

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF012519\
 Data File : VF061520.D
 Acq On : 25 Jan 2019 14:54
 Operator : VA/AP
 Sample : K1233-02
 Misc : 4.69g/5mL/MSVOA-F/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 RBR-20035

Quant Time: Jan 28 00:08:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 04:51:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.88	168	4682	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.60	114	7043	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.79	117	4482	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.56	152	1508	50.00	ug/l	0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.87	65	1058	18.30	ug/l	0.03
Spiked Amount	50.000		Recovery	=	36.60%	
35) Dibromofluoromethane	4.12	113	1307	23.52	ug/l	0.01
Spiked Amount	50.000		Recovery	=	47.04%	
50) Toluene-d8	7.55	98	5176	33.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	67.98%	
62) 4-Bromofluorobenzene	11.42	95	1285	18.06	ug/l	0.01
Spiked Amount	50.000		Recovery	=	36.12%	

Target Compounds

					Qvalue	
3) Chloromethane	1.09	50	88	1.305	ug/l	# 1
4) Vinyl Chloride	1.15	62	61	1.017	ug/l	# 43
5) Bromomethane	1.35	94	705	18.018	ug/l	# 47
6) Chloroethane	1.35	64	134	5.040	ug/l	# 41
8) Diethyl Ether	1.61	74	137	9.166	ug/l	# 82
9) 1,1,2-Trichlorotrifluoroet	1.89	101	73	1.302	ug/l	# 20
11) Tert butyl alcohol	2.65	59	73	29.835	ug/l	# 64
12) 1,1-Dichloroethene	1.82	96	73	1.753	ug/l	# 1
13) Acrolein	1.94	56	358	173.180	ug/l	# 94
14) Allyl chloride	2.13	41	343	Below Cal		# 72
15) Acrylonitrile	2.95	53	117	18.668	ug/l	# 48
16) Acetone	2.24	43	408	35.183	ug/l	# 61
18) Methyl Acetate	2.30	43	909	39.526	ug/l	# 61
20) Methylene Chloride	2.17	84	595	13.844	ug/l	# 68
21) trans-1,2-Dichloroethene	2.27	96	73	1.593	ug/l	# 1
22) Diisopropyl ether	2.79	45	288	1.943	ug/l	# 14
23) Vinyl Acetate	3.18	43	494	10.676	ug/l	# 78
24) 1,1-Dichloroethane	2.81	63	102	1.097	ug/l	# 85
25) 2-Butanone	4.37	43	76	3.941	ug/l	# 57
26) 2,2-Dichloropropane	3.68	77	69	1.208	ug/l	# 61
29) Tetrahydrofuran	4.07	42	132	15.897	ug/l	# 38
37) Ethyl Acetate	4.07	43	219	6.709	ug/l	# 5
41) Methacrylonitrile	4.72	41	181	10.421	ug/l	# 49
43) Isopropyl Acetate	6.95	43	61	1.489	ug/l	# 51
45) 1,2-Dichloropropane	6.26	63	60	1.258	ug/l	# 44
48) Methyl methacrylate	6.71	41	110	3.999	ug/l	# 19
51) 4-Methyl-2-Pentanone	8.26	43	73	2.424	ug/l	# 39
53) t-1,3-Dichloropropene	8.43	75	65	1.043	ug/l	# 44
55) 1,1,2-Trichloroethane	8.34	97	62	1.825	ug/l	# 14
56) Ethyl methacrylate	8.50	69	113	2.858	ug/l	# 21
59) 2-Hexanone	9.50	43	165	7.856	ug/l	# 26
68) m/p-Xylenes	10.07	106	65	1.085	ug/l	# 1
74) N-amyl acetate	11.37	43	85	2.931	ug/l	# 47
75) 1,1,2,2-Tetrachloroethane	11.57	83	62	2.838	ug/l	# 24

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QLast Update : Wed Jan 16 04:51:59 2019
Response via : Initial Calibration

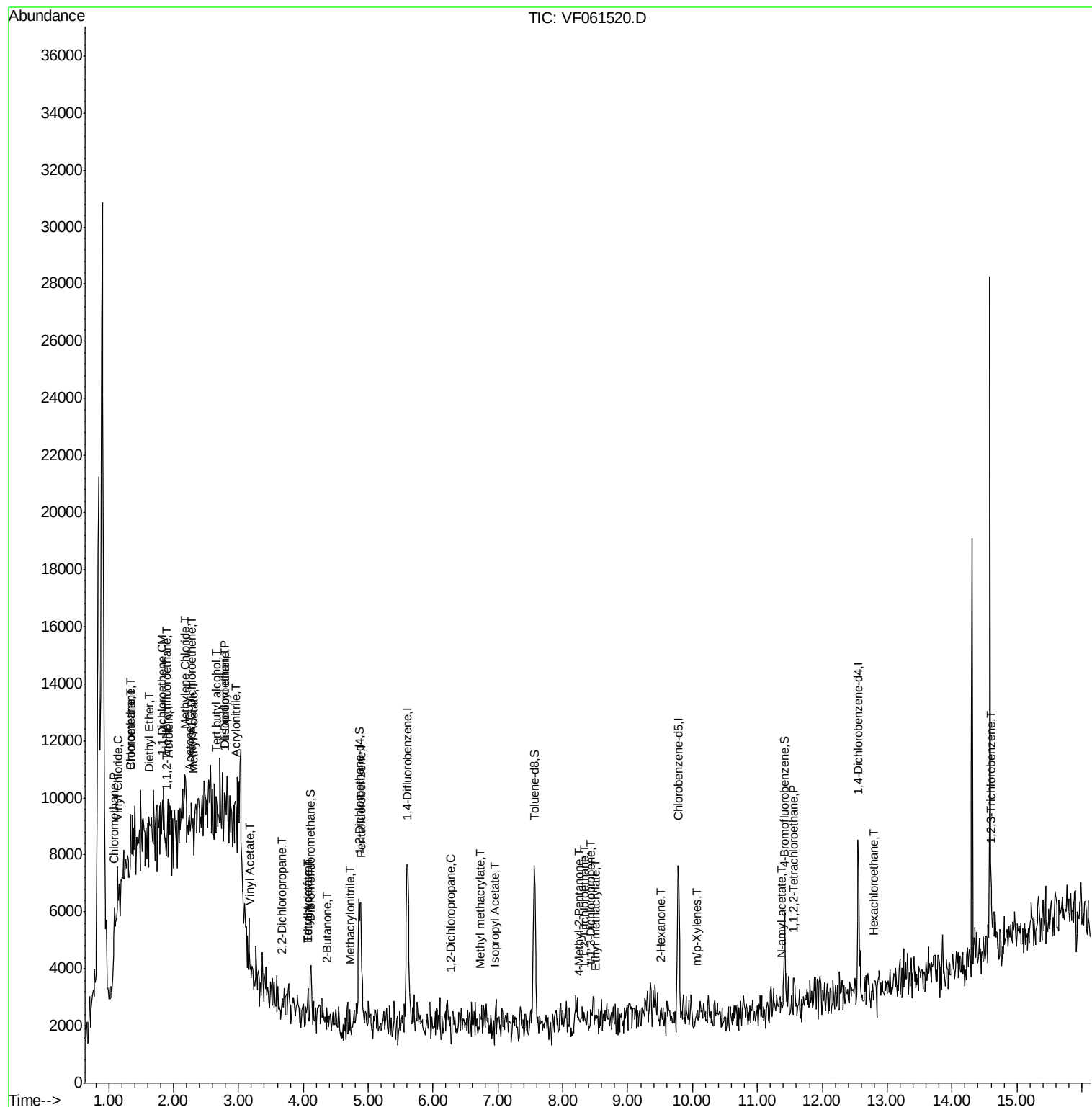
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
90) Hexachloroethane	12.79	117	79	2.934	ug/l #	22
96) 1,2,3-Trichlorobenzene	14.61	180	90	2.864	ug/l #	13

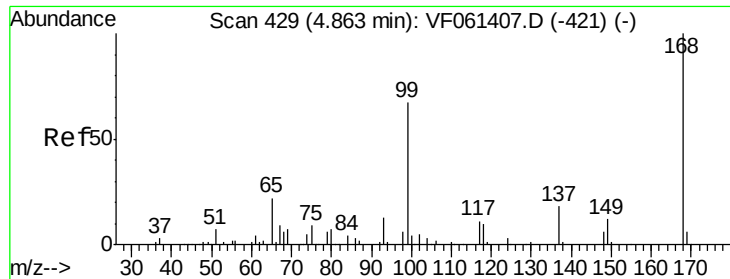
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.88 min Scan# 431

Delta R.T. 0.01 min

Lab File: VF061520.D

Acq: 25 Jan 2019 14:54

Instrument :

MSVOA_F

ClientSampleId :

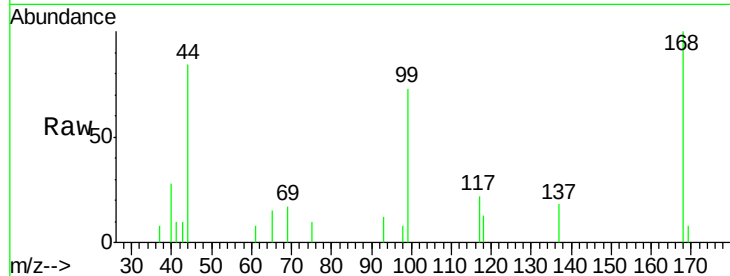
RBR-20035

Tot Ion:168 Resp: 4682

Ion Ratio Lower Upper

168 100

99 72.8 53.5 80.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.88

1500

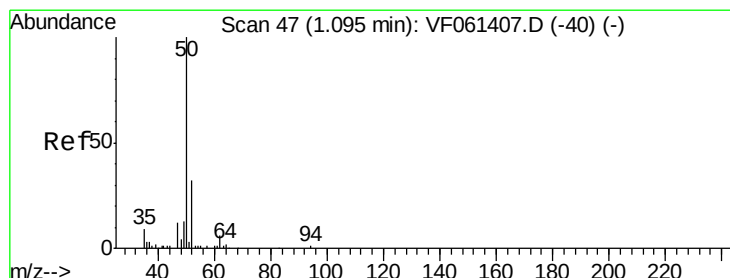
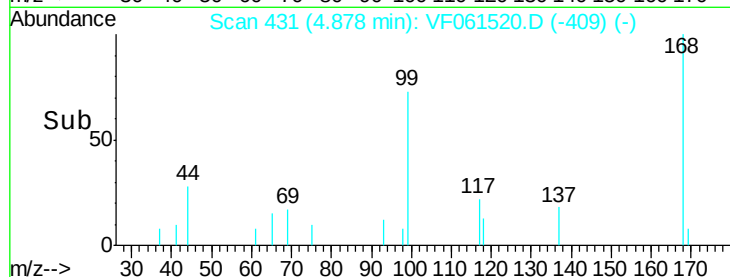
1000

500

0

Time-->

4.80 4.85 4.90 4.95 5.00



#3

Chloromethane

Concen: 1.305 ug/l

RT: 1.09 min Scan# 47

Delta R.T. -0.01 min

Lab File: VF061520.D

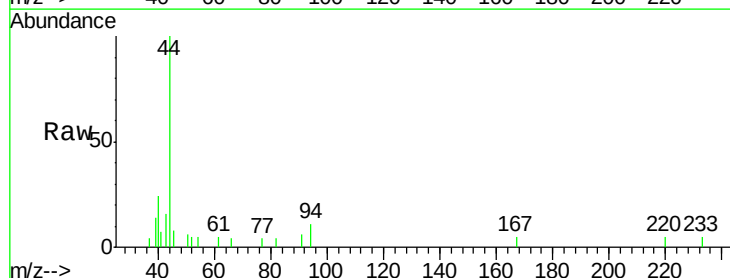
Acq: 25 Jan 2019 14:54

Tgt Ion: 50 Resp: 88

Ion Ratio Lower Upper

50 100

52 90.5 24.6 36.8#



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

1.09

150

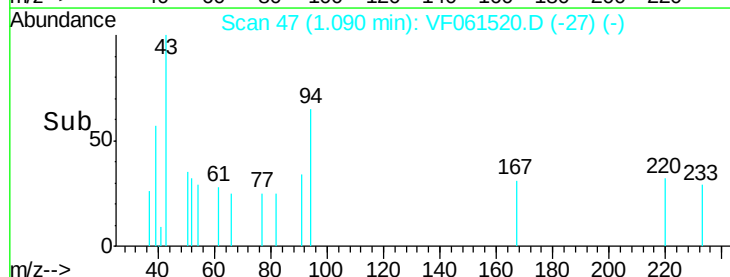
100

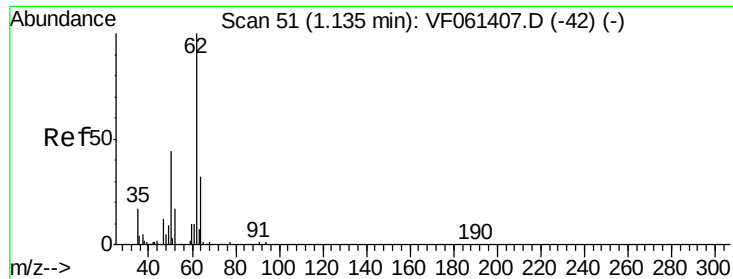
50

0

Time-->

1.06 1.08 1.10 1.12





#4

Vinyl Chloride

Concen: 1.017 ug/l

RT: 1.15 min Scan# 53

Delta R.T. 0.01 min

Lab File: VF061520.D

Acq: 25 Jan 2019 14:54

Instrument :

MSVOA_F

ClientSampleId :

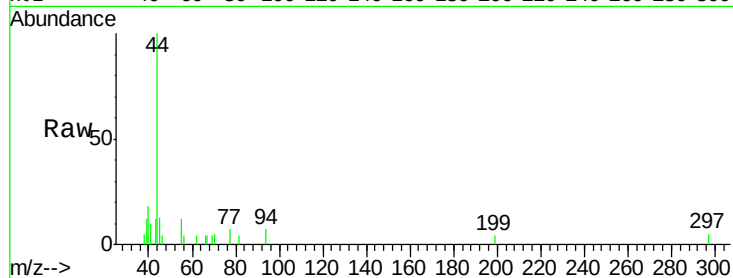
RBR-20035

Tot Ion: 62 Resp: 61

Ion Ratio Lower Upper

62 100

64 0.0 25.6 38.4#



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0

1.15

100

80

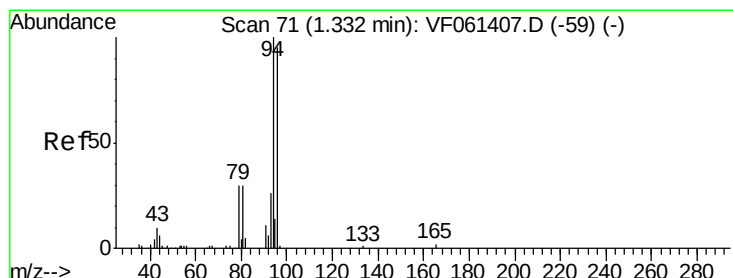
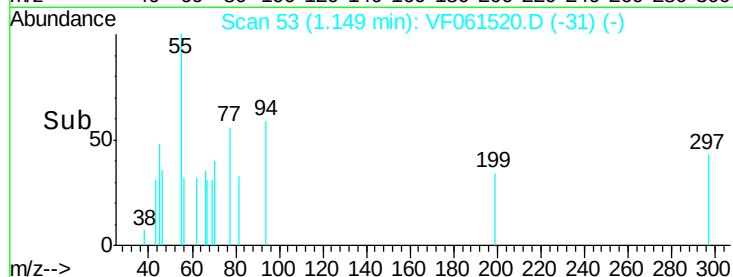
60

