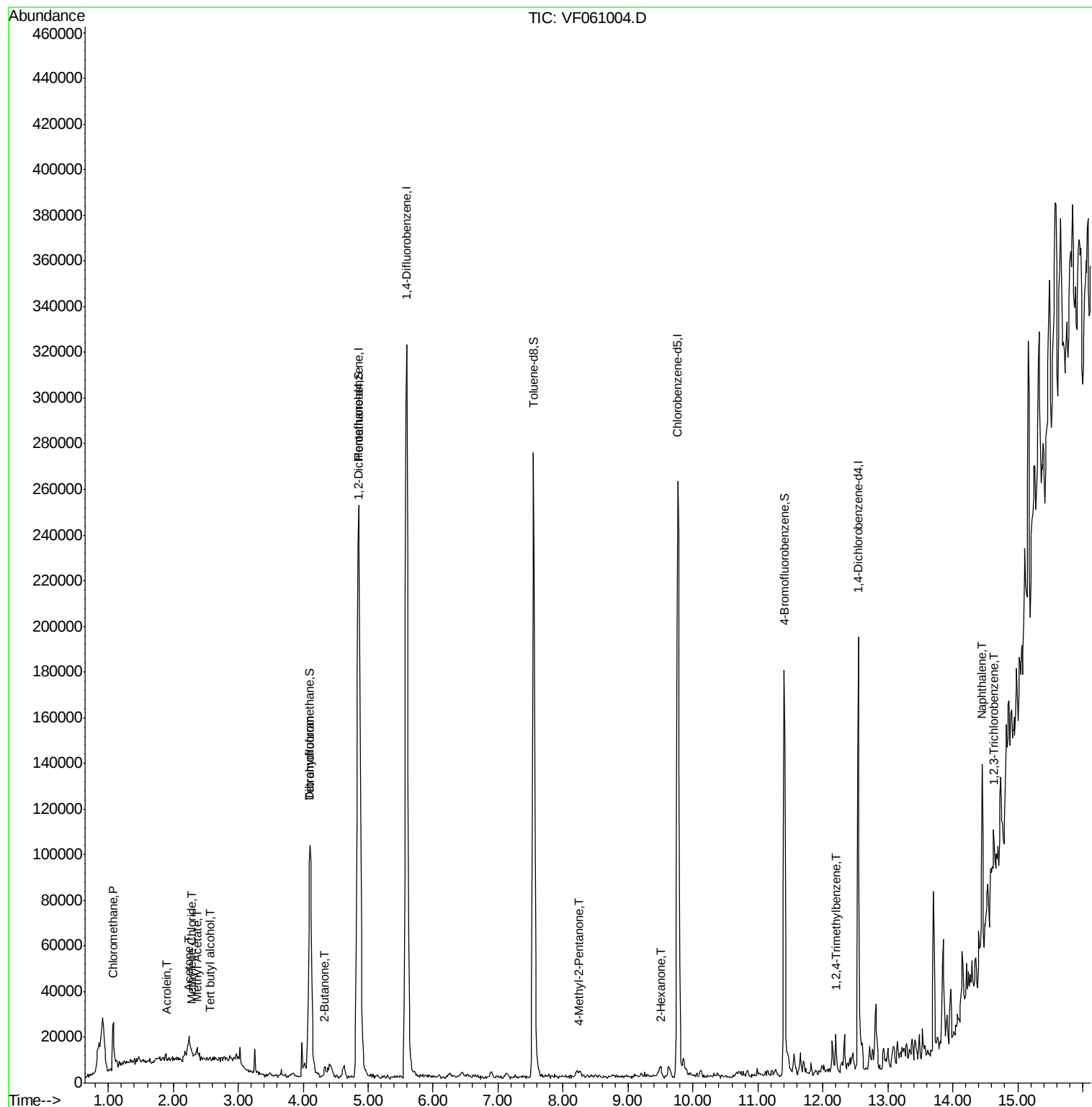
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.07	50	1892	1.075	ug/l #	41
11) Tert butyl alcohol	2.57	59	494	5.657	ug/l #	1
13) Acrolein	1.90	56	794	9.597	ug/l	94
16) Acetone	2.24	43	14005	35.653	ug/l #	93
18) Methyl Acetate	2.38	43	2227	1.787	ug/l #	61
20) Methylene Chloride	2.28	84	4069	2.824	ug/l #	82
25) 2-Butanone	4.34	43	8036	11.828	ug/l #	78
29) Tetrahydrofuran	4.10	42	743	2.580	ug/l #	45
41) Methacrylonitrile	4.76	41	363	Below Cal	#	53
51) 4-Methyl-2-Pentanone	8.25	43	3352	2.277	ug/l	99
59) 2-Hexanone	9.49	43	5764	5.580	ug/l	97
84) 1,2,4-Trimethylbenzene	12.20	105	7319	2.581	ug/l	100
95) Naphthalene	14.45	128	13783	4.144	ug/l #	92
96) 1,2,3-Trichlorobenzene	14.64	180	3721	4.150	ug/l #	23

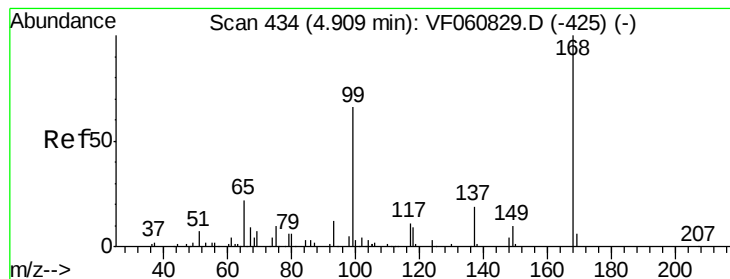
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF121218\
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Quant Time: Dec 13 01:26:49 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 27 01:36:26 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.05 min

Lab File: VF061004.D

Acq: 12 Dec 2018 19:14

Instrument :

MSVOA_F

ClientSampleId :

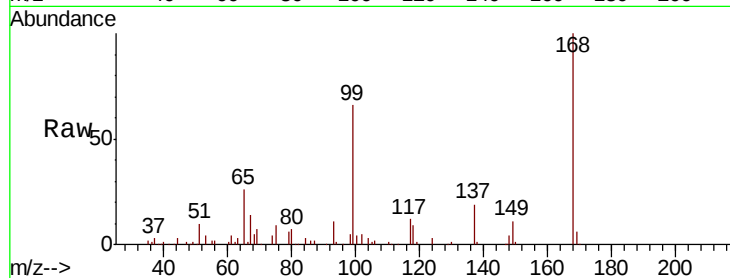
RBR-200027RE

Tot Ion:168 Resp: 180821

Ion Ratio Lower Upper

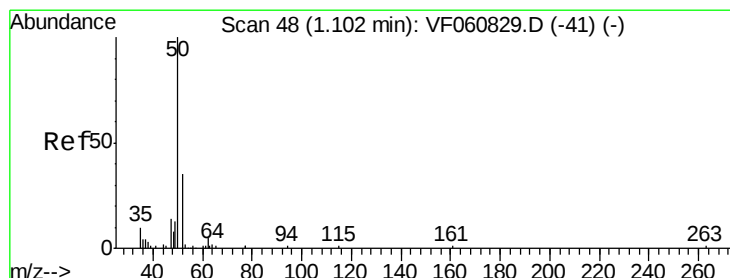
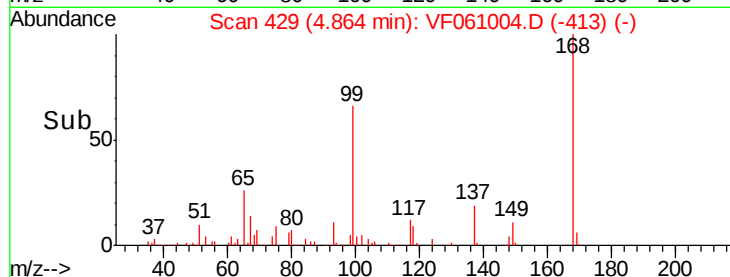
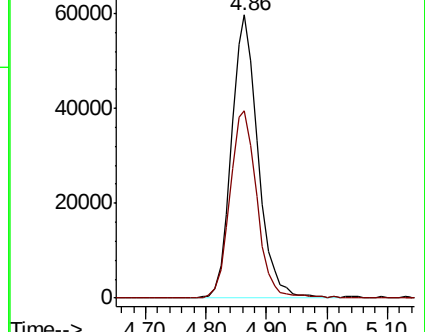
168 100

