

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF020719\
 Data File : VF061550.D
 Acq On : 7 Feb 2019 17:42
 Operator : VA/AP
 Sample : K1401-09
 Misc : 5.94g/5mL/MSVOA-F/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 RBR-200052

Quant Time: Feb 09 04:35:50 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	756	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.61	114	682	50.00	ug/l	0.01
63) Chlorobenzene-d5	9.78	117	520	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	0.00	152	0	0.00	ug/l	-12.55

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.83	65	73	7.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	15.64%	
35) Dibromofluoromethane	4.12	113	149	27.69	ug/l	0.01
Spiked Amount	50.000		Recovery	=	55.38%	
50) Toluene-d8	7.55	98	749	50.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.60%	
62) 4-Bromofluorobenzene	11.41	95	96	13.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	27.88%	

Target Compounds					Qvalue
3) Chloromethane	1.11	50	67	6.151	ug/l # 44
4) Vinyl Chloride	1.13	62	154	15.895	ug/l # 43
5) Bromomethane	1.32	94	420	66.477	ug/l # 50
6) Chloroethane	1.38	64	64	14.908	ug/l # 41
7) Trichlorofluoromethane	1.49	101	63	3.345	ug/l # 19
8) Diethyl Ether	1.49	74	124	51.379	ug/l 59
9) 1,1,2-Trichlorotrifluoroet	1.90	101	68	7.514	ug/l # 20
10) Methyl Iodide	1.85	142	85	6.058	ug/l # 27
12) 1,1-Dichloroethene	1.80	96	135	20.078	ug/l # 1
13) Acrolein	2.04	56	212	607.555	ug/l 90
14) Allyl chloride	2.12	41	558	72.733	ug/l # 81
15) Acrylonitrile	2.93	53	214	211.462	ug/l # 36
16) Acetone	2.13	43	674	359.953	ug/l 93
17) Carbon Disulfide	1.81	76	66	3.148	ug/l # 1
18) Methyl Acetate	2.37	43	972	261.755	ug/l # 61
19) Methyl tert-butyl Ether	2.36	73	278	18.444	ug/l # 59
20) Methylene Chloride	2.19	84	140	21.007	ug/l # 1
21) trans-1,2-Dichloroethene	2.31	96	70	9.462	ug/l # 1
22) Diisopropyl ether	2.79	45	458	19.141	ug/l # 9
23) Vinyl Acetate	3.22	43	849	82.831	ug/l # 78
24) 1,1-Dichloroethane	2.90	63	197	13.118	ug/l # 85
25) 2-Butanone	4.39	43	1067	342.664	ug/l # 57
26) 2,2-Dichloropropane	3.58	77	76	8.237	ug/l # 1
27) cis-1,2-Dichloroethene	3.58	96	76	6.960	ug/l 1
29) Tetrahydrofuran	4.09	42	277	206.594	ug/l # 38
31) Cyclohexane	3.70	56	89	5.933	ug/l # 13
32) 1,1,1-Trichloroethane	4.12	97	123	8.277	ug/l # 22
37) Ethyl Acetate	4.12	43	177	55.997	ug/l # 5
40) Benzene	4.68	78	83	4.717	ug/l # 52
41) Methacrylonitrile	4.73	41	140	83.239	ug/l # 1
43) Isopropyl Acetate	7.00	43	108	27.224	ug/l # 51
45) 1,2-Dichloropropane	6.13	63	66	14.292	ug/l # 44
47) Bromodichloromethane	6.27	83	70	9.214	ug/l # 24
48) Methyl methacrylate	6.71	41	83	31.157	ug/l # 39