40

20

0

Time-->



#5

Bromomethane

Concen: 18.018 ug/l

RT: 1.35 min Scan# 73

Delta R.T. 0.01 min

Lab File: VF061520.D

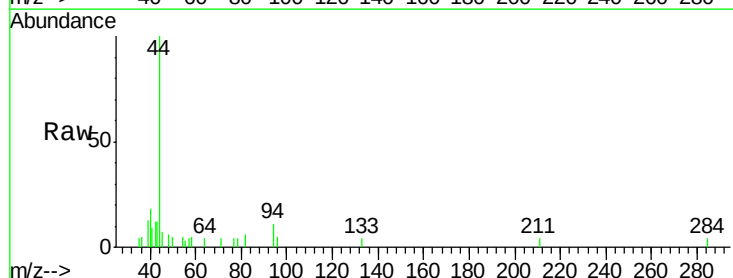
Acq: 25 Jan 2019 14:54

Tgt Ion: 94 Resp: 705

Ion Ratio Lower Upper

94 100

96 43.7 76.0 114.0#



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0

1.35

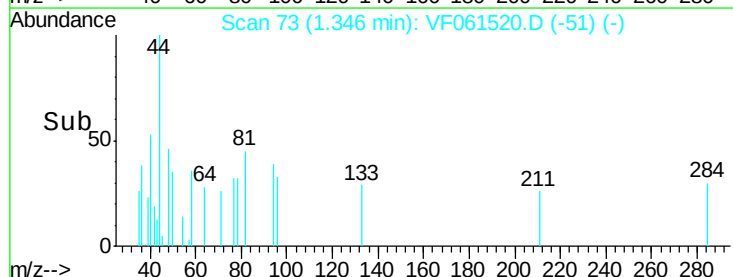
300

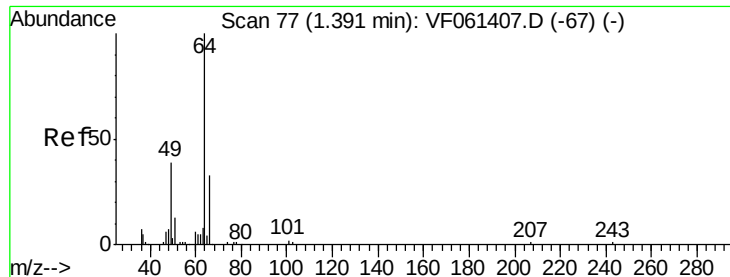
200

100

0

Time-->





#6

Chloroethane

Concen: 5.040 ug/l

RT: 1.35 min Scan# 73

Delta R.T. -0.04 min

Lab File: VF061520.D

Acq: 25 Jan 2019 14:54

Instrument :

MSVOA_F

ClientSampleId :

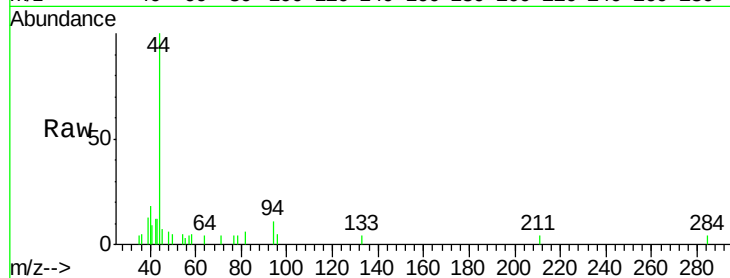
RBR-20035

Tot Ion: 64 Resp: 134

Ion Ratio Lower Upper

64 100

66 0.0 26.6 40.0#



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0

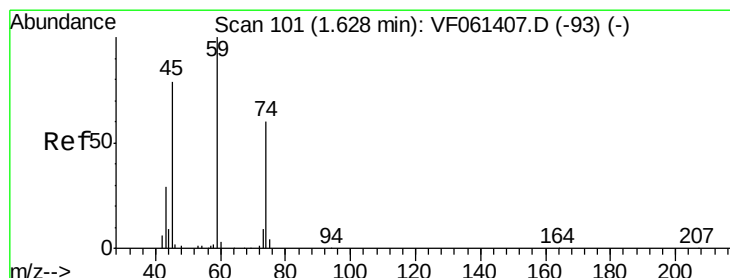
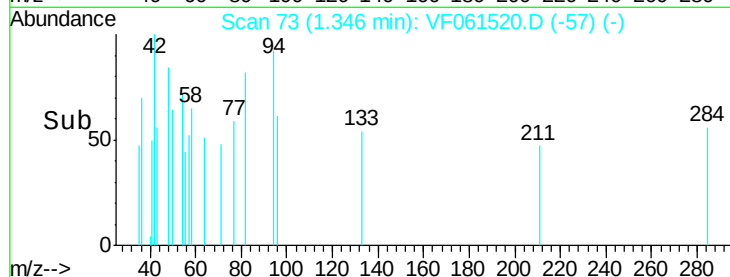
1.35

100

50

0

Time--> 1.32 1.34 1.36 1.38



#8

Diethyl Ether

Concen: 9.166 ug/l

RT: 1.61 min Scan# 100

Delta R.T. -0.02 min

Lab File: VF061520.D

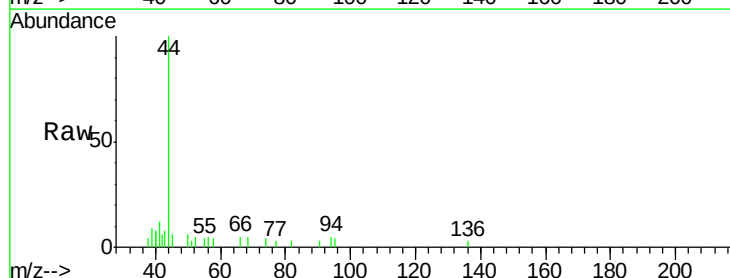
Acq: 25 Jan 2019 14:54

Tgt Ion: 74 Resp: 137

Ion Ratio Lower Upper

74 100

45 152.3 65.8 197.5



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0

1.61

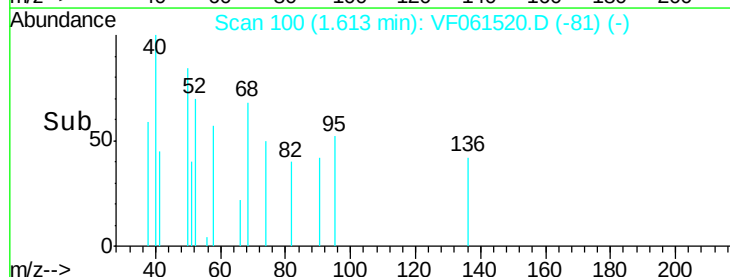
300

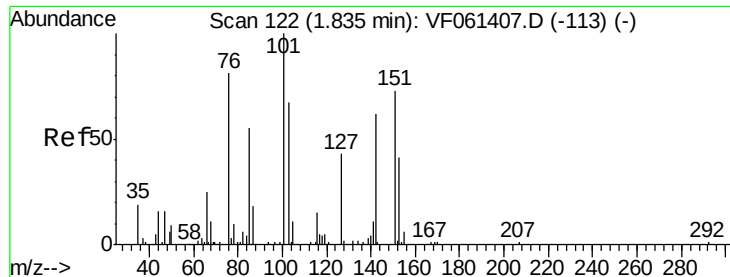
200

100

0

Time--> 1.60 1.65





#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.302 ug/l

RT: 1.89 min Scan# 128

Delta R.T. 0.05 min

Lab File: VF061520.D

Acq: 25 Jan 2019 14:54

Instrument :

MSVOA_F

ClientSampleId :

RBR-20035

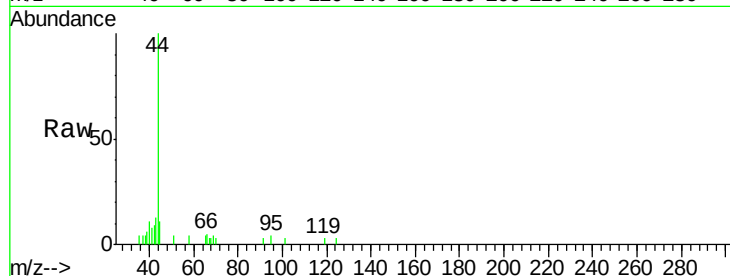
Tot Ion:101 Resp: 73

Ion Ratio Lower Upper

101 100

85 0.0 41.9 62.9#

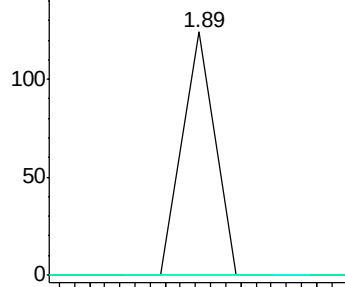
151 0.0 55.1 82.7#



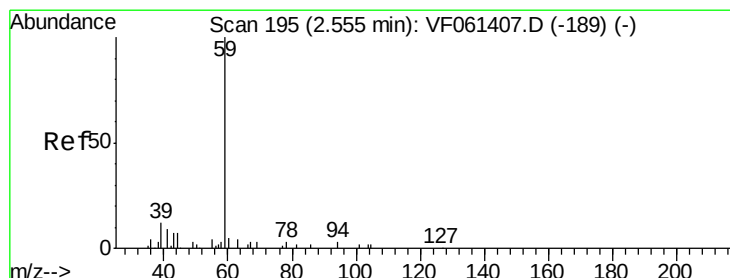
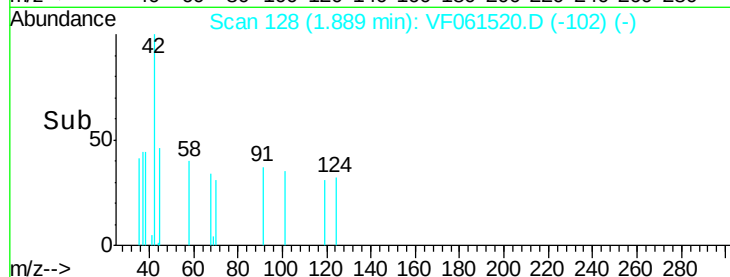
Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



Time-->



#11

Tert butyl alcohol

Concen: 29.835 ug/l

RT: 2.65 min Scan# 205

Delta R.T. 0.09 min

Lab File: VF061520.D

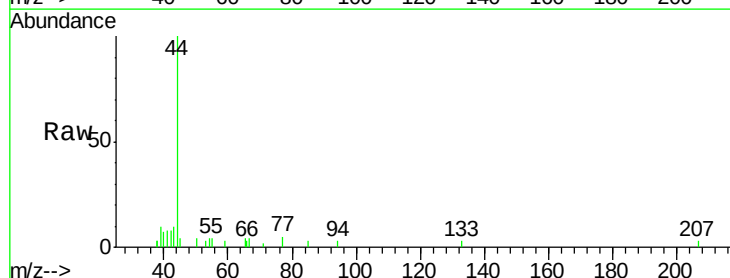
Acq: 25 Jan 2019 14:54

Tgt Ion: 59 Resp: 73

Ion Ratio Lower Upper

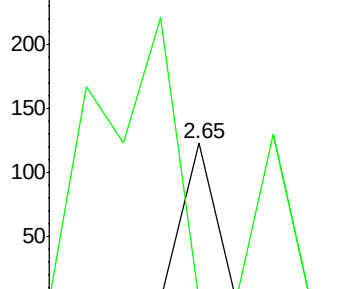
59 100

57 0.0 11.9 17.9#

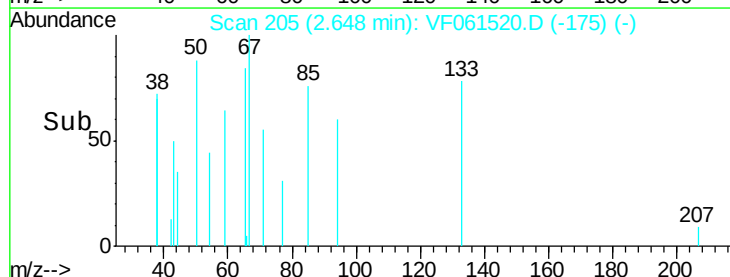


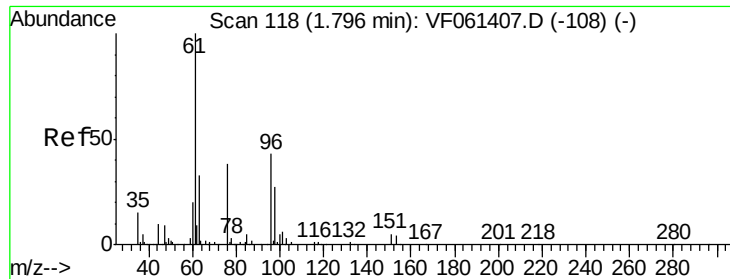
Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0



Time-->

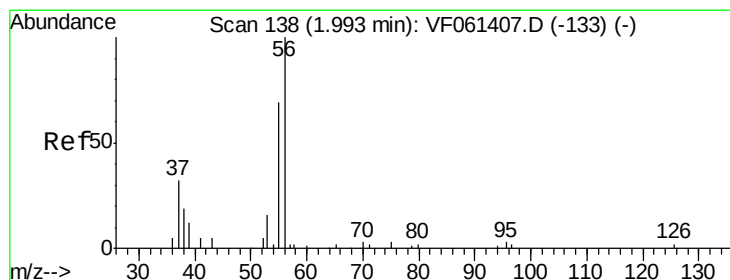
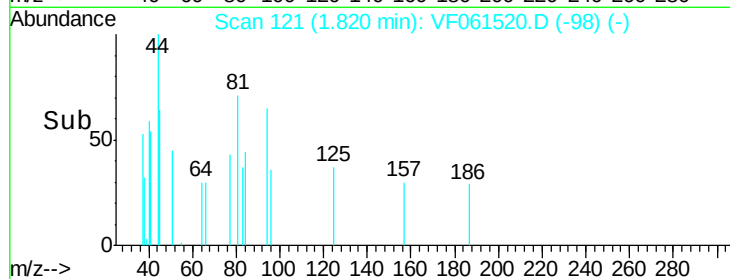
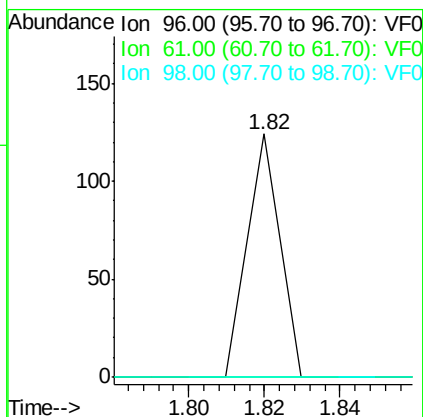
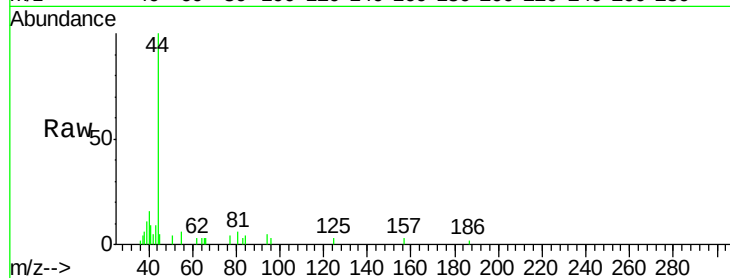




#12
 1,1-Dichloroethene
 Concen: 1.753 ug/l
 RT: 1.82 min Scan# 121
 Delta R.T. 0.02 min
 Lab File: VF061520.D
 Acq: 25 Jan 2019 14:54