99 66.0 52.6 79.0



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#3

Chloromethane

Concen: 1.075 ug/l

RT: 1.07 min Scan# 44

Delta R.T. -0.04 min

Lab File: VF061004.D

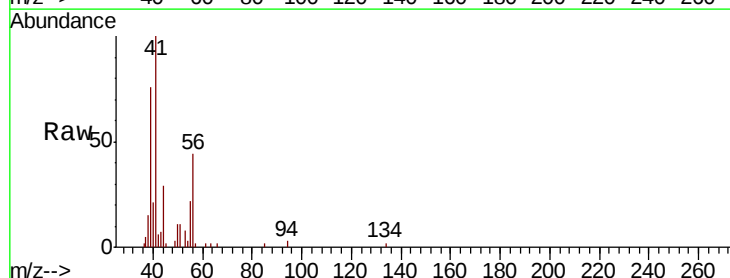
Acq: 12 Dec 2018 19:14

Tgt Ion: 50 Resp: 1892

Ion Ratio Lower Upper

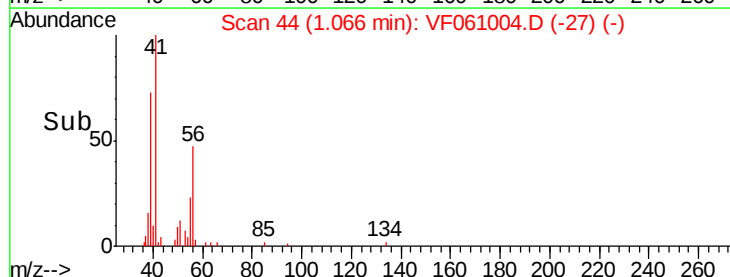
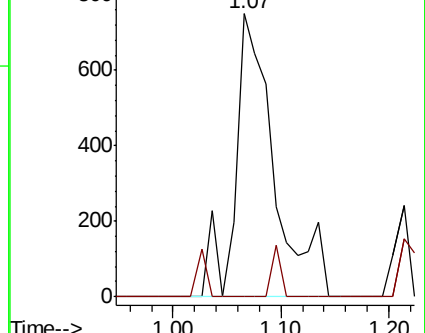
50 100

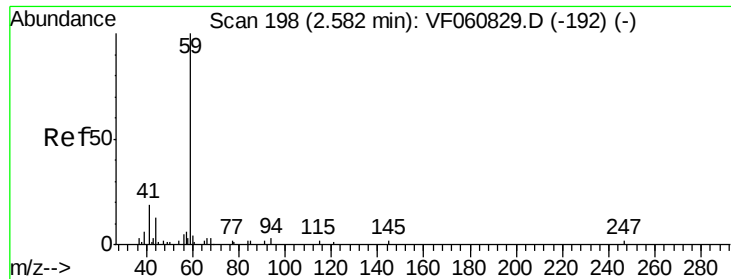
52 0.0 27.0 40.4#



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



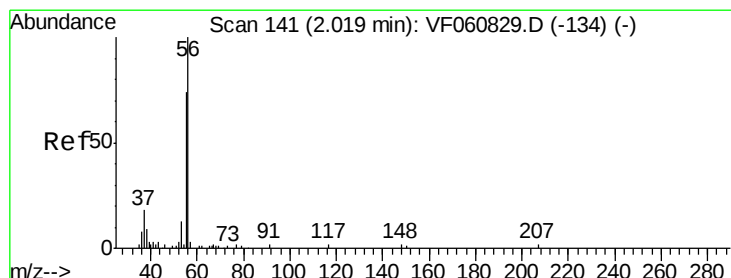
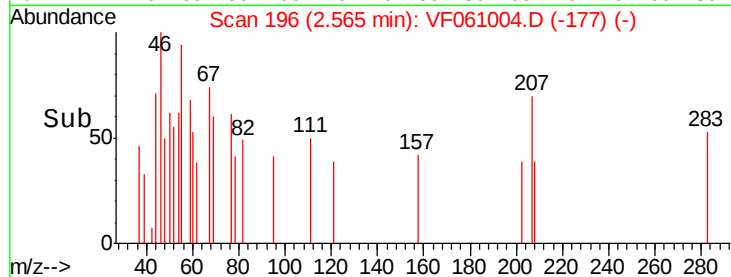
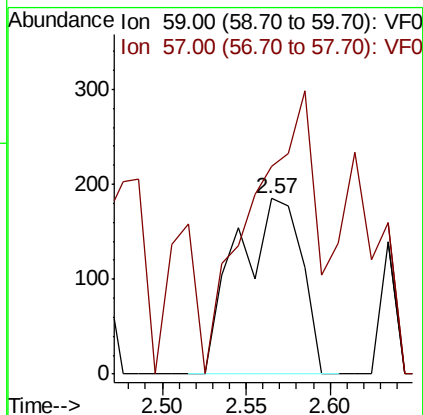
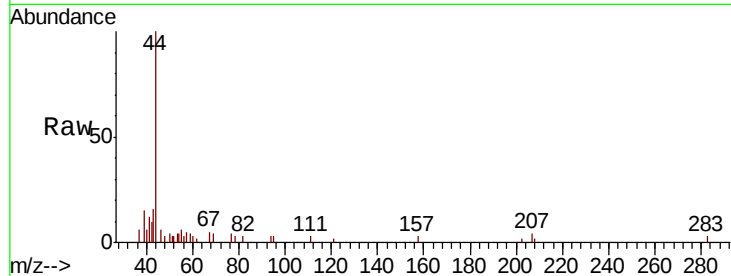


#11

Tert butyl alcohol
 Concen: 5.657 ug/l
 RT: 2.57 min Scan# 196
 Delta R.T. -0.02 min
 Lab File: VF061004.D
 Acq: 12 Dec 2018 19:14

Instrument :
 MSVOA_F
 ClientSampleId :
 RBR-200027RE

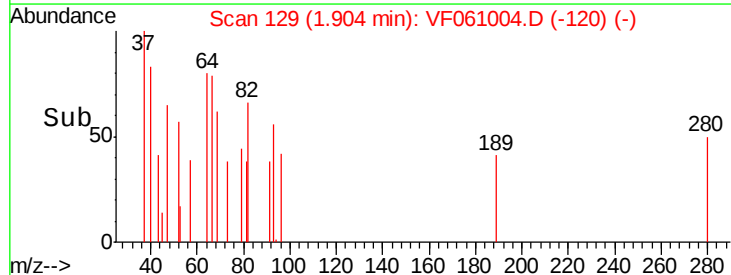
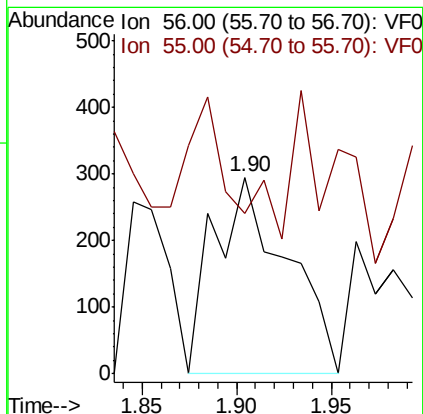
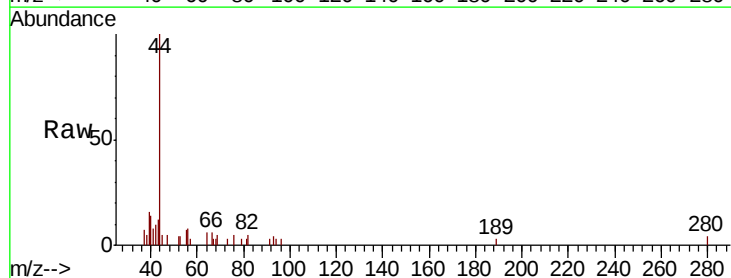
Tot Ion: 59 Resp: 494
 Ion Ratio Lower Upper
 59 100
 57 118.4 12.7 19.1#