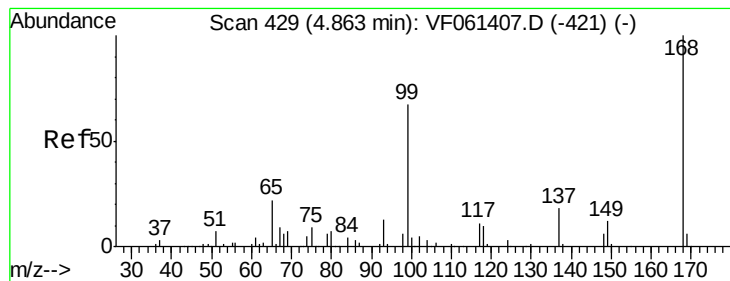
Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF020719\
Data File : VF061550.D
Acq On : 7 Feb 2019 17:42
Operator : VA/AP
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Quant Time: Feb 09 04:35:50 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
Quant Title : SW846 8260
QLast Update : Wed Jan 16 04:51:59 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) 1,4-Dioxane	6.94	88	69	3912.797	ug/l #	1
51) 4-Methyl-2-Pentanone	8.25	43	111	38.060	ug/l #	39
52) Toluene	7.66	92	59	5.092	ug/l #	1
54) cis-1,3-Dichloropropene	7.14	75	88	11.670	ug/l #	28
55) 1,1,2-Trichloroethane	8.33	97	71	21.578	ug/l #	14
57) 1,3-Dichloropropane	8.89	76	74	11.998	ug/l #	43
58) 2-Chloroethyl Vinyl ether	7.28	63	72	187.133	ug/l #	47
59) 2-Hexanone	9.39	43	181	89.000	ug/l	94

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.88 min Scan# 431

Delta R.T. 0.01 min

Lab File: VF061550.D

Acq: 7 Feb 2019 17:42

Instrument :

MSVOA_F

ClientSampleId :

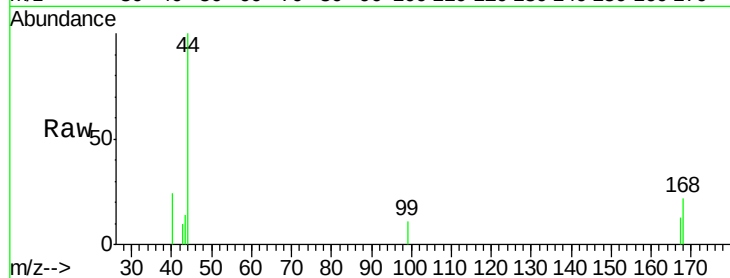
RBR-200052

Tot Ion:168 Resp: 756

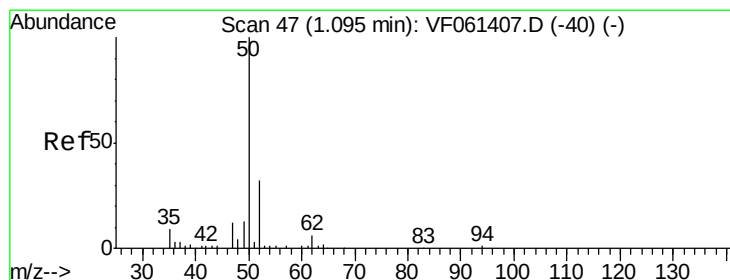
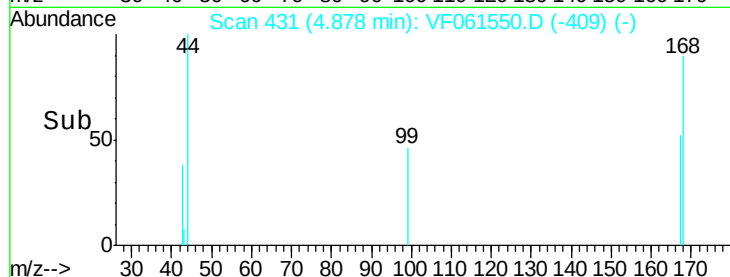
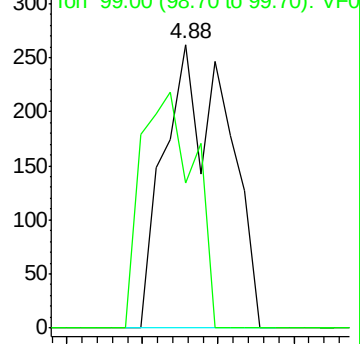
Ion Ratio Lower Upper