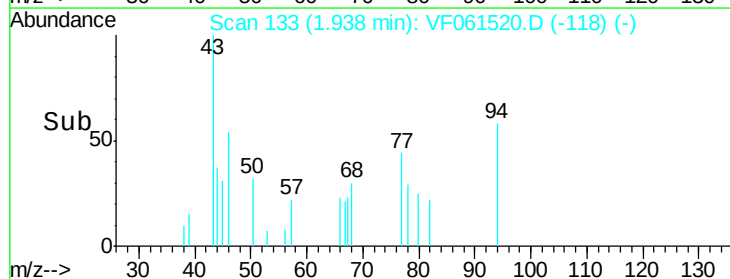
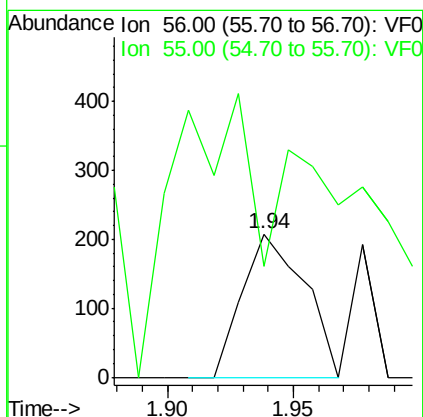
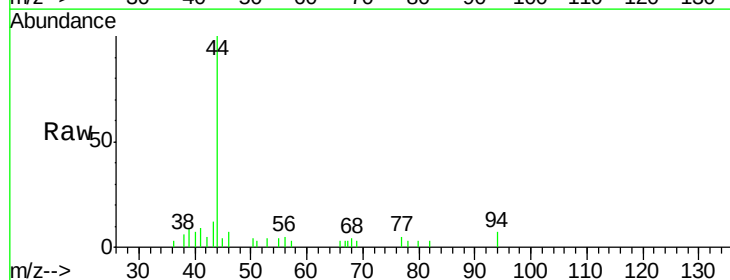
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 RBR-20035

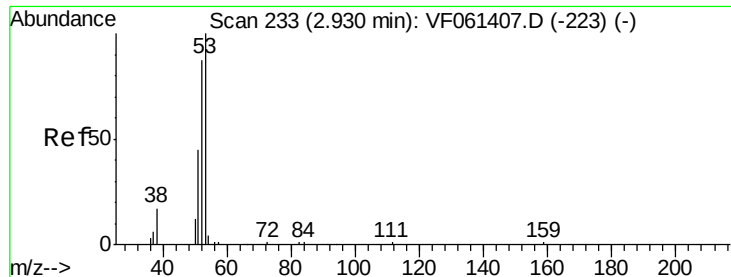
Tot Ion: 96 Resp: 73
 Ion Ratio Lower Upper
 96 100
 61 0.0 186.9 280.3#
 98 0.0 53.0 79.4#



#13
 Acrolein
 Concen: 173.180 ug/l
 RT: 1.94 min Scan# 133
 Delta R.T. -0.05 min
 Lab File: VF061520.D
 Acq: 25 Jan 2019 14:54

Tgt Ion: 56 Resp: 358
 Ion Ratio Lower Upper
 56 100
 55 76.9 57.5 86.3





#15

Acrylonitrile

Concen: 18.668 ug/l

RT: 2.95 min Scan# 236

Delta R.T. 0.02 min

Lab File: VF061520.D

Acq: 25 Jan 2019 14:54

Instrument :

MSVOA_F

ClientSampled :

RBR-20035

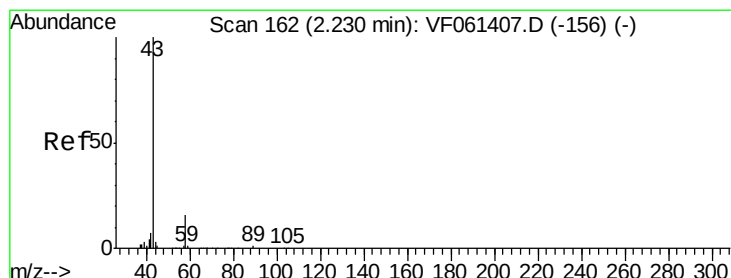
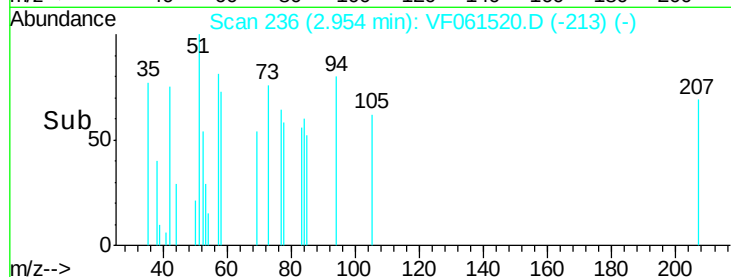
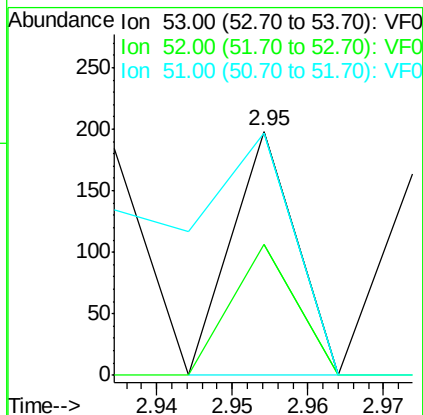
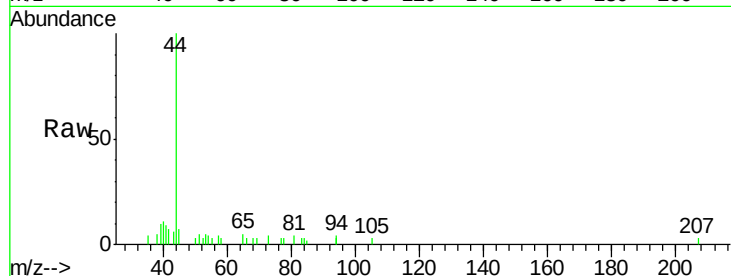
Tot Ion: 53 Resp: 117

Ion Ratio Lower Upper

53 100

52 53.5 69.6 104.4#

51 99.5 36.8 55.2#



#16

Acetone

Concen: 35.183 ug/l

RT: 2.24 min Scan# 164

Delta R.T. 0.01 min

Lab File: VF061520.D

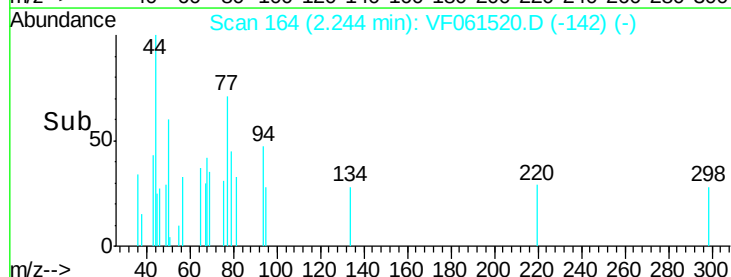
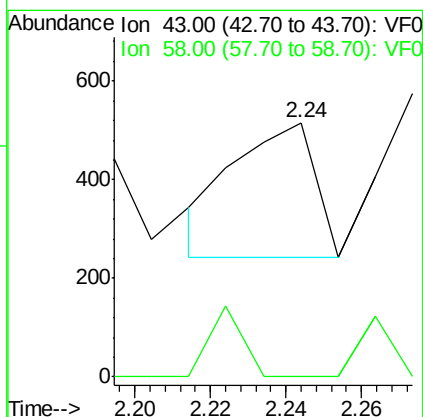
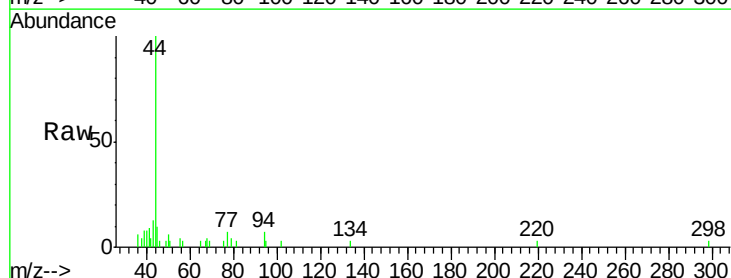
Acq: 25 Jan 2019 14:54

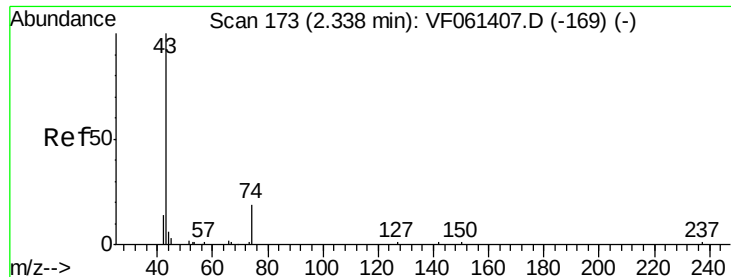
Tgt Ion: 43 Resp: 408

Ion Ratio Lower Upper

43 100

58 0.0 13.3 19.9#

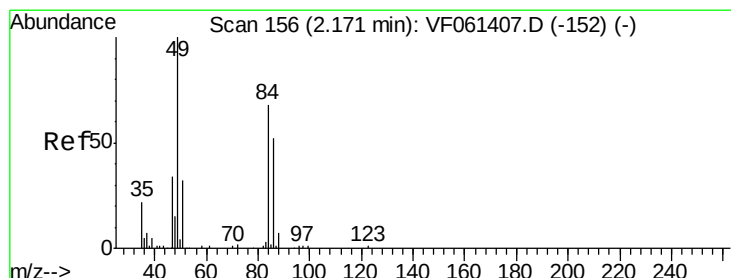
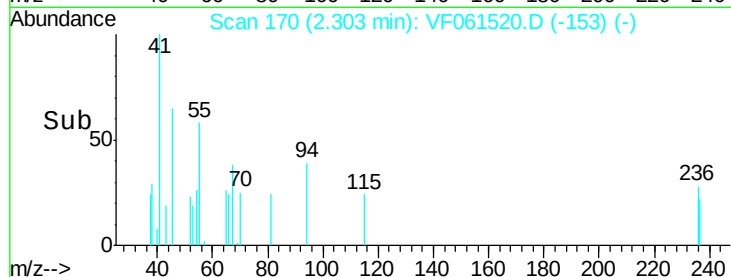
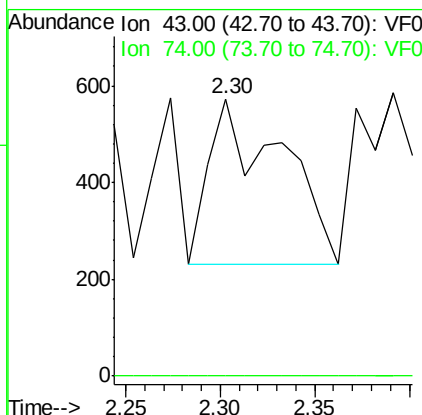
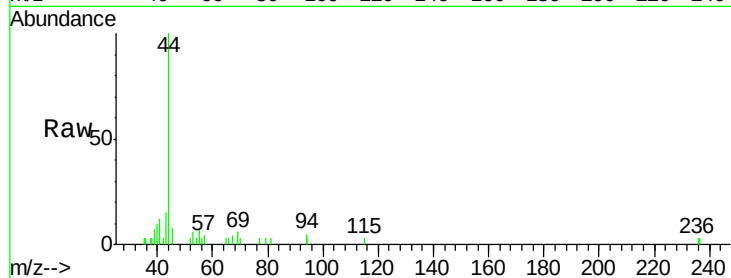




#18
Methyl Acetate
Concen: 39.526 ug/l
RT: 2.30 min Scan# 170
Delta R.T. -0.04 min
Lab File: VF061520.D
Acq: 25 Jan 2019 14:54

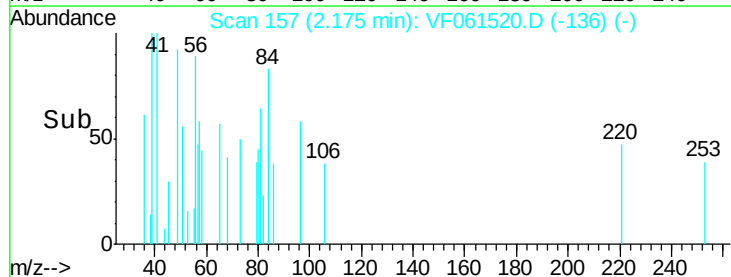
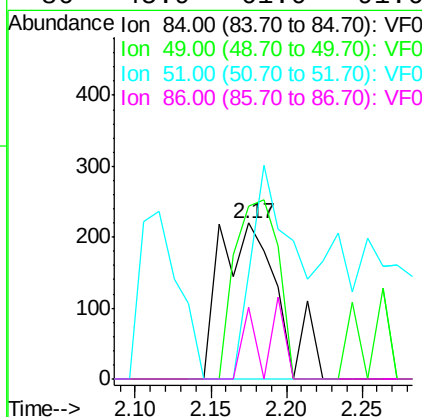
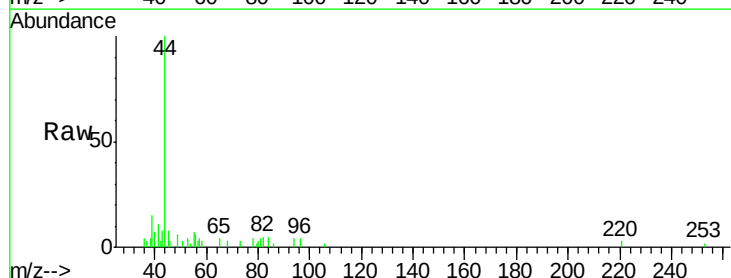
Instrument :
MSVOA_F
ClientSampleId :
RBR-20035

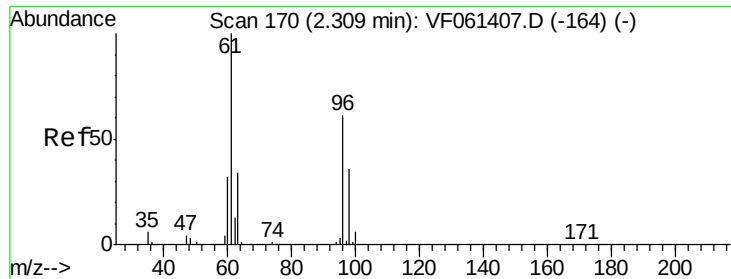
Tot Ion: 43 Resp: 909
Ion Ratio Lower Upper
43 100
74 0.0 13.4 20.0#



#20
Methylene Chloride
Concen: 13.844 ug/l
RT: 2.17 min Scan# 157
Delta R.T. 0.00 min
Lab File: VF061520.D
Acq: 25 Jan 2019 14:54

Tgt Ion: 84 Resp: 595
Ion Ratio Lower Upper
84 100
49 110.5 120.0 180.0#
51 67.7 38.6 58.0#
86 45.9 61.0 91.6#





#21

trans-1,2-Dichloroethene

Concen: 1.593 ug/l

RT: 2.27 min Scan# 167

Delta R.T. -0.04 min

Lab File: VF061520.D

Acq: 25 Jan 2019 14:54

Instrument :

MSVOA_F

ClientSampleId :