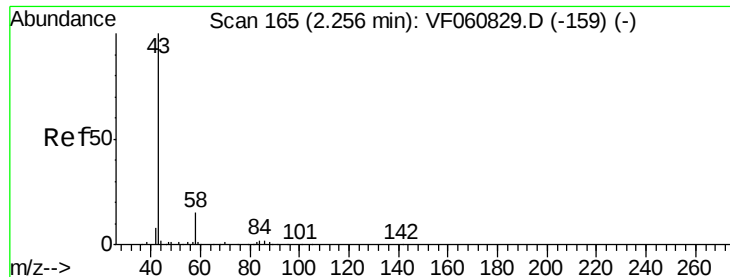


#13

Acrolein
 Concen: 9.597 ug/l
 RT: 1.90 min Scan# 129
 Delta R.T. -0.11 min
 Lab File: VF061004.D
 Acq: 12 Dec 2018 19:14

Tgt Ion: 56 Resp: 794
 Ion Ratio Lower Upper
 56 100
 55 81.4 61.2 91.8





#16

Acetone

Concen: 35.653 ug/l

RT: 2.24 min Scan# 163

Delta R.T. -0.02 min

Lab File: VF061004.D

Acq: 12 Dec 2018 19:14

Instrument :

MSVOA_F

ClientSampleId :

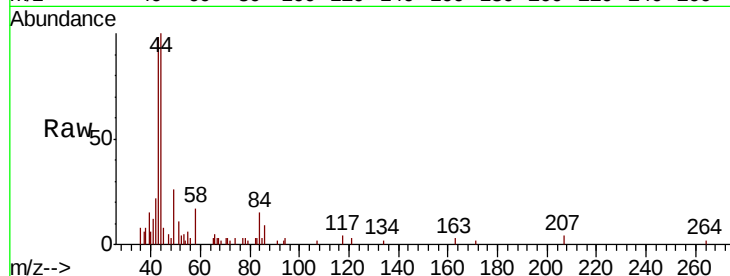
RBR-200027RE

Tot Ion: 43 Resp: 14005

Ion Ratio Lower Upper

43 100

58 17.3 11.4 17.2#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

2.24

4000

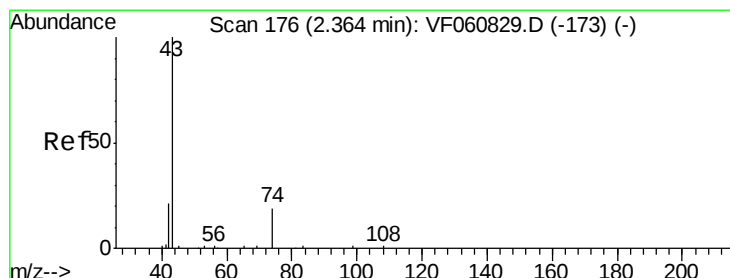
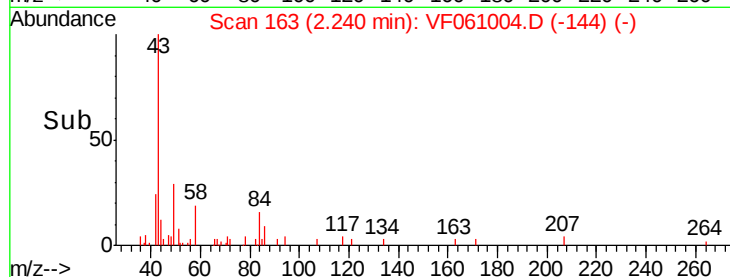
3000

2000

1000

0

Time--> 2.10 2.20 2.30 2.40



#18

Methyl Acetate

Concen: 1.787 ug/l

RT: 2.38 min Scan# 177

Delta R.T. 0.01 min

Lab File: VF061004.D

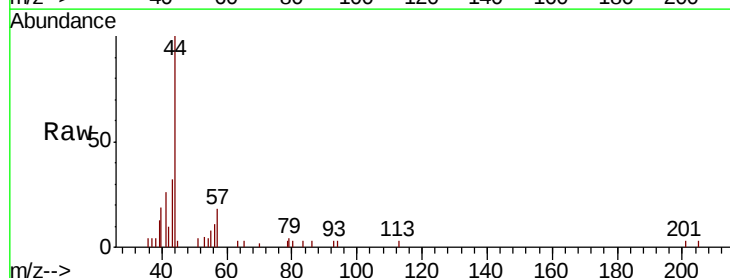
Acq: 12 Dec 2018 19:14

Tgt Ion: 43 Resp: 2227

Ion Ratio Lower Upper

43 100

74 0.0 13.3 19.9#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0

2.38

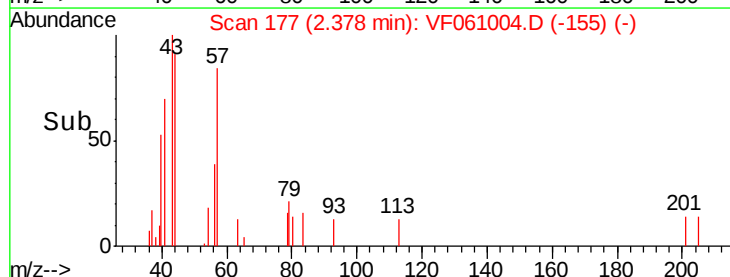
1500

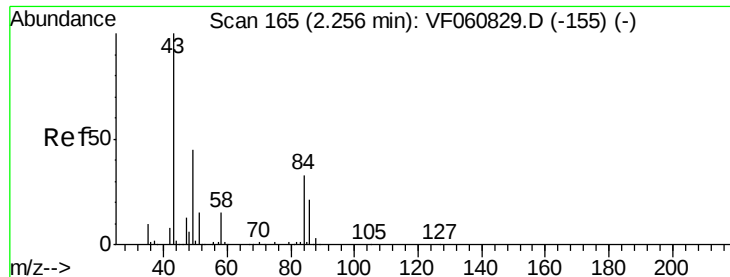
1000

500

0

Time--> 2.35 2.40 2.45

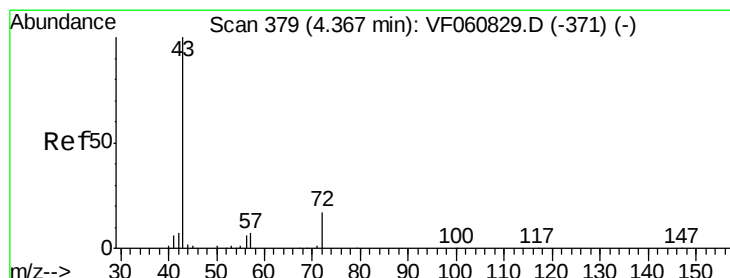
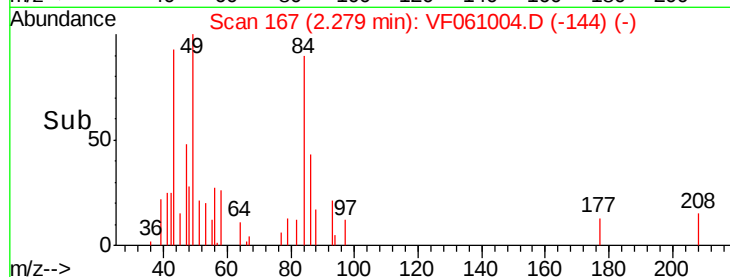
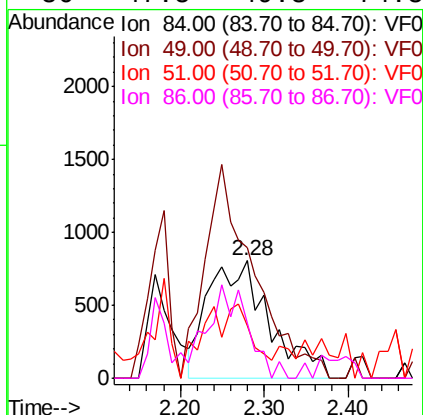
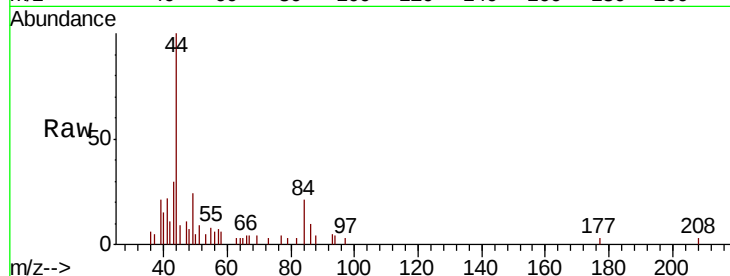




#20
Methvlene Chloride
Concen: 2.824 ug/l
RT: 2.28 min Scan# 167
Delta R.T. 0.02 min
Lab File: VF061004.D
Acq: 12 Dec 2018 19:14