168 100

99 51.1 53.5 80.3#



Abundance Ion 168.00 (167.70 to 168.70): VF0



#3

Chloromethane

Concen: 6.151 ug/l

RT: 1.11 min Scan# 49

Delta R.T. 0.01 min

Lab File: VF061550.D

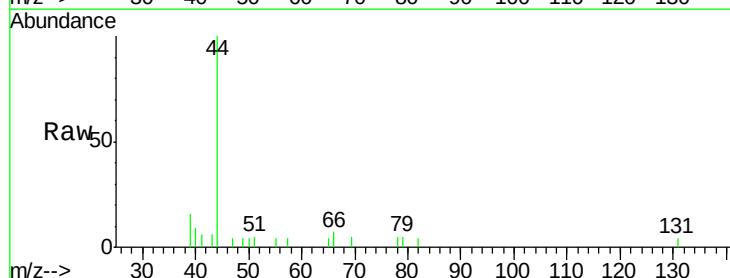
Acq: 7 Feb 2019 17:42

Tgt Ion: 50 Resp: 67

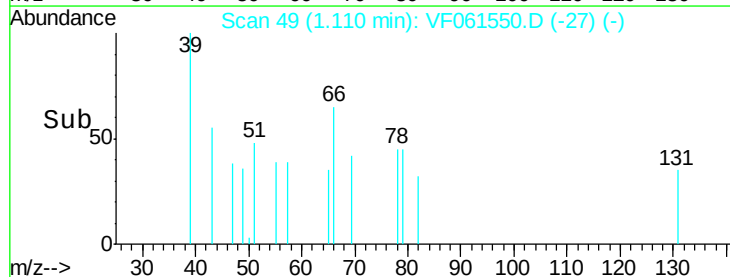
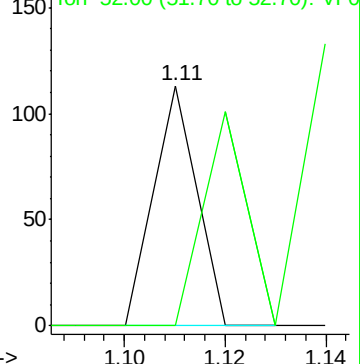
Ion Ratio Lower Upper

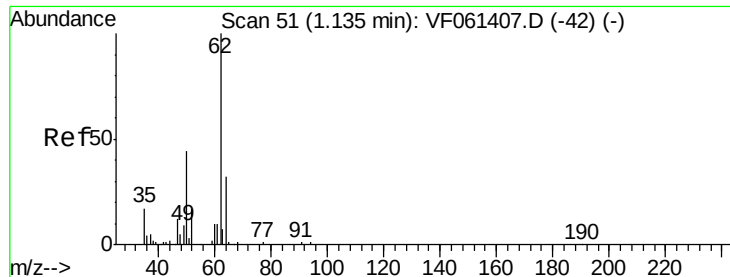
50 100

52 0.0 24.6 36.8#



Abundance Ion 50.00 (49.70 to 50.70): VF0





#4

Vinyl Chloride

Concen: 15.895 ug/l

RT: 1.13 min Scan# 51

Delta R.T. -0.00 min

Lab File: VF061550.D

Acq: 7 Feb 2019 17:42

Instrument :

MSVOA_F

ClientSampleId :