RBR-20035

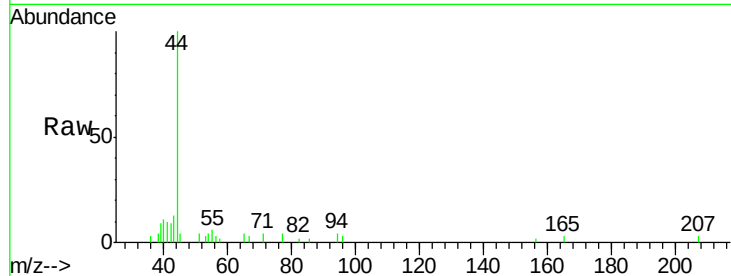
Tot Ion: 96 Resp: 73

Ion Ratio Lower Upper

96 100

61 0.0 131.8 197.8#

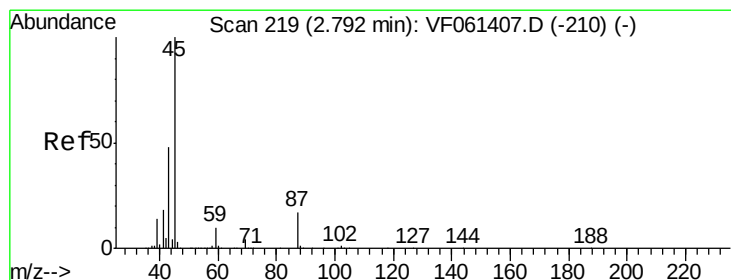
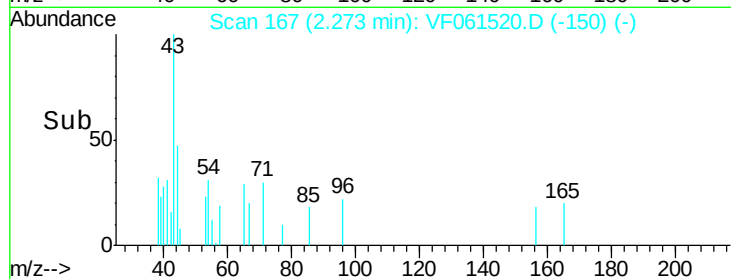
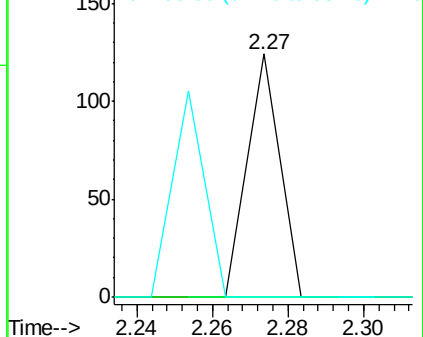
98 0.0 47.4 71.0#



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



#22

Diisopropyl ether

Concen: 1.943 ug/l

RT: 2.79 min Scan# 219

Delta R.T. -0.01 min

Lab File: VF061520.D

Acq: 25 Jan 2019 14:54

Tgt Ion: 45 Resp: 288

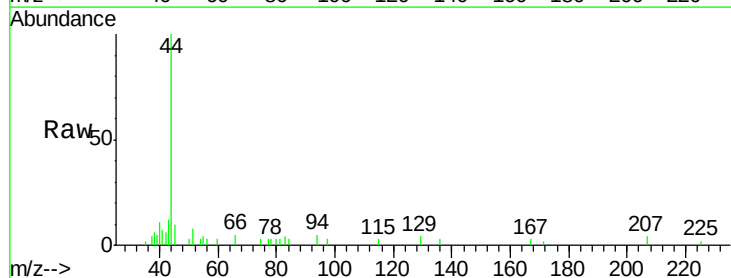
Ion Ratio Lower Upper

45 100

43 127.0 39.0 58.6#

87 0.0 13.9 20.9#

59 0.0 7.8 11.6#

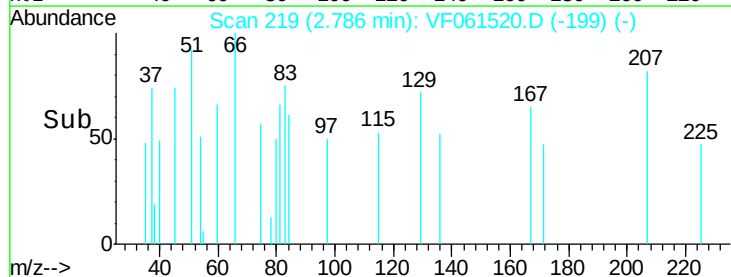
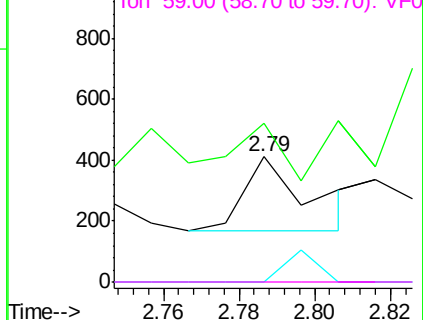


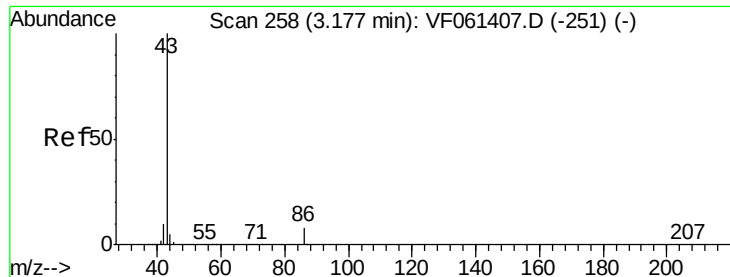
Abundance Ion 45.00 (44.70 to 45.70): VF0

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: 10.676 ug/l

RT: 3.18 min Scan# 259

Delta R.T. 0.00 min

Lab File: VF061520.D

Acq: 25 Jan 2019 14:54

Instrument :

MSVOA_F

ClientSampleId :

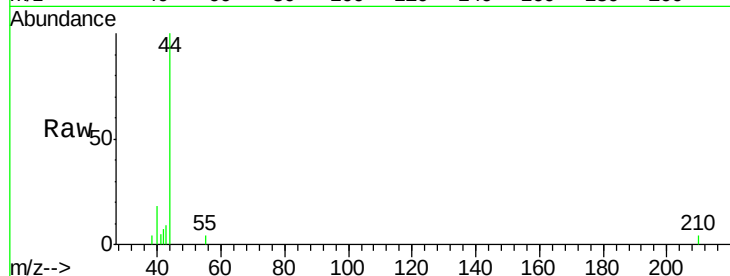
RBR-20035

Tot Ion: 43 Resp: 494

Ion Ratio Lower Upper

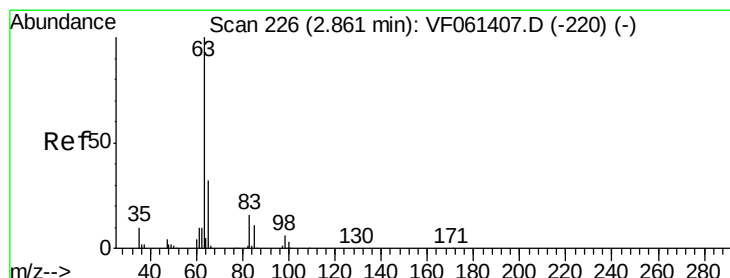
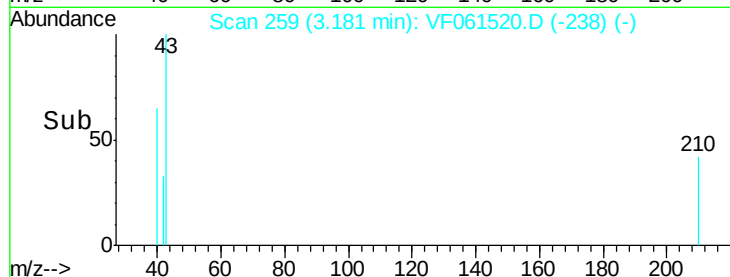
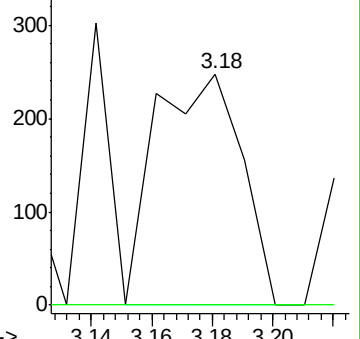
43 100

86 0.0 6.2 9.4#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 1.097 ug/l

RT: 2.81 min Scan# 221

Delta R.T. -0.05 min

Lab File: VF061520.D

Acq: 25 Jan 2019 14:54

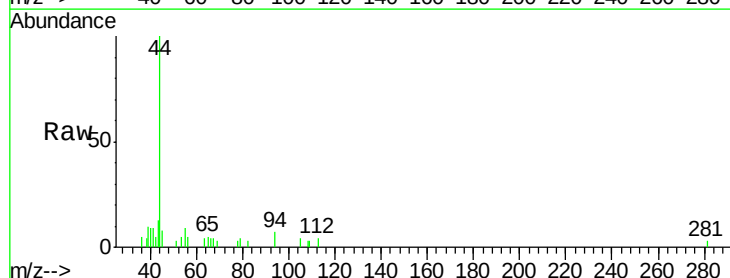
Tgt Ion: 63 Resp: 102

Ion Ratio Lower Upper

63 100

98 0.0 2.9 8.8#

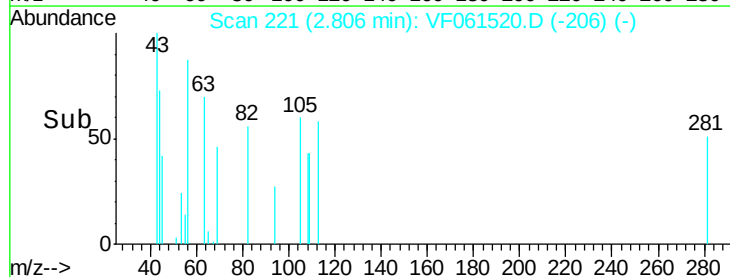
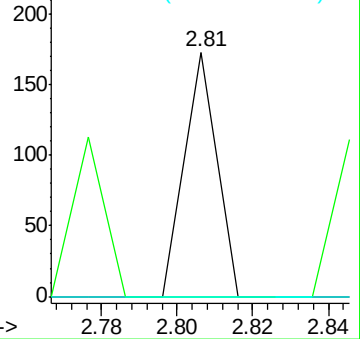
100 0.0 1.6 4.8#

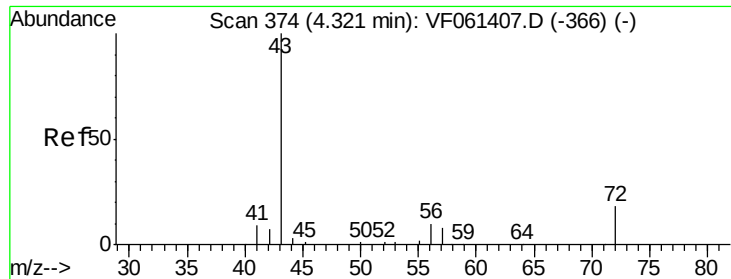


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 3.941 ug/l

RT: 4.37 min Scan# 380

Delta R.T. 0.05 min

Lab File: VF061520.D

Acq: 25 Jan 2019 14:54

Instrument :

MSVOA_F

ClientSampleId :

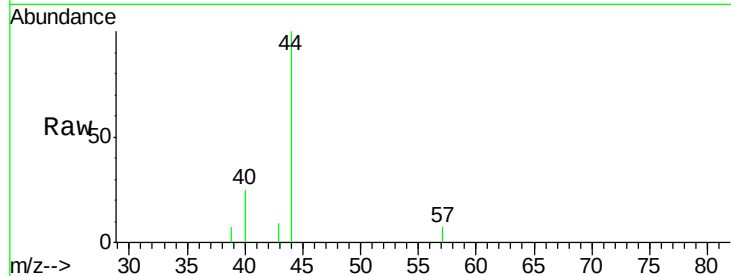
RBR-20035

Tot Ion: 43 Resp: 76

Ion Ratio Lower Upper

43 100

72 0.0 15.8 23.6#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

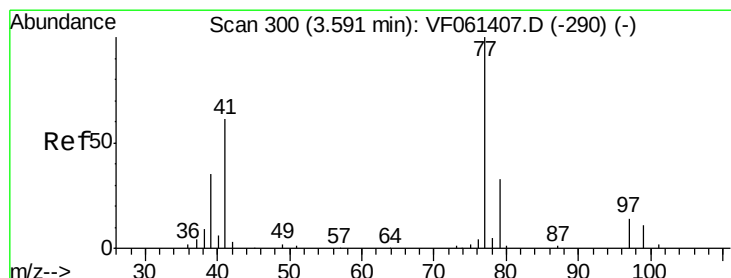
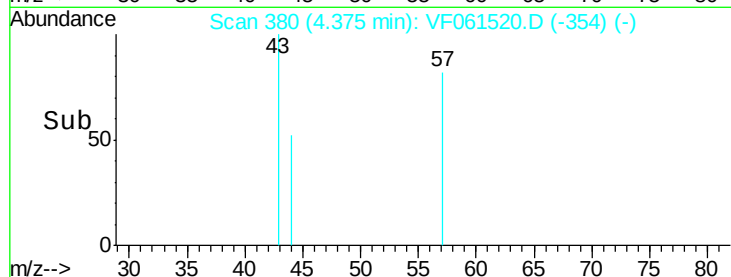
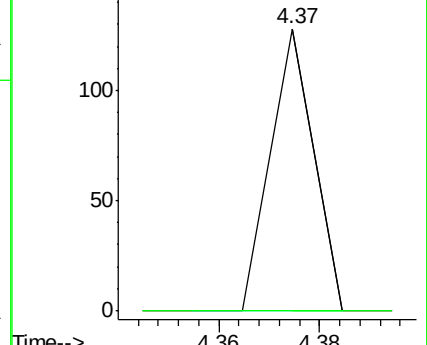
150

100

50

0

4.36 4.37 4.38



#26

2,2-Dichloropropane

Concen: 1.208 ug/l

RT: 3.68 min Scan# 310

Delta R.T. 0.09 min

Lab File: VF061520.D

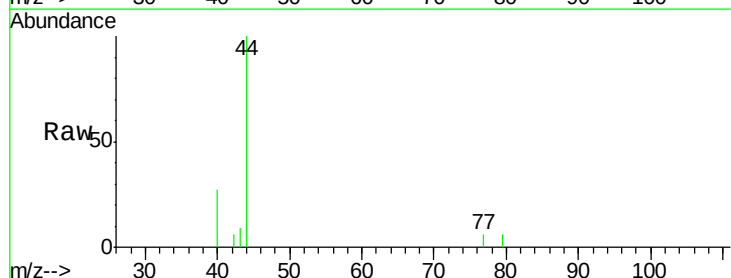
Acq: 25 Jan 2019 14:54

Tgt Ion: 77 Resp: 69

Ion Ratio Lower Upper

77 100

97 0.0 8.5 25.5#



Abundance Ion 77.00 (76.70 to 77.70): VF0

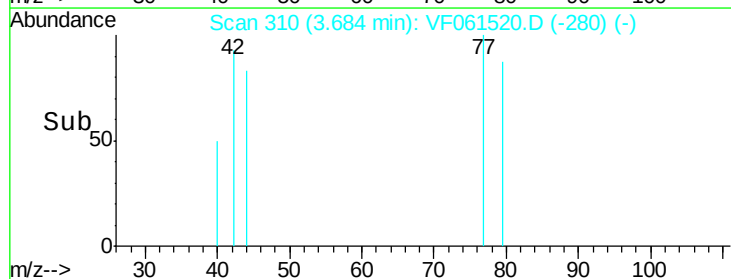
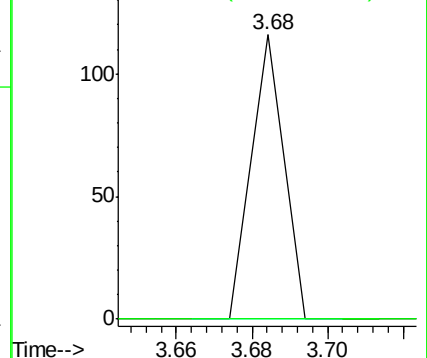
Ion 97.00 (96.70 to 97.70): VF0