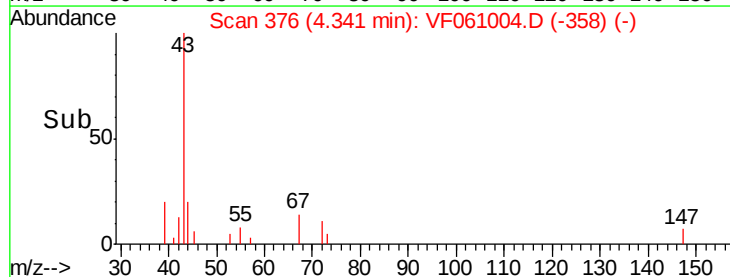
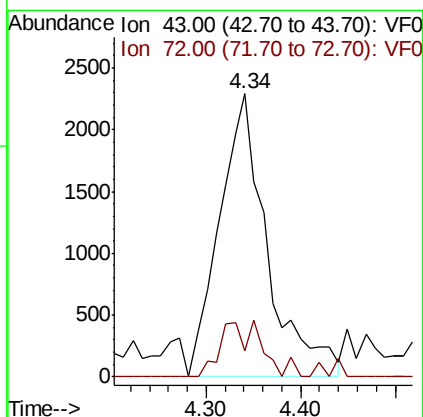
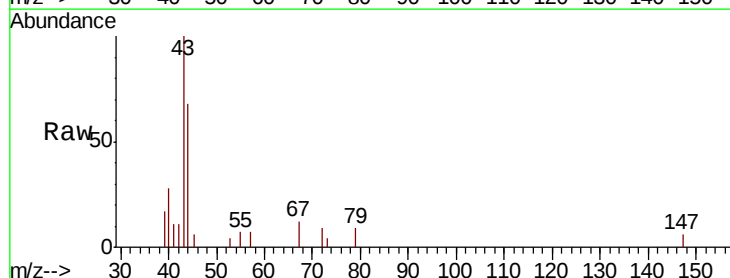
Instrument :
MSVOA_F
ClientSampleId :
RBR-200027RE

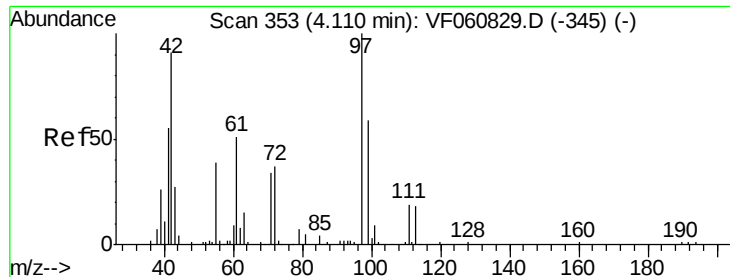
Tot Ion: 84 Resp: 4069
Ion Ratio Lower Upper
84 100
49 111.6 111.3 166.9
51 44.4 38.0 57.0
86 47.5 49.8 74.8#



#25
2-Butanone
Concen: 11.828 ug/l
RT: 4.34 min Scan# 376
Delta R.T. -0.03 min
Lab File: VF061004.D
Acq: 12 Dec 2018 19:14

Tgt Ion: 43 Resp: 8036
Ion Ratio Lower Upper
43 100
72 9.1 15.4 23.2#

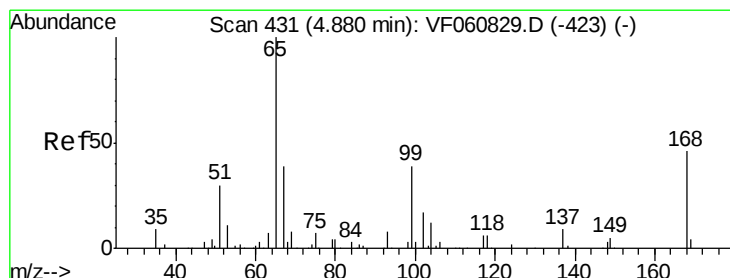
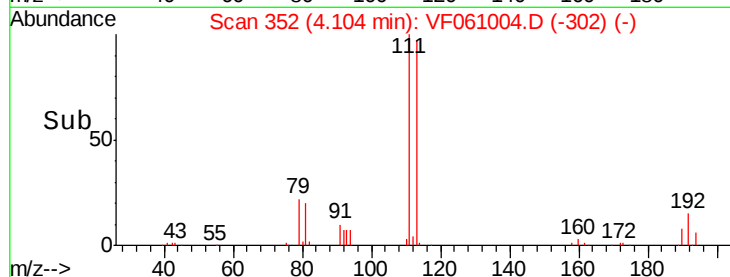
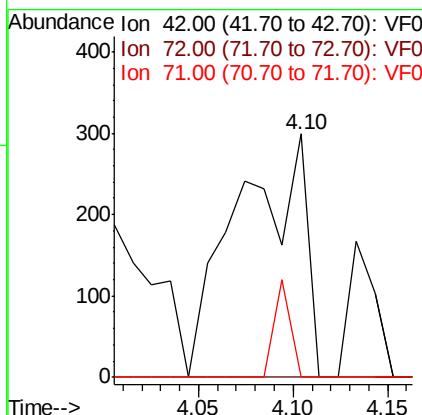
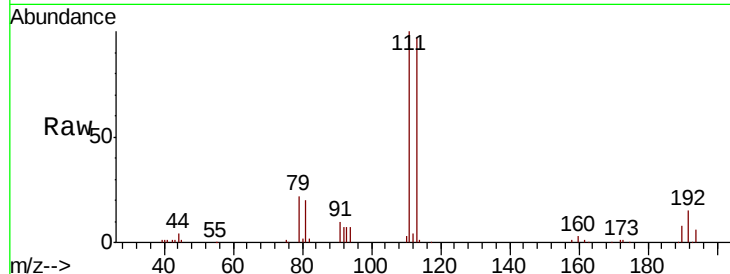




#29
Tetrahydrofuran
Concen: 2.580 ug/l
RT: 4.10 min Scan# 352
Delta R.T. -0.01 min
Lab File: VF061004.D
Acq: 12 Dec 2018 19:14

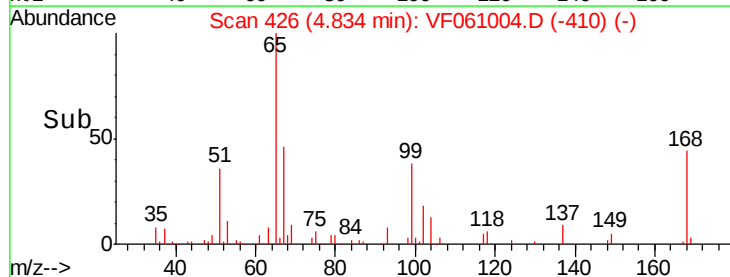
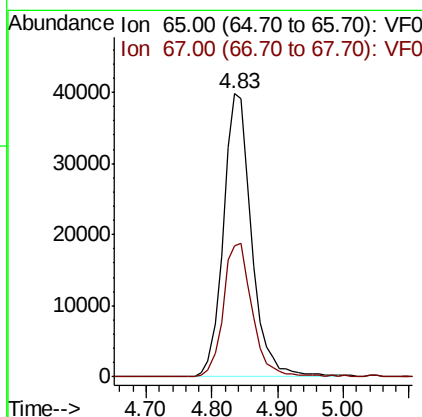
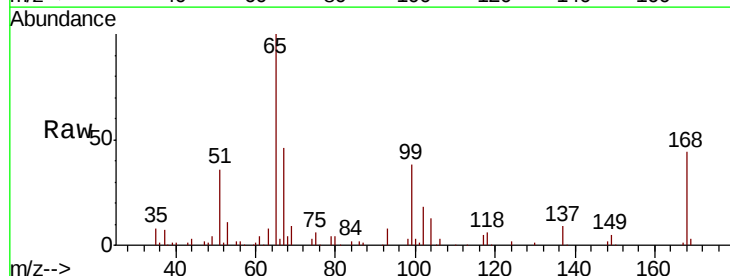
Instrument :
MSVOA_F
ClientSampleId :
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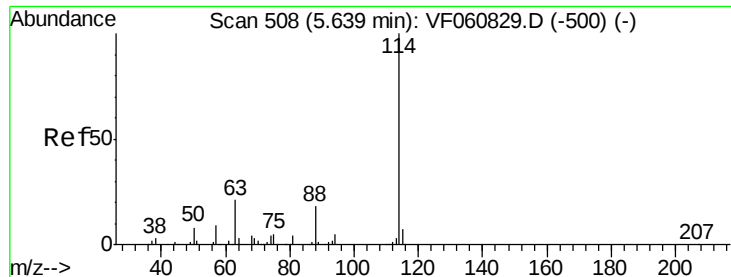
Tot Ion: 42 Resp: 743
Ion Ratio Lower Upper
42 100
72 0.0 31.9 47.9#
71 9.6 28.7 43.1#