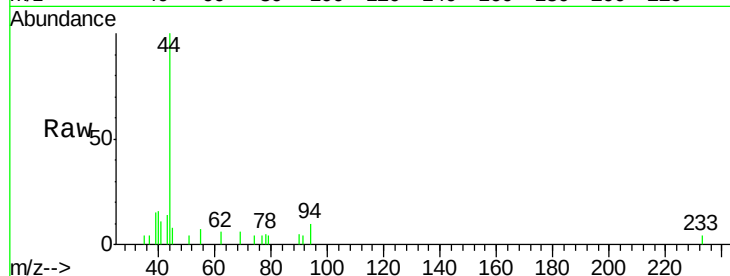
RBR-200052

Tot Ion: 62 Resp: 154

Ion Ratio Lower Upper

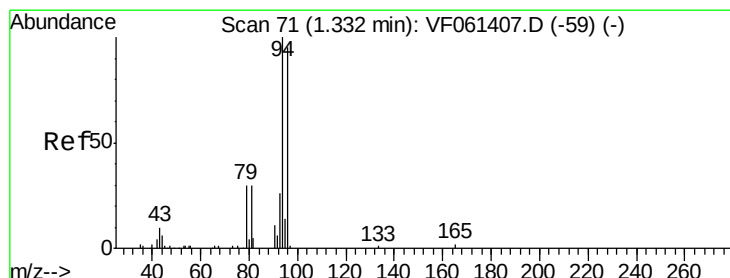
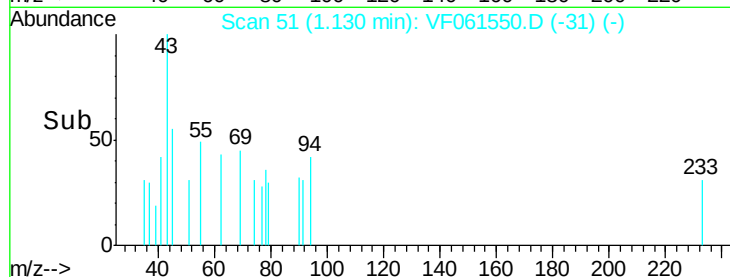
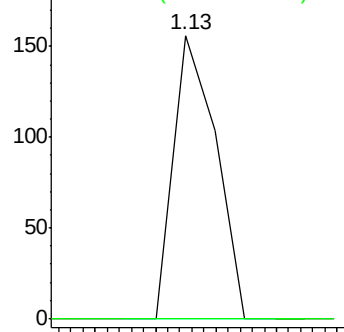
62 100

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



#5

Bromomethane

Concen: 66.477 ug/l

RT: 1.32 min Scan# 70

Delta R.T. -0.01 min

Lab File: VF061550.D

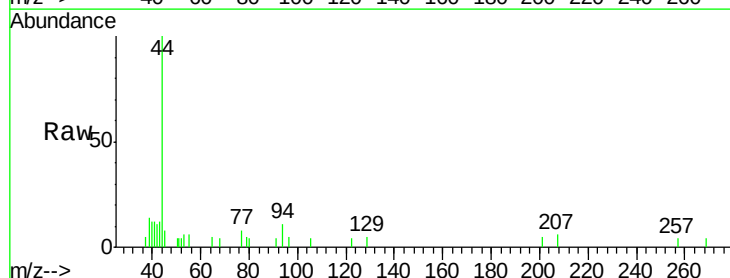
Acq: 7 Feb 2019 17:42

Tgt Ion: 94 Resp: 420

Ion Ratio Lower Upper

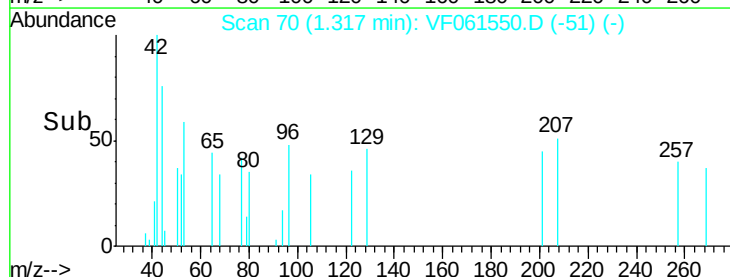
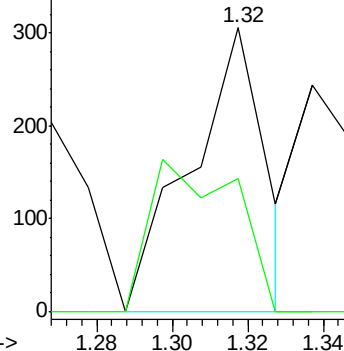
94 100

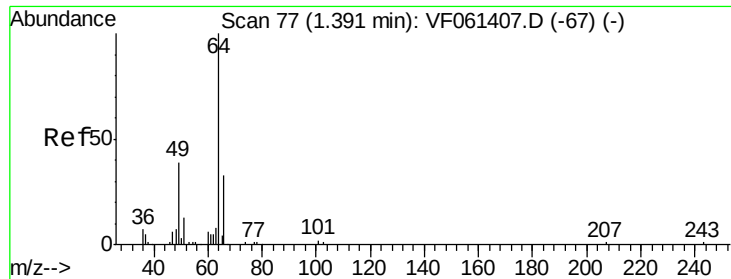
96 46.7 76.0 114.0#



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0





#6

Chloroethane

Concen: 14.908 ug/l

RT: 1.38 min Scan# 76

Delta R.T. -0.01 min

Lab File: VF061550.D

Acq: 7 Feb 2019 17:42

Instrument :

MSVOA_F

ClientSampleId :