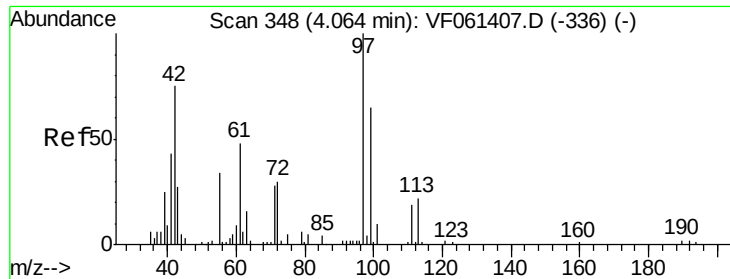
100

50

0

3.66 3.68 3.70





#29

Tetrahydrofuran

Concen: 15.897 ug/l

RT: 4.07 min Scan# 349

Delta R.T. 0.00 min

Lab File: VF061520.D

Acq: 25 Jan 2019 14:54

Instrument :

MSVOA_F

ClientSampleId :

RBR-20035

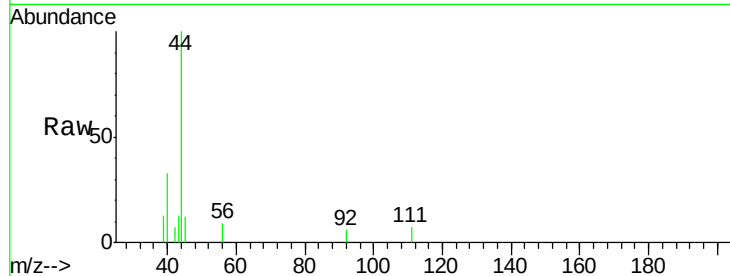
Tot Ion: 42 Resp: 132

Ion Ratio Lower Upper

42 100

72 0.0 28.9 43.3#

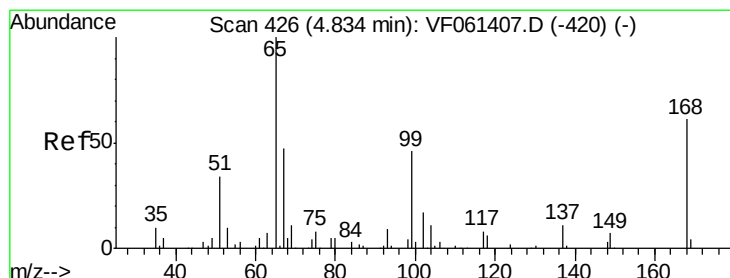
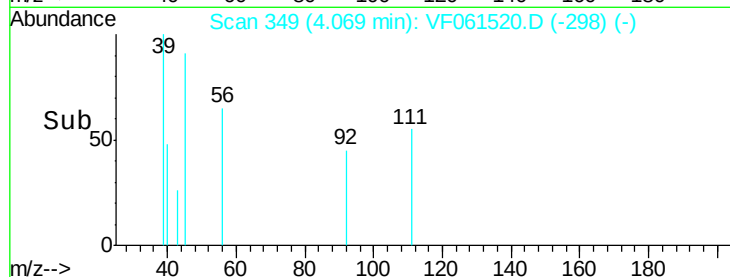
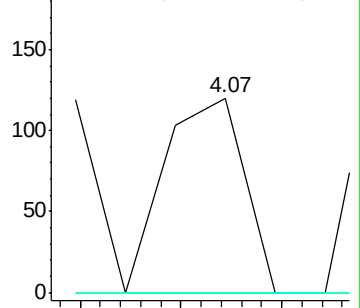
71 0.0 29.6 44.4#



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: 18.303 ug/l

RT: 4.87 min Scan# 430

Delta R.T. 0.03 min

Lab File: VF061520.D

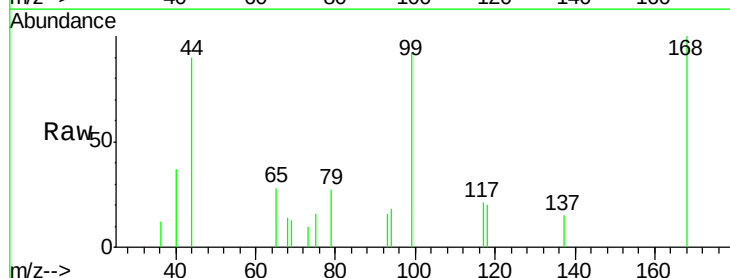
Acq: 25 Jan 2019 14:54

Tgt Ion: 65 Resp: 1058

Ion Ratio Lower Upper

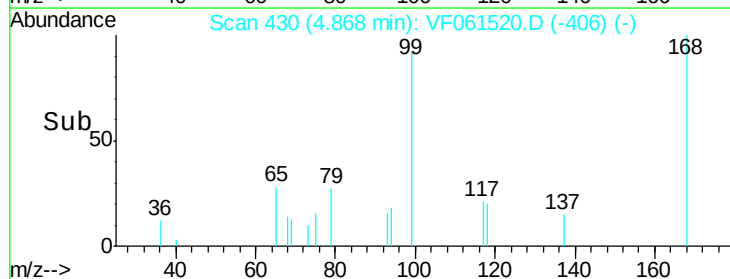
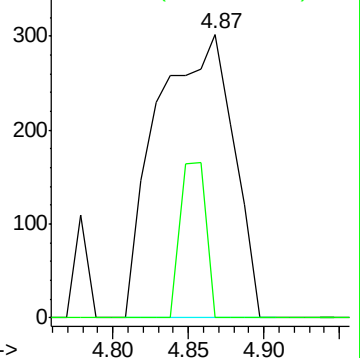
65 100

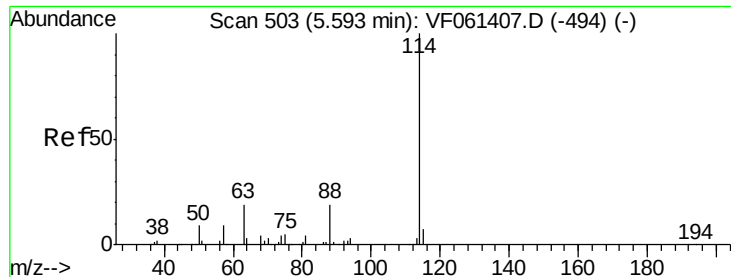
67 0.0 0.0 99.8



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: 5.60 min Scan# 504

Delta R.T. 0.00 min

Lab File: VF061520.D

Acq: 25 Jan 2019 14:54

Instrument :

MSVOA_F

ClientSampleId :

RBR-20035

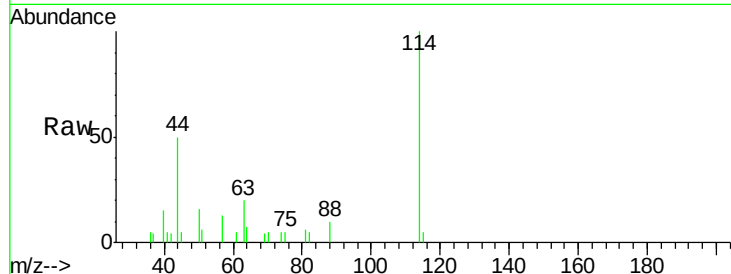
Tot Ion:114 Resp: 7043

Ion Ratio Lower Upper

114 100

63 19.9 0.0 39.0

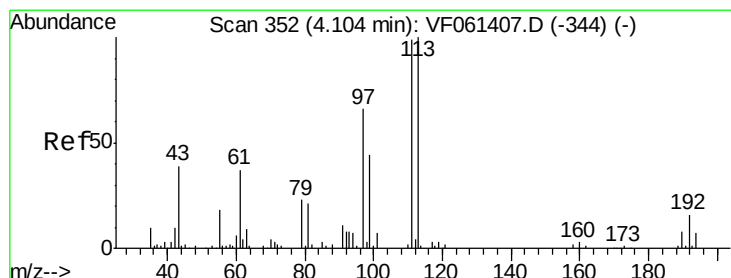
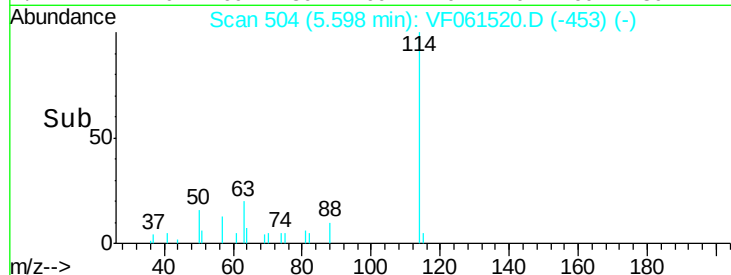
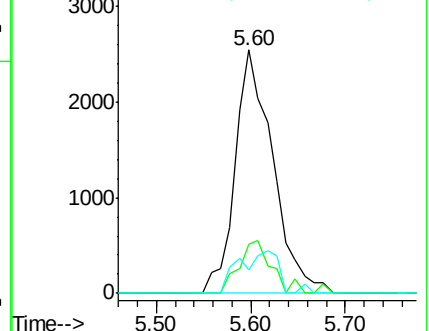
88 9.9 0.0 37.4



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: 23.518 ug/l

RT: 4.12 min Scan# 354

Delta R.T. 0.01 min

Lab File: VF061520.D

Acq: 25 Jan 2019 14:54

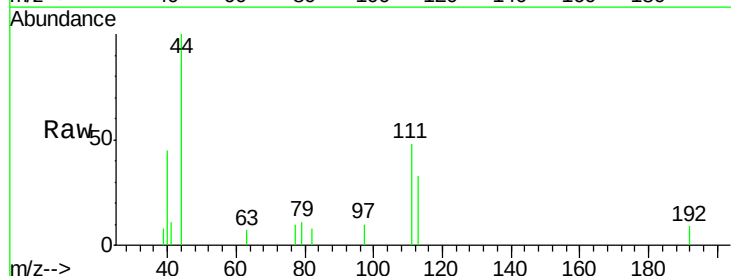
Tgt Ion:113 Resp: 1307

Ion Ratio Lower Upper

113 100

111 145.1 79.4 119.0#

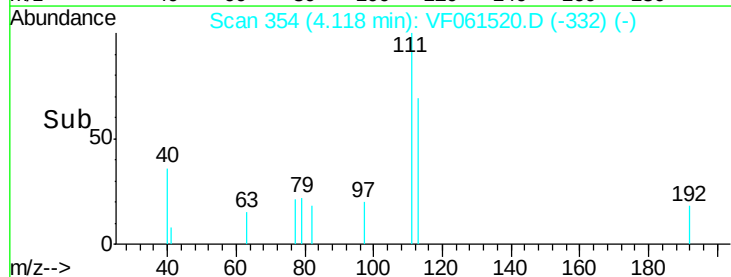
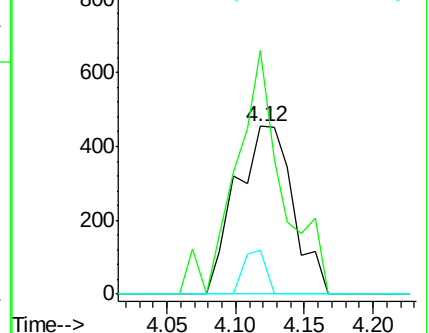
192 26.2 12.4 18.6#

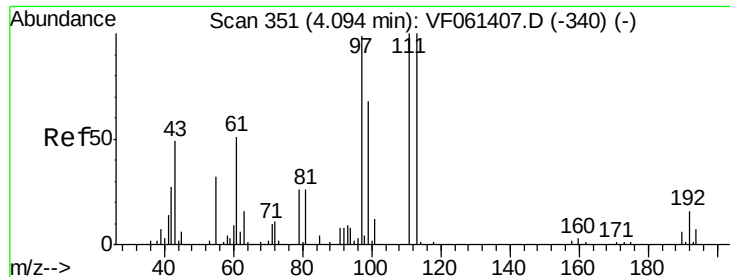


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#37

Ethyl Acetate

Concen: 6.709 ug/l

RT: 4.07 min Scan# 349

Delta R.T. -0.03 min

Lab File: VF061520.D

Acq: 25 Jan 2019 14:54

Instrument :

MSVOA_F

ClientSampleId :

RBR-20035

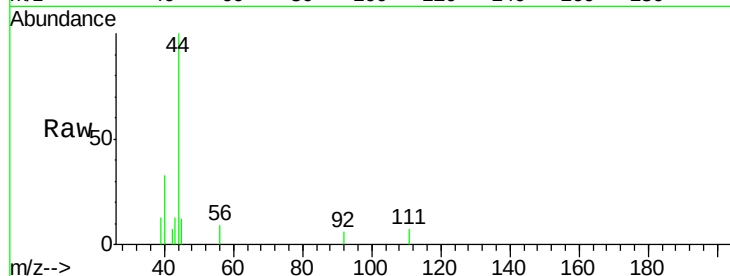
Tot Ion: 43 Resp: 219

Ion Ratio Lower Upper

43 100

61 0.0 81.7 122.5#

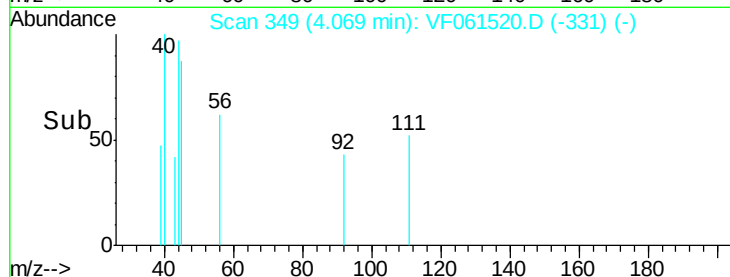
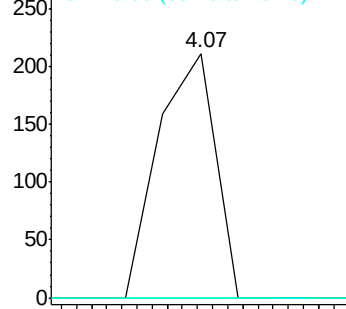
70 0.0 6.2 9.2#



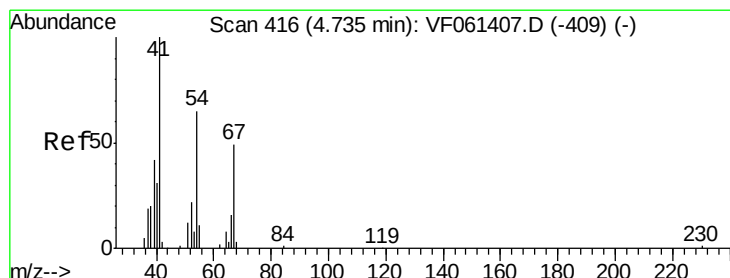
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0



Time-->



#41

Methacrylonitrile

Concen: 10.421 ug/l

RT: 4.72 min Scan# 415

Delta R.T. -0.02 min

Lab File: VF061520.D

Acq: 25 Jan 2019 14:54

Tgt Ion: 41 Resp: 181

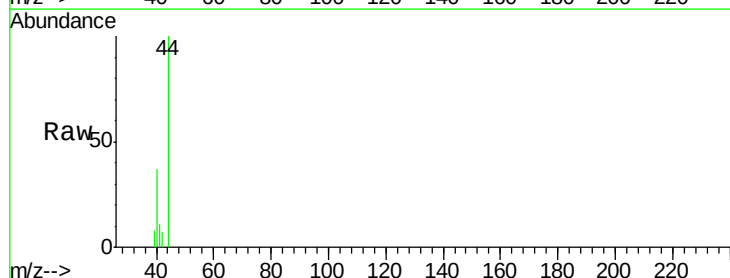
Ion Ratio Lower Upper

41 100

39 68.6 43.1 64.7#

67 0.0 38.8 58.2#

52 0.0 33.2 49.8#

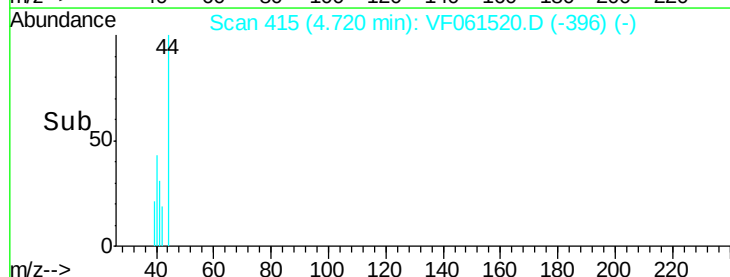
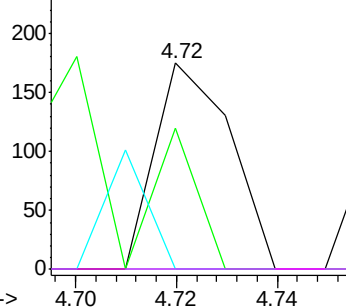