#33
1,2-Dichloroethane-d4
Concen: 56.113 ug/l
RT: 4.83 min Scan# 426
Delta R.T. -0.05 min
Lab File: VF061004.D
Acq: 12 Dec 2018 19:14

Tgt Ion: 65 Resp: 119528
Ion Ratio Lower Upper
65 100
67 46.4 0.0 96.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.59 min Scan# 503

Delta R.T. -0.05 min

Lab File: VF061004.D

Acq: 12 Dec 2018 19:14

Instrument :

MSVOA_F

ClientSampleId :

RBR-200027RE

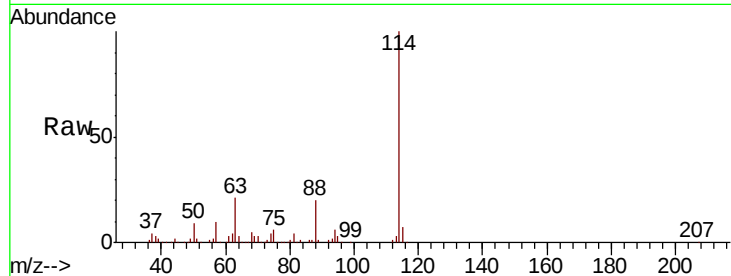
Tot Ion:114 Resp: 354207

Ion Ratio Lower Upper

114 100

63 21.3 0.0 41.6

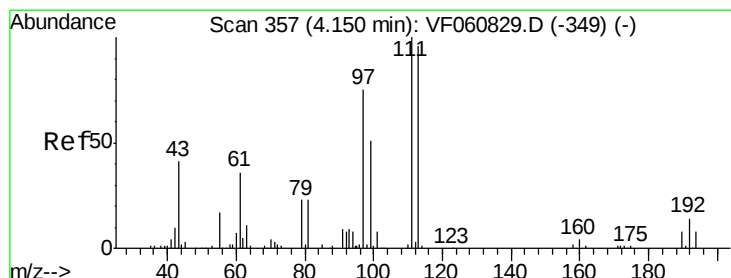
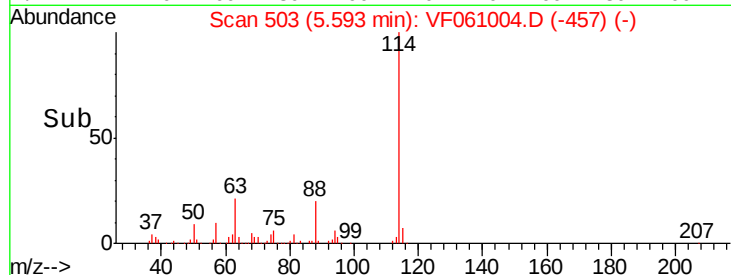
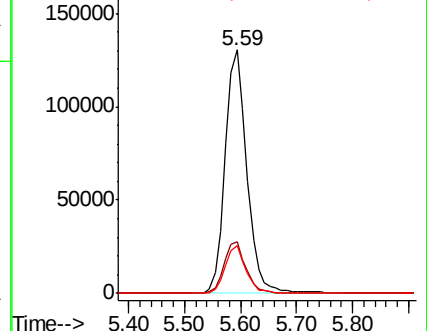
88 19.7 0.0 36.6



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: 35.662 ug/l

RT: 4.10 min Scan# 352

Delta R.T. -0.05 min

Lab File: VF061004.D

Acq: 12 Dec 2018 19:14

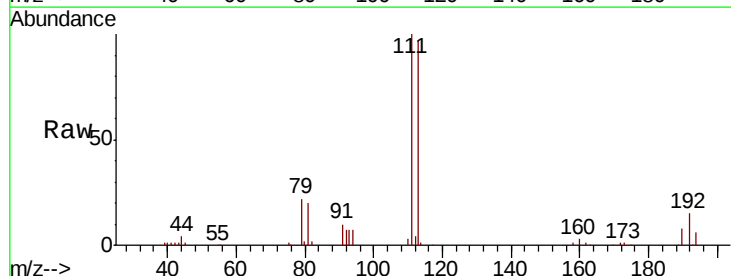
Tgt Ion:113 Resp: 100211

Ion Ratio Lower Upper

113 100

111 103.1 83.0 124.6

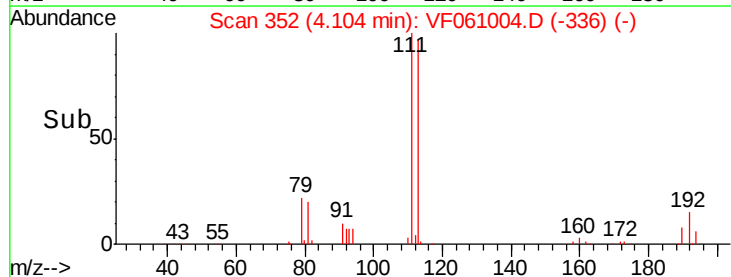
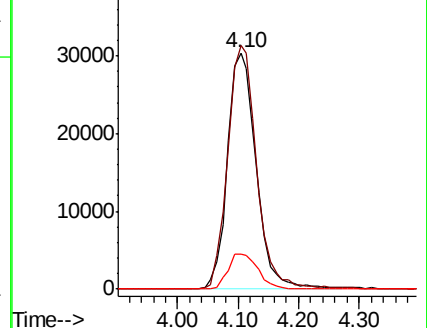
192 15.5 12.3 18.5

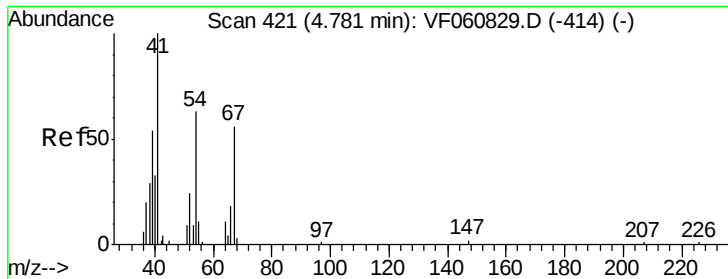


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

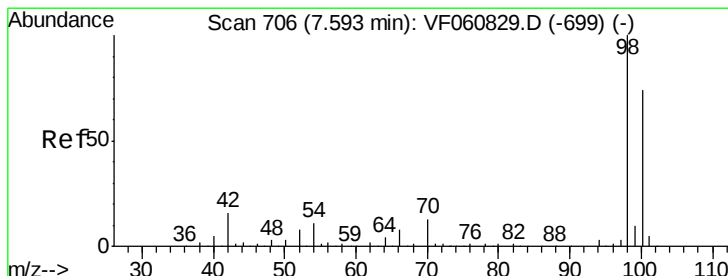
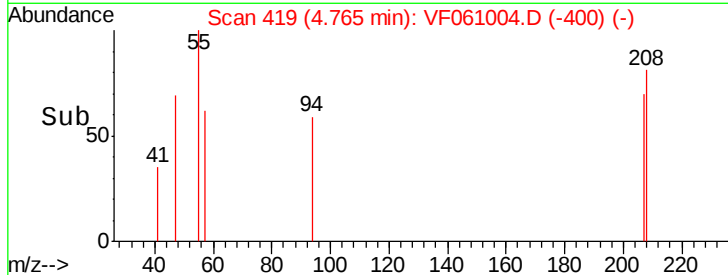
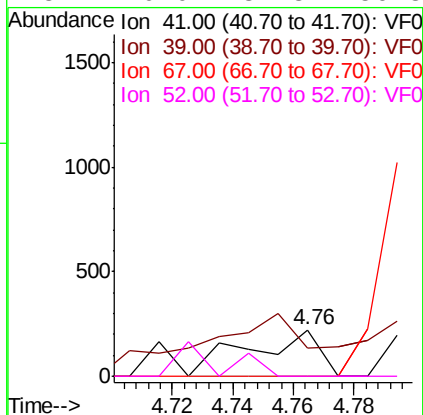
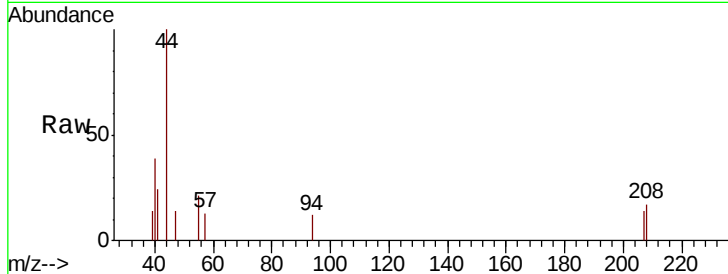




#41
Methacrylonitrile
Concen: Below Cal
RT: 4.76 min Scan# 419
Delta R.T. -0.02 min
Lab File: VF061004.D
Acq: 12 Dec 2018 19:14

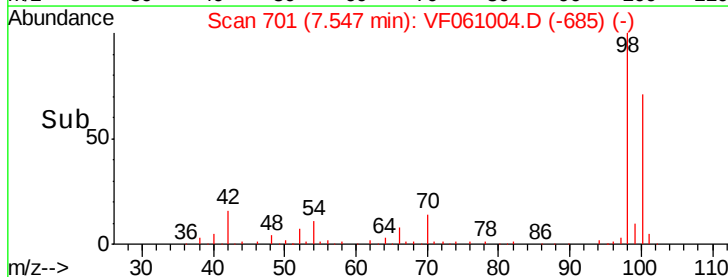
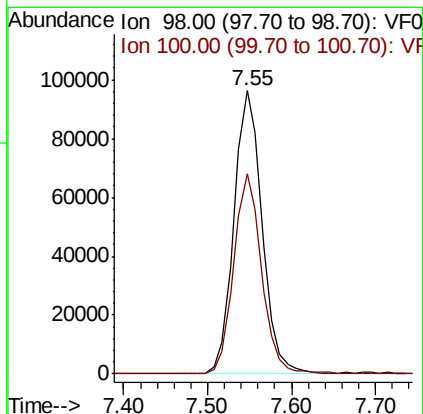
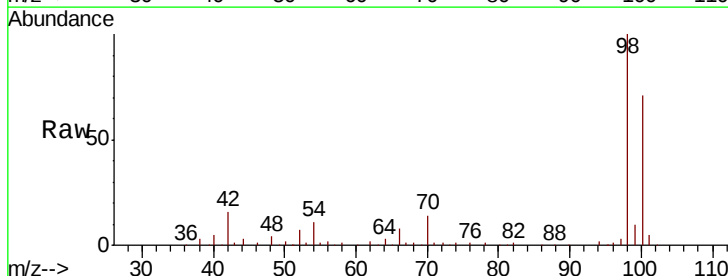
Instrument :
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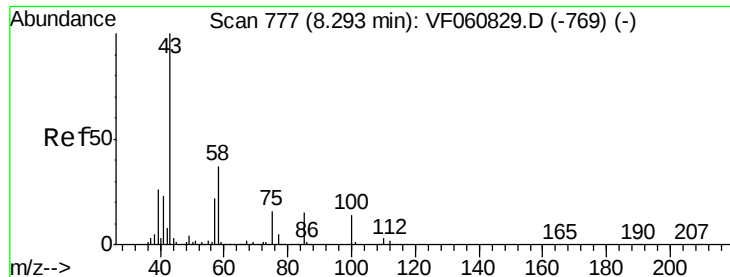
Tot Ion: 41 Resp: 363
Ion Ratio Lower Upper
41 100
39 60.8 53.0 79.6
67 0.0 43.8 65.6#
52 0.0 37.8 56.8#



#50
Toluene-d8
Concen: 27.157 ug/l
RT: 7.55 min Scan# 701
Delta R.T. -0.05 min
Lab File: VF061004.D
Acq: 12 Dec 2018 19:14

Tgt Ion: 98 Resp: 224793
Ion Ratio Lower Upper
98 100
100 70.8 59.3 88.9





#51

4-Methyl-2-Pentanone

Concen: 2.277 ug/l

RT: 8.25 min Scan# 772

Delta R.T. -0.05 min

Lab File: VF061004.D

Acq: 12 Dec 2018 19:14

Instrument :

MSVOA_F

ClientSampleId :

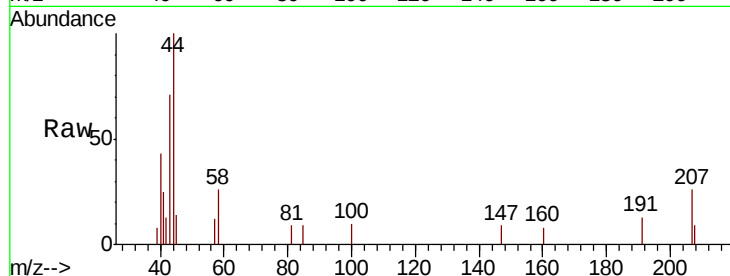
RBR-200027RE

Tot Ion: 43 Resp: 3352

Ion Ratio Lower Upper

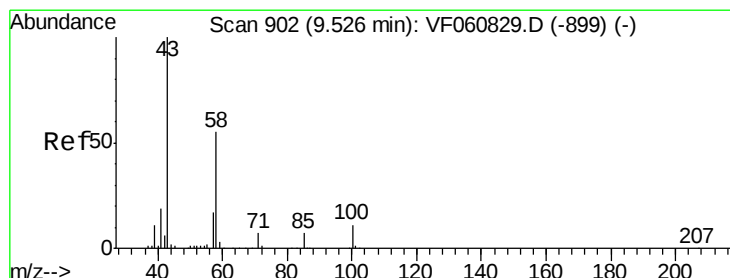
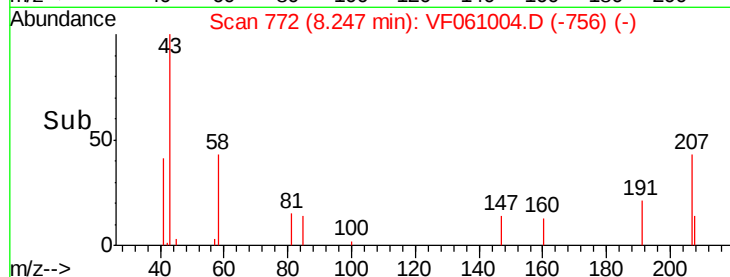
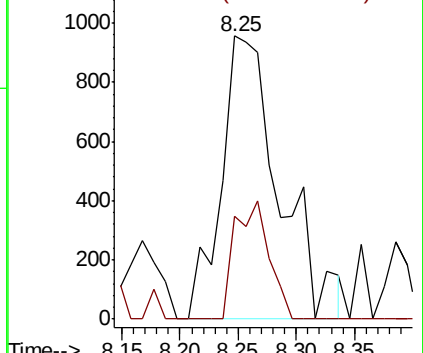
43 100

58 36.4 29.7 44.5



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#59

2-Hexanone

Concen: 5.580 ug/l

RT: 9.49 min Scan# 898

Delta R.T. -0.04 min

Lab File: VF061004.D

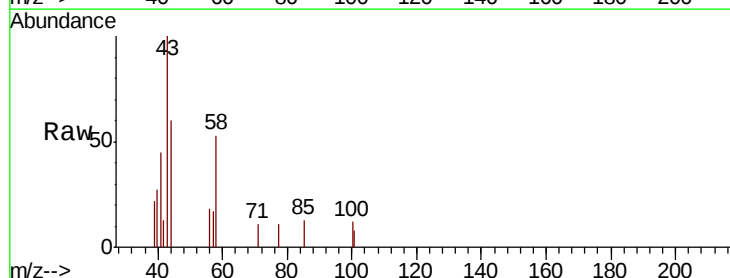
Acq: 12 Dec 2018 19:14

Tgt Ion: 43 Resp: 5764

Ion Ratio Lower Upper

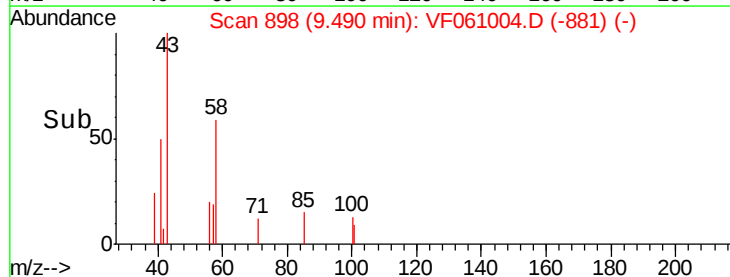
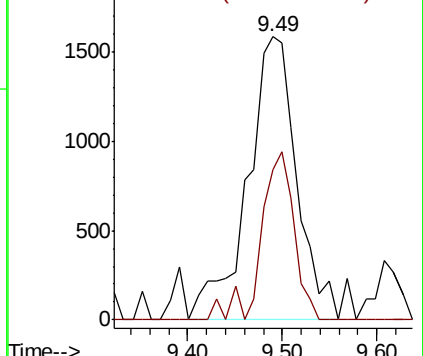
43 100