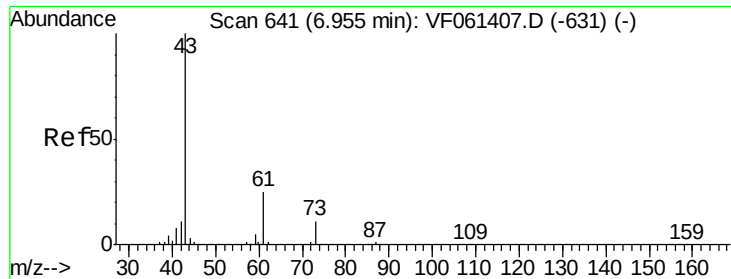
Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0





#43

Isopropyl Acetate

Concen: 1.489 ug/l

RT: 6.95 min Scan# 641

Delta R.T. -0.01 min

Lab File: VF061520.D

Acq: 25 Jan 2019 14:54

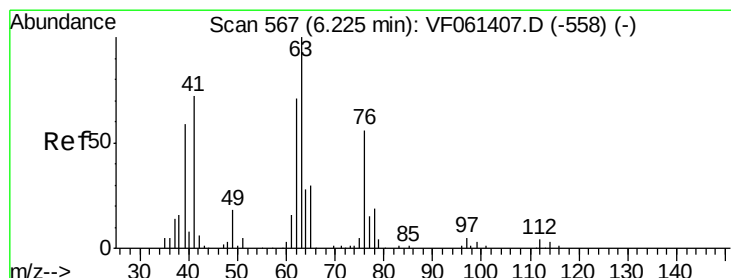
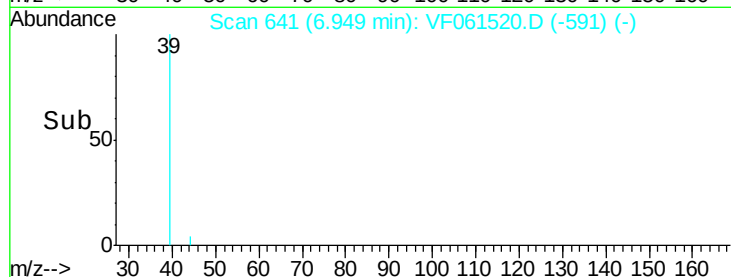
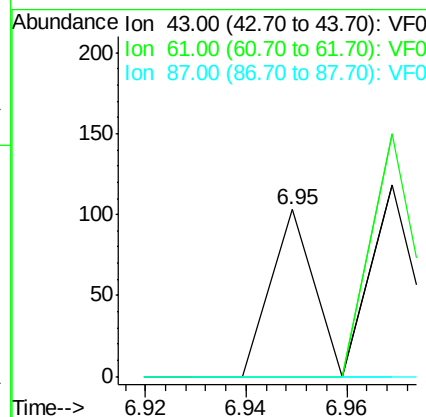
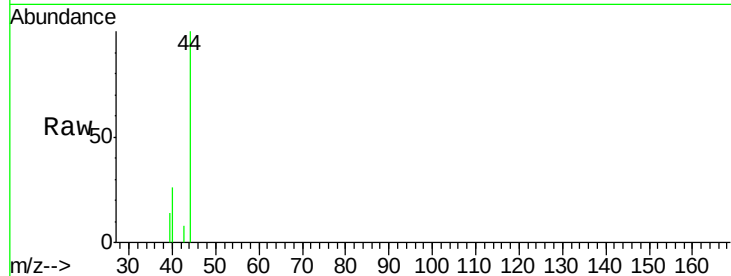
Instrument :

MSVOA_F

ClientSampleId :

RBR-20035

Tot Ion:	43	Resp:	61
Ion	Ratio	Lower	Upper
43	100		
61	0.0	20.3	30.5#
87	0.0	0.5	0.7#



#45

1,2-Dichloropropane

Concen: 1.258 ug/l

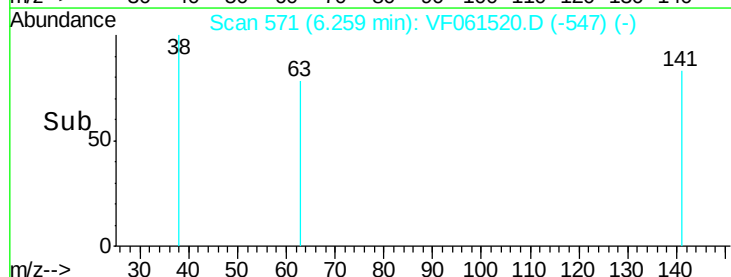
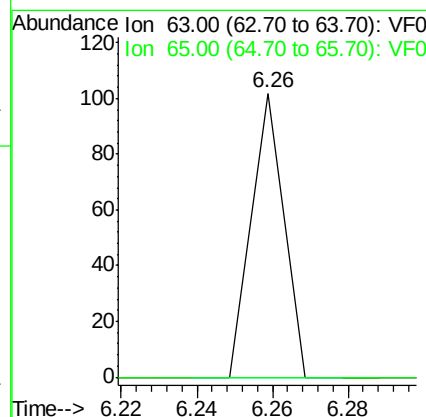
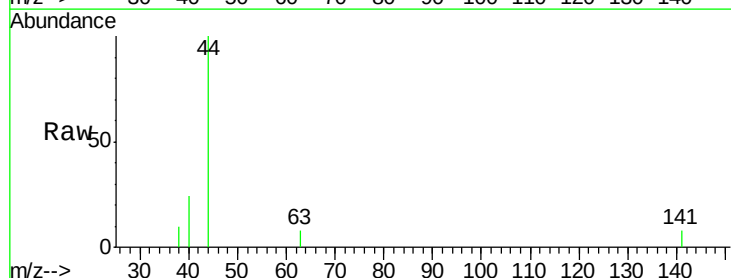
RT: 6.26 min Scan# 571

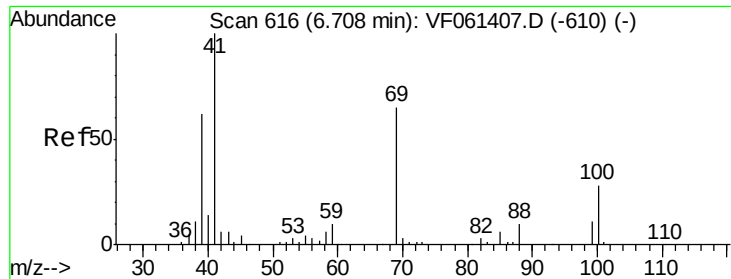
Delta R.T. 0.03 min

Lab File: VF061520.D

Acq: 25 Jan 2019 14:54

Tgt Ion:	63	Resp:	60
Ion	Ratio	Lower	Upper
63	100		
65	0.0	24.4	36.6#

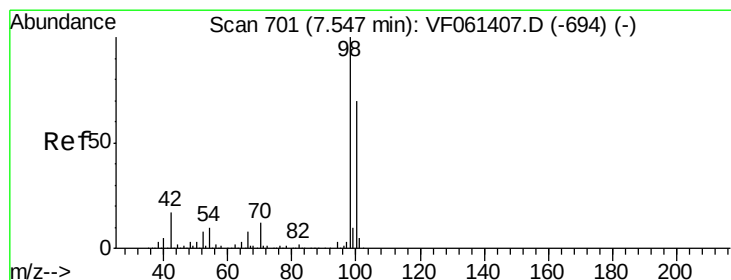
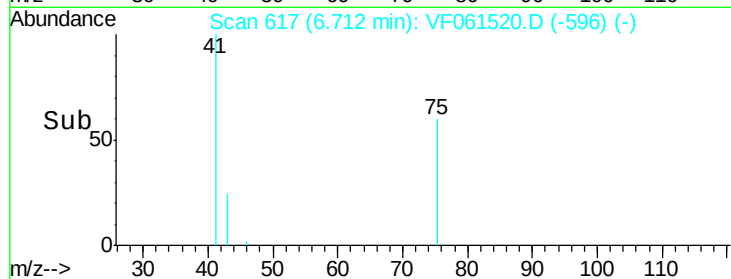
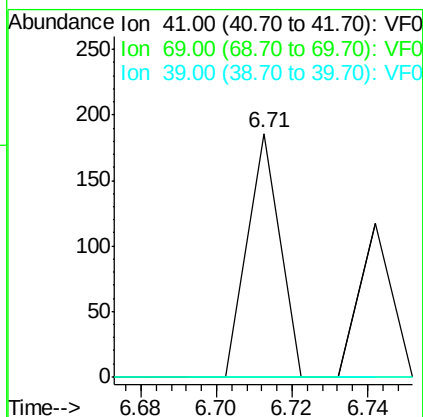
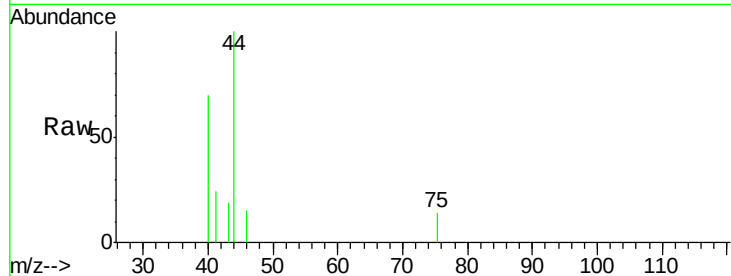




#48
Methyl methacrylate
Concen: 3.999 ug/l
RT: 6.71 min Scan# 617
Delta R.T. 0.00 min
Lab File: VF061520.D
Acq: 25 Jan 2019 14:54

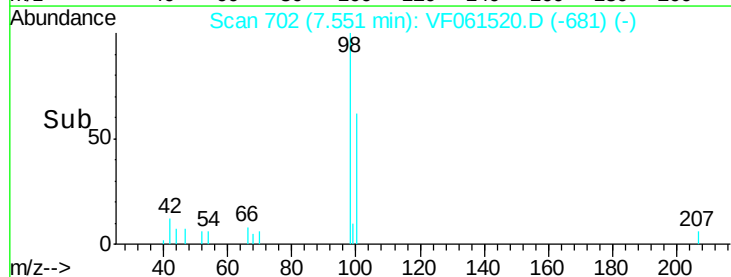
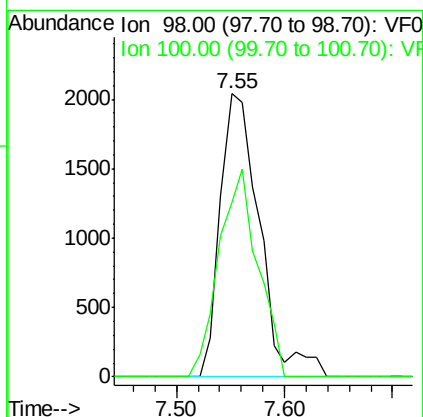
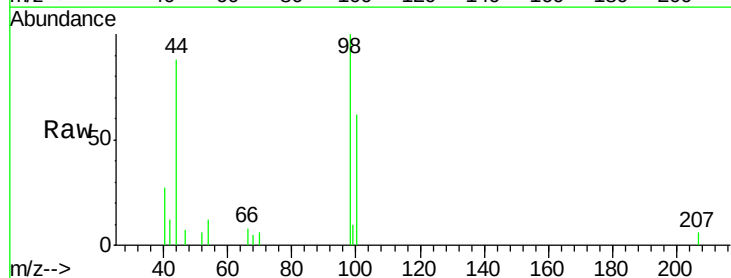
Instrument :
MSVOA_F
ClientSampleId :
RBR-20035

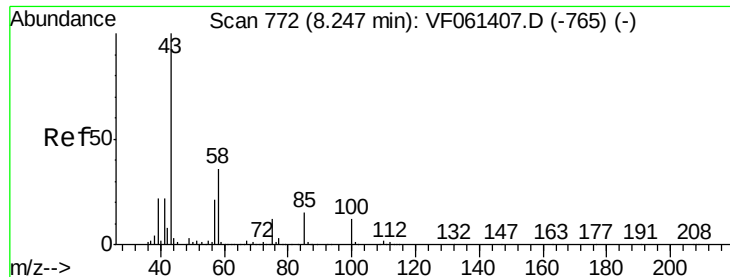
Tot Ion: 41 Resp: 110
Ion Ratio Lower Upper
41 100
69 0.0 51.7 77.5#
39 0.0 49.2 73.8#



#50
Toluene-d8
Concen: 33.993 ug/l
RT: 7.55 min Scan# 702
Delta R.T. 0.00 min
Lab File: VF061520.D
Acq: 25 Jan 2019 14:54

Tgt Ion: 98 Resp: 5176
Ion Ratio Lower Upper
98 100
100 61.8 55.6 83.4





#51

4-Methyl-2-Pentanone

Concen: 2.424 ug/l

RT: 8.26 min Scan# 774

Delta R.T. 0.01 min

Lab File: VF061520.D

Acq: 25 Jan 2019 14:54

Instrument :

MSVOA_F

ClientSampleId :

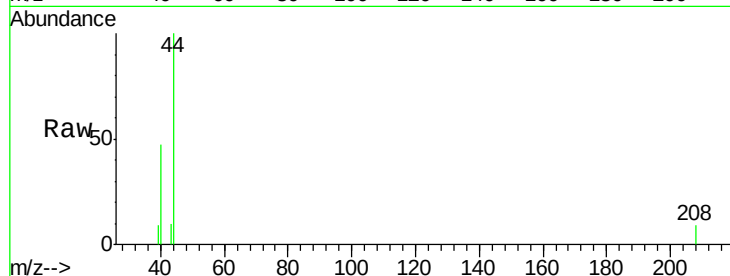
RBR-20035

Tot Ion: 43 Resp: 73

Ion Ratio Lower Upper

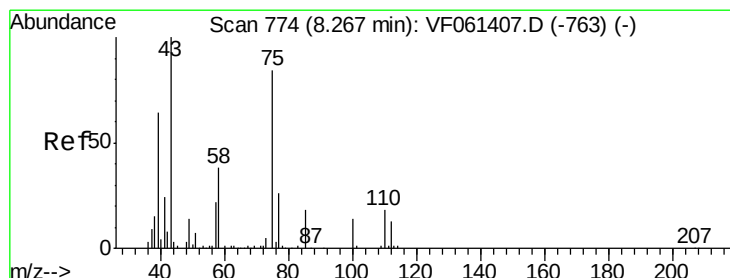
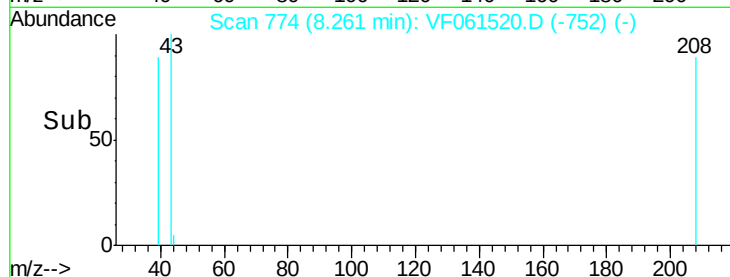
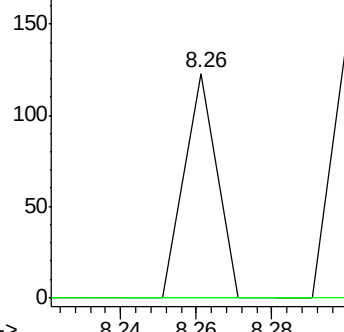
43 100