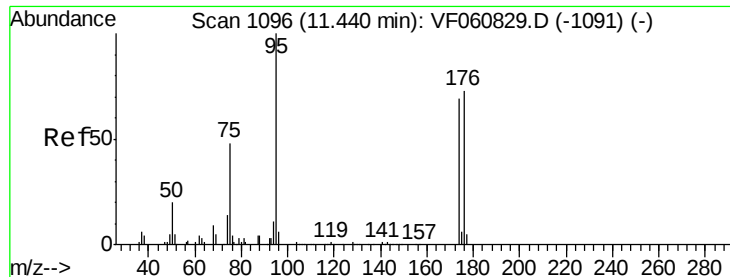
58 53.1 25.6 76.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#62

4-Bromofluorobenzene

Concen: 18.239 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.04 min

Lab File: VF061004.D

Acq: 12 Dec 2018 19:14

Instrument :

MSVOA_F

ClientSampleId :

RBR-200027RE

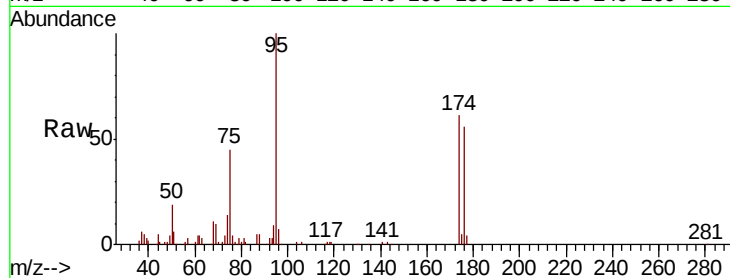
Tot Ion: 95 Resp: 68614

Ion Ratio Lower Upper

95 100

174 61.0 0.0 138.2

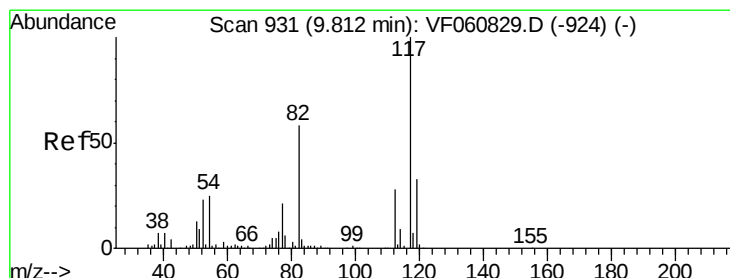
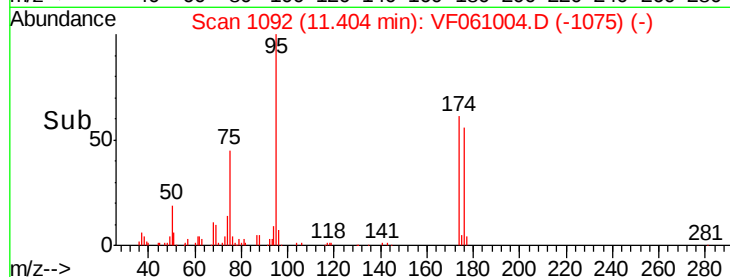
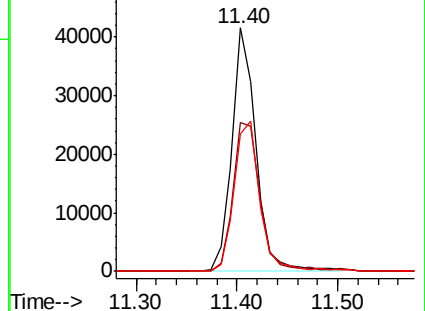
176 56.5 0.0 146.2



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# 926

Delta R.T. -0.05 min

Lab File: VF061004.D

Acq: 12 Dec 2018 19:14

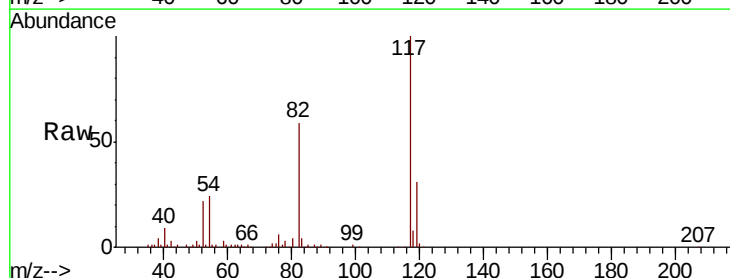
Tgt Ion: 117 Resp: 194707

Ion Ratio Lower Upper

117 100

82 58.5 46.6 69.8

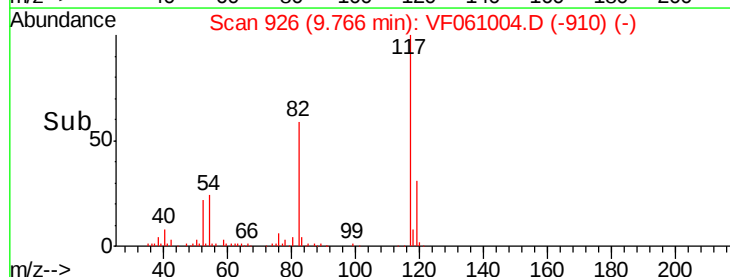
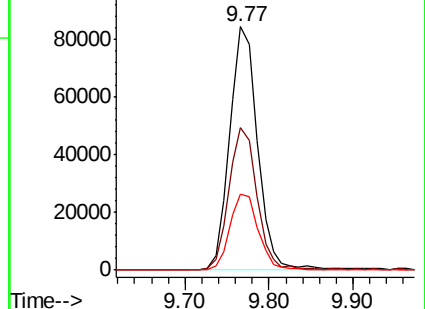
119 31.2 26.4 39.6

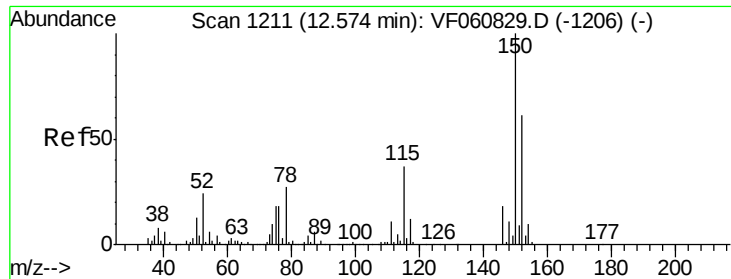


Abundance Ion 117.00 (116.70 to 117.70): VF0

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): VF0



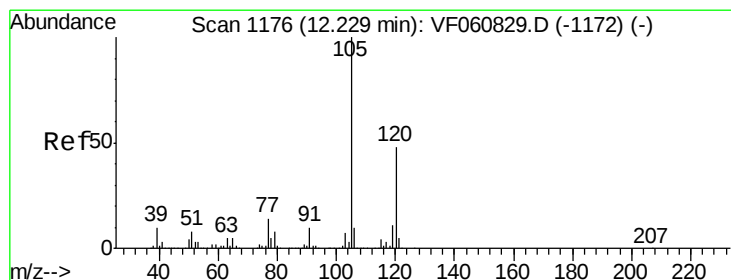
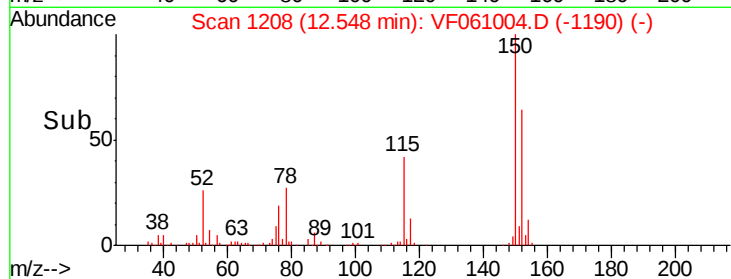
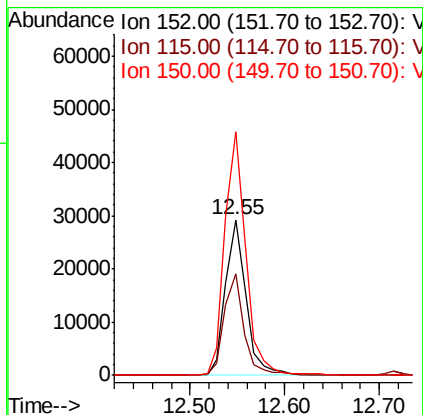
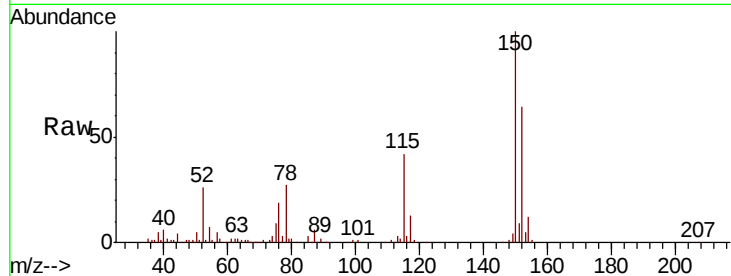


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.55 min Scan# 1208
Delta R.T. -0.03 min
Lab File: VF061004.D
Acq: 12 Dec 2018 19:14

Instrument :
MSVOA_F
ClientSampleId :
RBR-200027RE

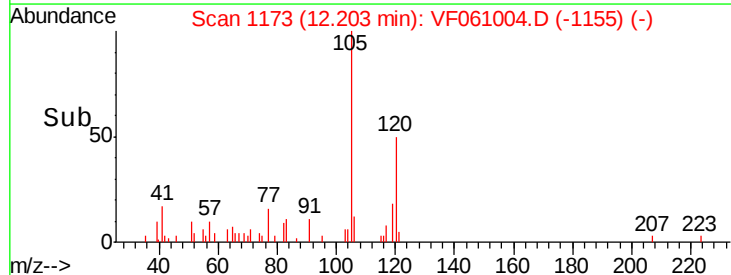
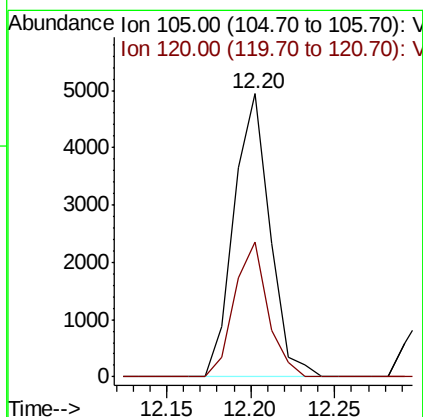
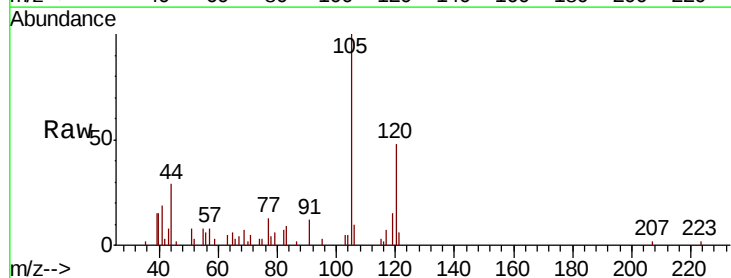
Tot Ion:152 Resp: 44288
Ion Ratio Lower Upper
152 100
115 65.1 30.1 90.5
150 156.7 0.0 327.6

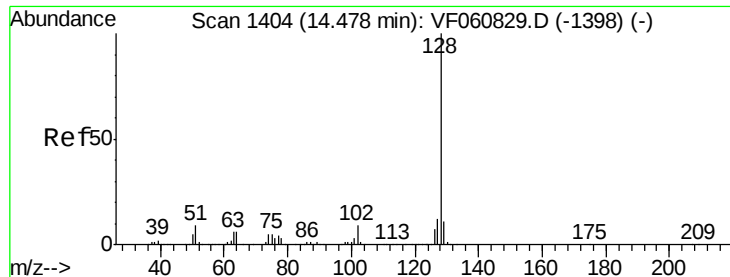


#84

1,2,4-Trimethylbenzene
Concen: 2.581 ug/l
RT: 12.20 min Scan# 1173
Delta R.T. -0.03 min
Lab File: VF061004.D
Acq: 12 Dec 2018 19:14

Tgt Ion:105 Resp: 7319
Ion Ratio Lower Upper
105 100
120 47.7 23.8 71.5

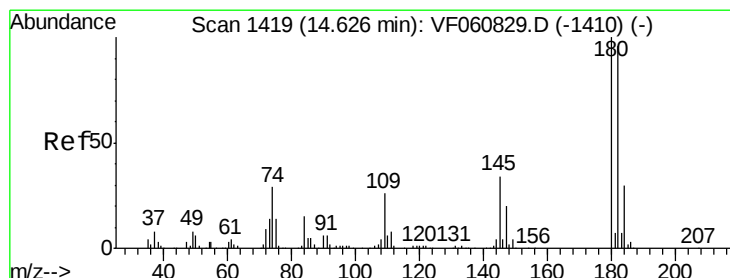
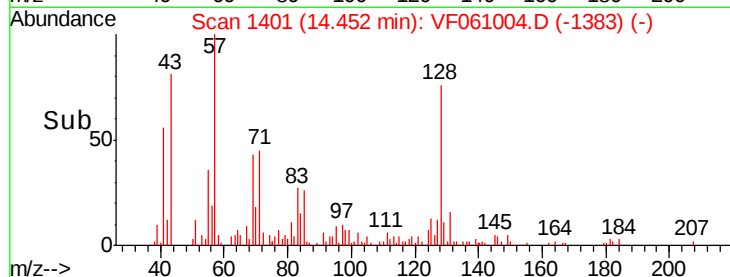
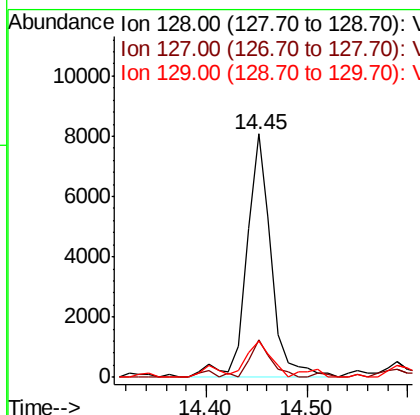
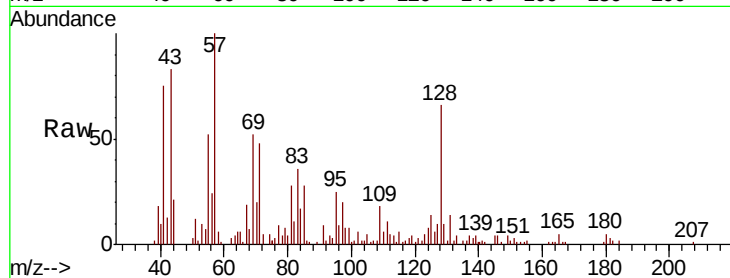




#95
Naphthalene
Concen: 4.144 ug/l
RT: 14.45 min Scan# 1401
Delta R.T. -0.03 min
Lab File: VF061004.D
Acq: 12 Dec 2018 19:14

Instrument :
MSVOA_F
ClientSampleId :
RBR-200027RE

Tot Ion:128 Resp: 13783
Ion Ratio Lower Upper
128 100
127 15.4 9.9 14.9#
129 14.9 9.1 13.7#



#96
1,2,3-Trichlorobenzene
Concen: 4.150 ug/l
RT: 14.64 min Scan# 1420
Delta R.T. 0.01 min
Lab File: VF061004.D
Acq: 12 Dec 2018 19:14

Tgt Ion:180 Resp: 3721
Ion Ratio Lower Upper
180 100
182 8.9 47.9 143.8#
145 10.2 17.2 51.5#