58 0.0 28.8 43.2#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#53

t-1,3-Dichloropropene

Concen: 1.043 ug/l

RT: 8.43 min Scan# 791

Delta R.T. 0.16 min

Lab File: VF061520.D

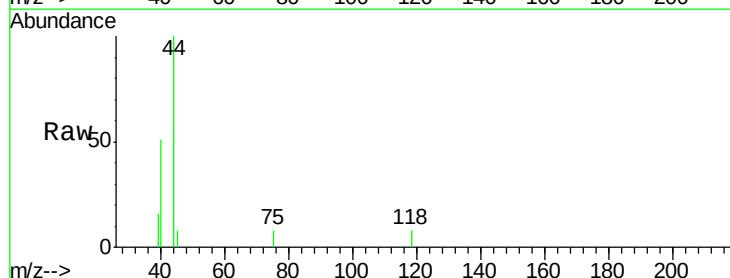
Acq: 25 Jan 2019 14:54

Tgt Ion: 75 Resp: 65

Ion Ratio Lower Upper

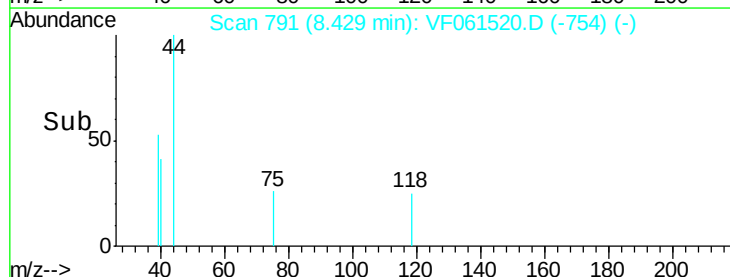
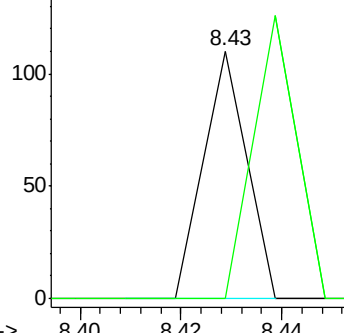
75 100

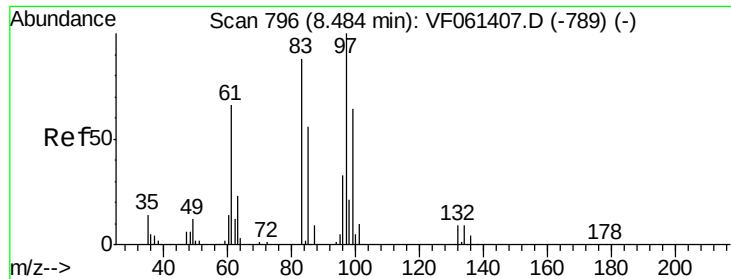
77 0.0 24.4 36.6#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#55

1,1,2-Trichloroethane

Concen: 1.825 ug/l

RT: 8.34 min Scan# 782

Delta R.T. -0.14 min

Lab File: VF061520.D

Acq: 25 Jan 2019 14:54

Instrument :

MSVOA_F

ClientSampleId :

RBR-20035

Tot Ion: 97 Resp: 62

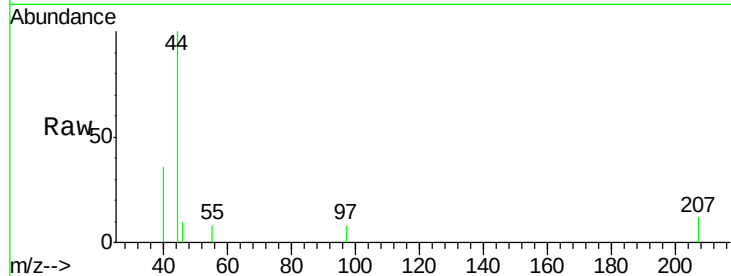
Ion Ratio Lower Upper

97 100

83 0.0 70.4 105.6#

85 0.0 44.7 67.1#

99 0.0 50.8 76.2#

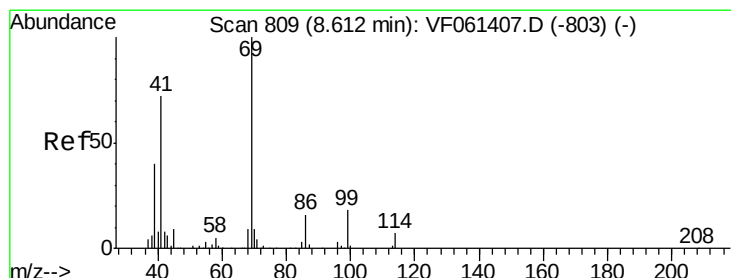
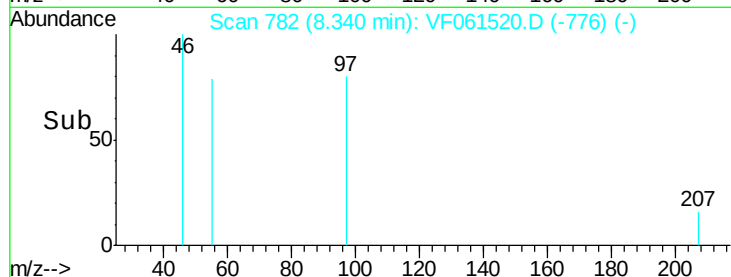
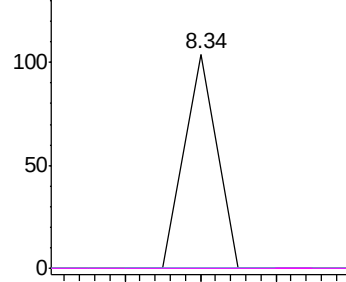


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 2.858 ug/l

RT: 8.50 min Scan# 798

Delta R.T. -0.11 min

Lab File: VF061520.D

Acq: 25 Jan 2019 14:54

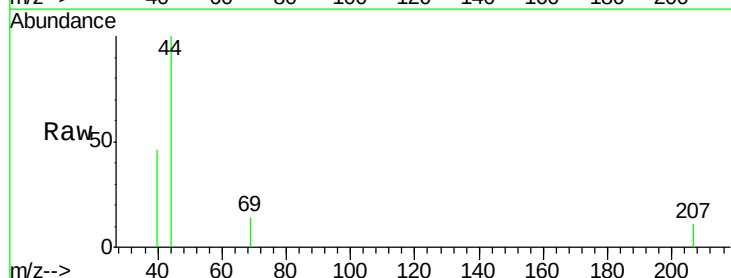
Tgt Ion: 69 Resp: 113

Ion Ratio Lower Upper

69 100

41 0.0 57.5 86.3#

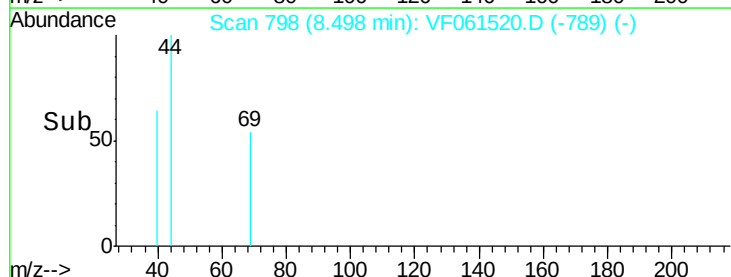
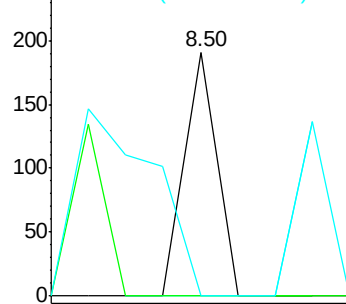
39 0.0 32.0 48.0#

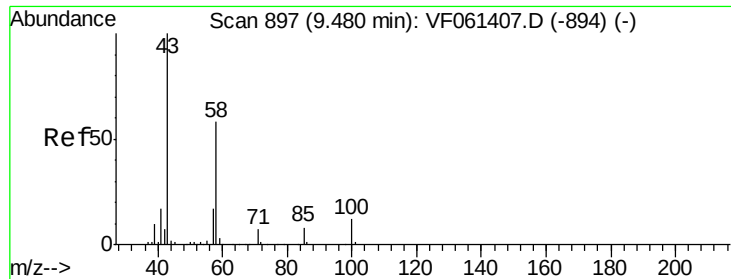


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

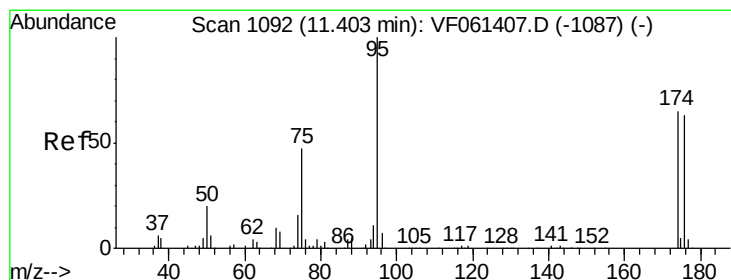
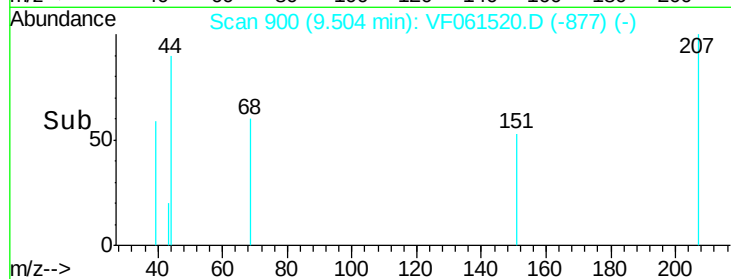
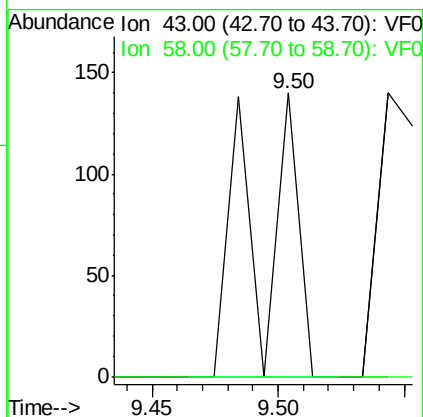
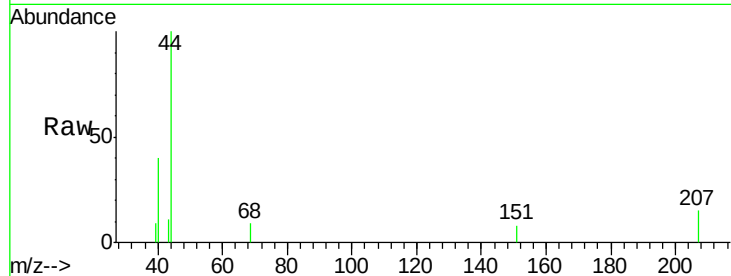




#59
2-Hexanone
Concen: 7.856 ug/l
RT: 9.50 min Scan# 900
Delta R.T. 0.02 min
Lab File: VF061520.D
Acq: 25 Jan 2019 14:54

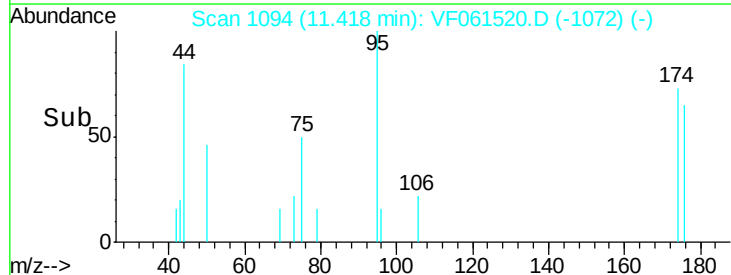
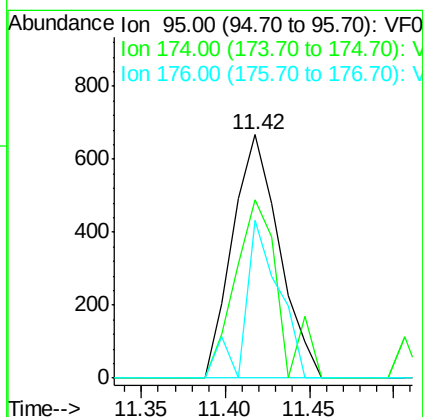
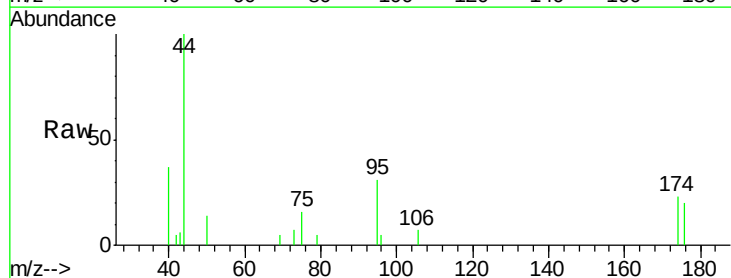
Instrument :
MSVOA_F
ClientSampleId :
RBR-20035

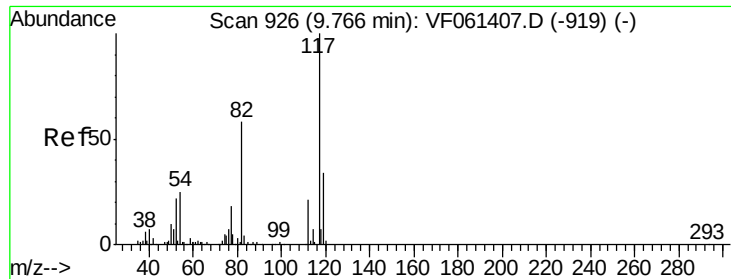
Tot Ion: 43 Resp: 165
Ion Ratio Lower Upper
43 100
58 0.0 25.9 77.6#



#62
4-Bromofluorobenzene
Concen: 18.062 ug/l
RT: 11.42 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VF061520.D
Acq: 25 Jan 2019 14:54

Tgt Ion: 95 Resp: 1285
Ion Ratio Lower Upper
95 100
174 73.1 0.0 130.4
176 64.8 0.0 126.2

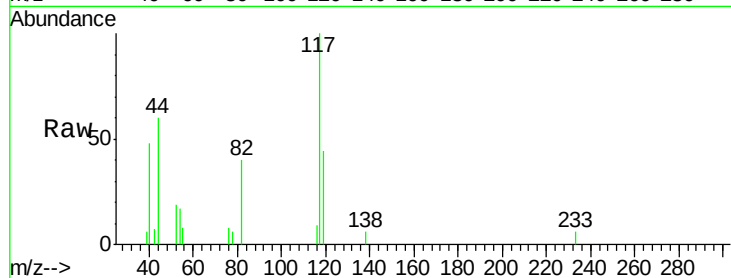




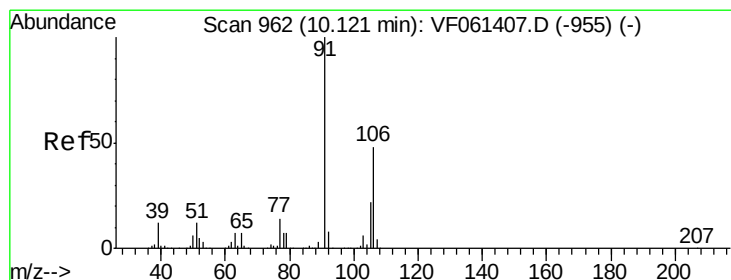
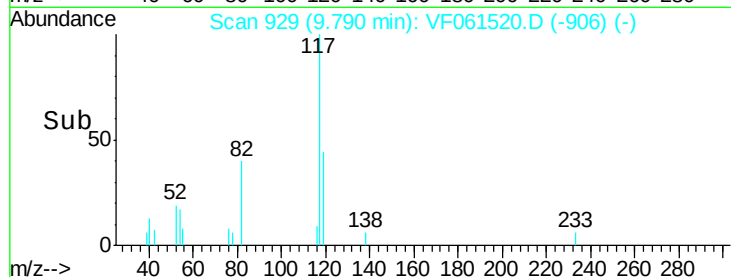
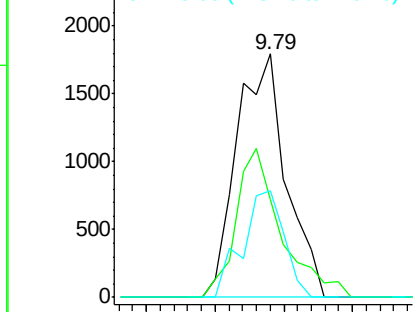
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.79 min Scan# 929
Delta R.T. 0.02 min
Lab File: VF061520.D
Acq: 25 Jan 2019 14:54

Instrument :
MSVOA_F
ClientSampleId :
RBR-20035

Tot Ion:117 Resp: 4482
Ion Ratio Lower Upper
117 100
82 39.9 46.4 69.6#
119 43.6 27.2 40.8#

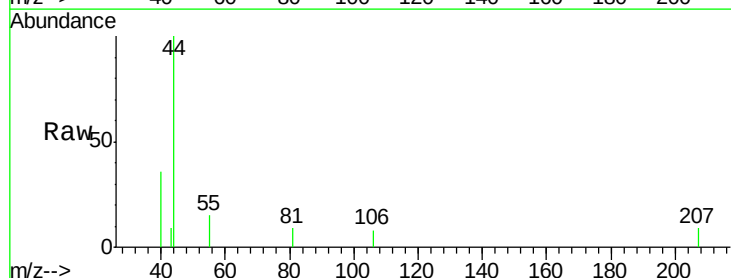


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

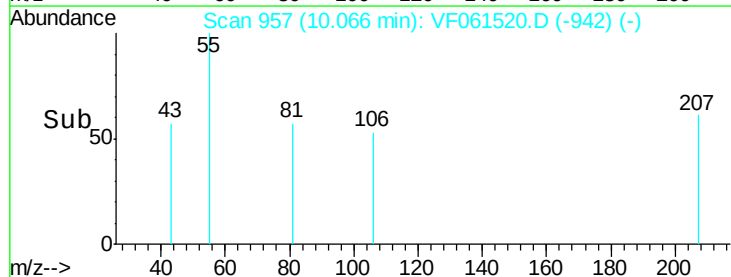
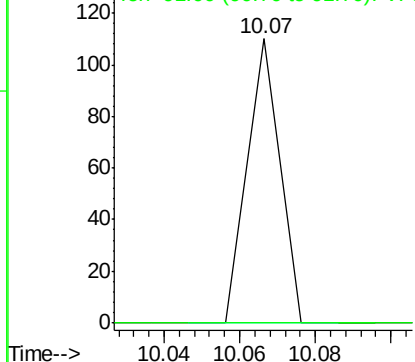


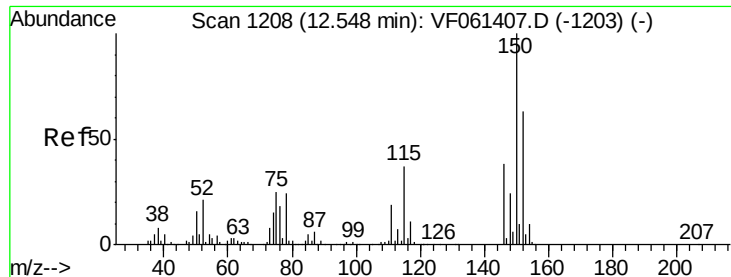
#68
m/p-Xylenes
Concen: 1.085 ug/l
RT: 10.07 min Scan# 957
Delta R.T. -0.05 min
Lab File: VF061520.D
Acq: 25 Jan 2019 14:54

Tgt Ion:106 Resp: 65
Ion Ratio Lower Upper
106 100
91 0.0 166.2 249.4#



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VF0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.56 min Scan# 1210

Delta R.T. 0.01 min

Lab File: VF061520.D

Acq: 25 Jan 2019 14:54

Instrument :

MSVOA_F

ClientSampled :

RBR-20035

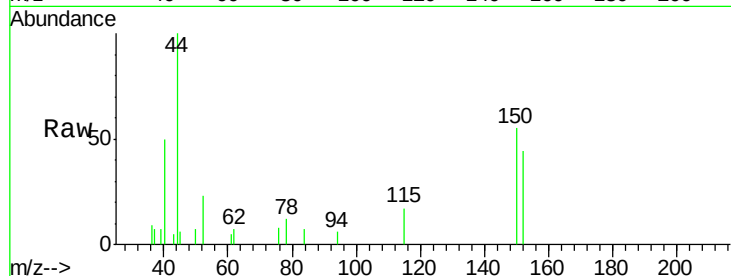
Tot Ion:152 Resp: 1508

Ion Ratio Lower Upper

152 100

115 38.2 30.0 90.0

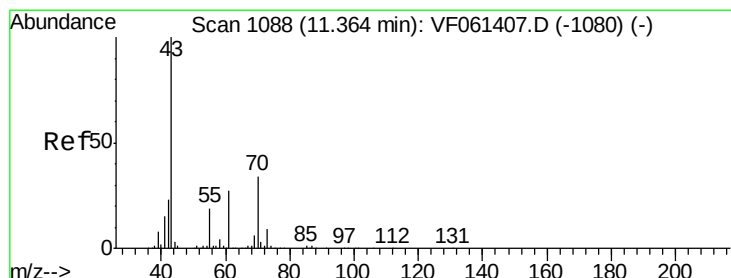
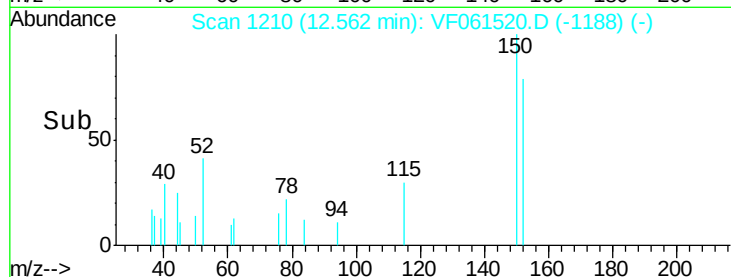
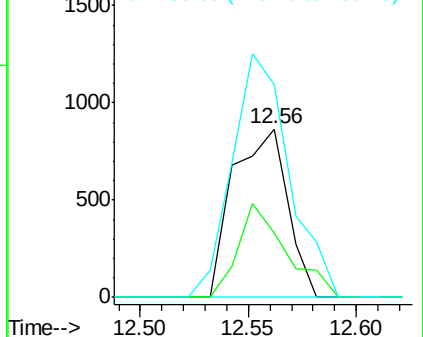
150 126.3 0.0 321.4



Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V



#74

N-aryl acetate

Concen: 2.931 ug/l

RT: 11.37 min Scan# 1089

Delta R.T. 0.00 min

Lab File: VF061520.D

Acq: 25 Jan 2019 14:54

Tgt Ion: 43 Resp: 85

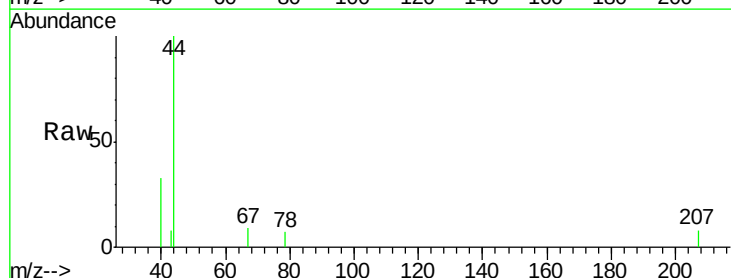
Ion Ratio Lower Upper

43 100

70 0.0 27.6 41.4#

55 0.0 15.4 23.2#

61 0.0 21.8 32.6#

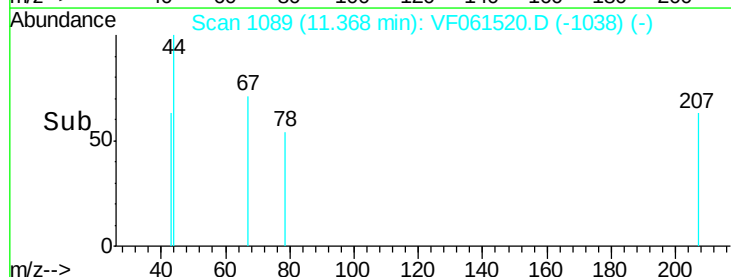
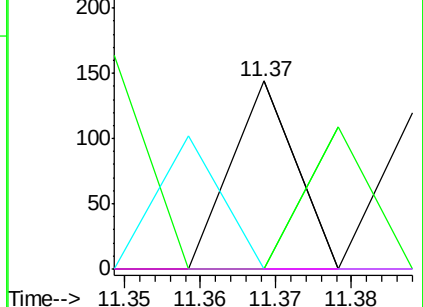


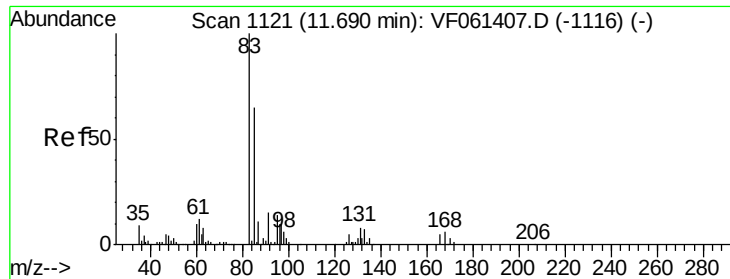
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 2.838 ug/l

RT: 11.57 min Scan# 1109

Delta R.T. -0.12 min

Lab File: VF061520.D

Acq: 25 Jan 2019 14:54

Instrument :

MSVOA_F

ClientSampled :

RBR-20035

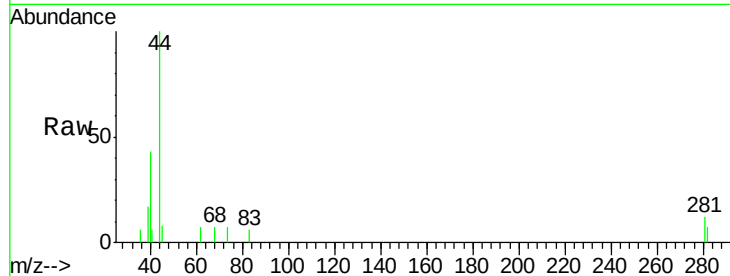
Tot Ion: 83 Resp: 62

Ion Ratio Lower Upper

83 100

131 0.0 4.0 12.2#

85 0.0 32.7 98.1#



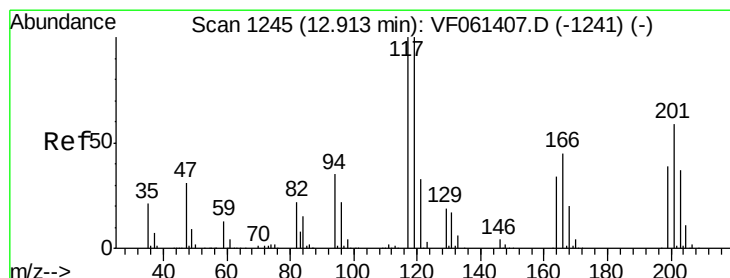
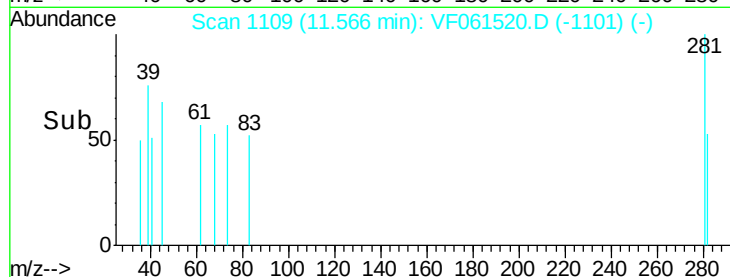
Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VF0

11.57

Time-->



#90

Hexachloroethane

Concen: 2.934 ug/l

RT: 12.79 min Scan# 1233

Delta R.T. -0.12 min

Lab File: VF061520.D

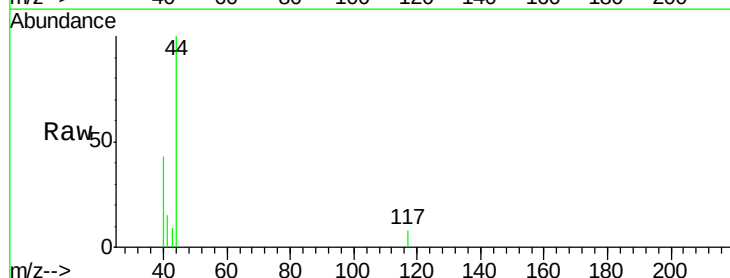
Acq: 25 Jan 2019 14:54

Tgt Ion: 117 Resp: 79

Ion Ratio Lower Upper

117 100

201 0.0 29.3 87.8#

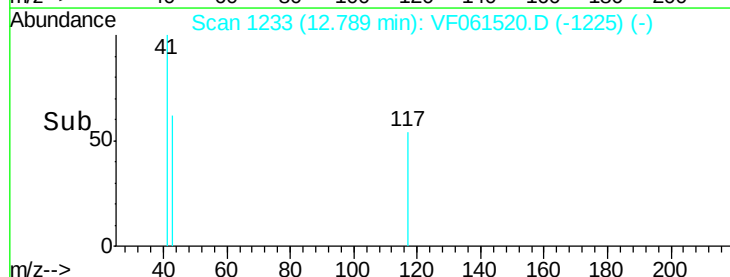


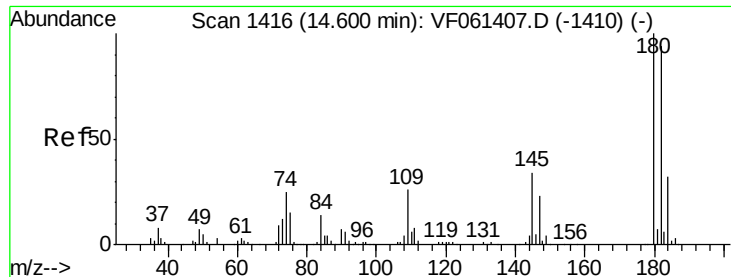
Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V

12.79

Time-->





#96

1,2,3-Trichlorobenzene

Concen: 2.864 ug/l

RT: 14.61 min Scan# 1418

Delta R.T. 0.01 min

Lab File: VF061520.D

Acq: 25 Jan 2019 14:54

Instrument :

MSVOA_F

ClientSampleId :

RBR-20035

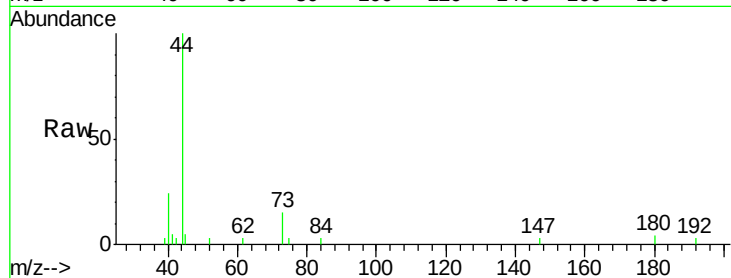
Tot Ion:180 Resp: 90

Ion Ratio Lower Upper

180 100

182 0.0 47.0 141.2#

145 0.0 17.1 51.2#



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