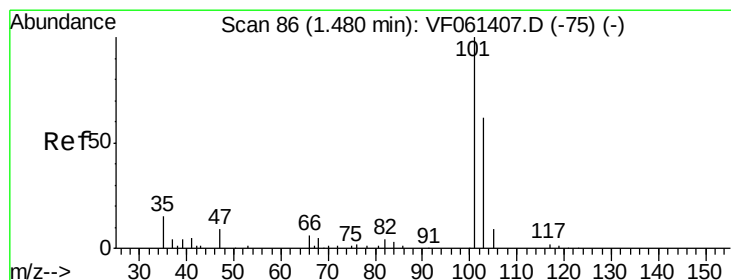
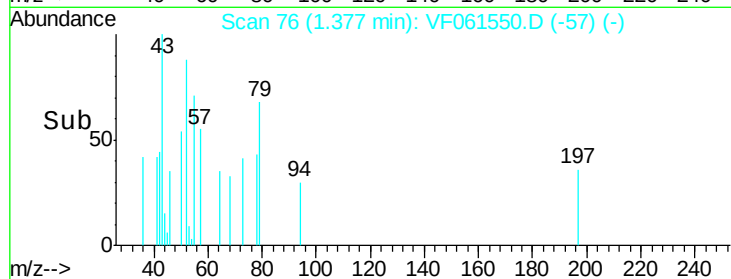
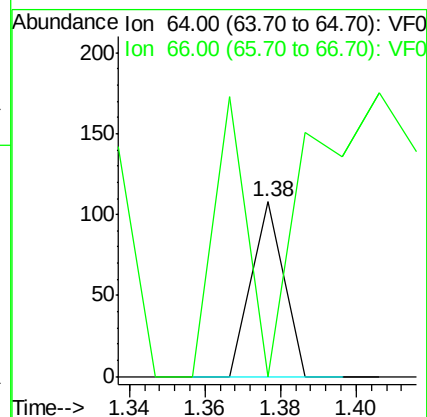
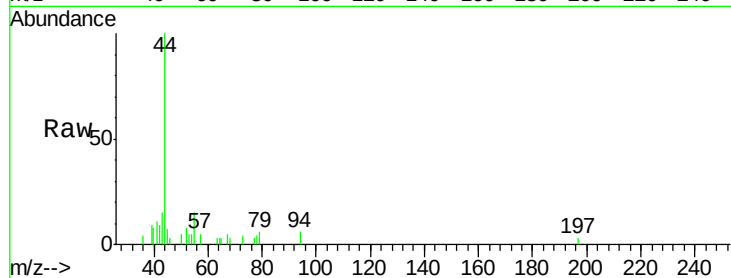
RBR-200052

Tot Ion: 64 Resp: 64

Ion Ratio Lower Upper

64 100

66 0.0 26.6 40.0#



#7

Trichlorofluoromethane

Concen: 3.345 ug/l

RT: 1.49 min Scan# 87

Delta R.T. 0.00 min

Lab File: VF061550.D

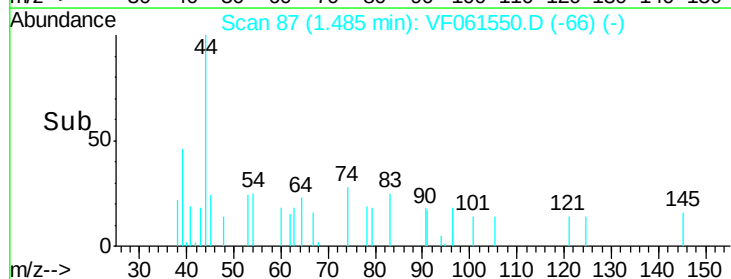
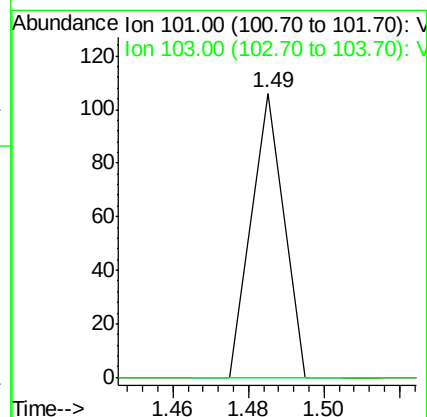
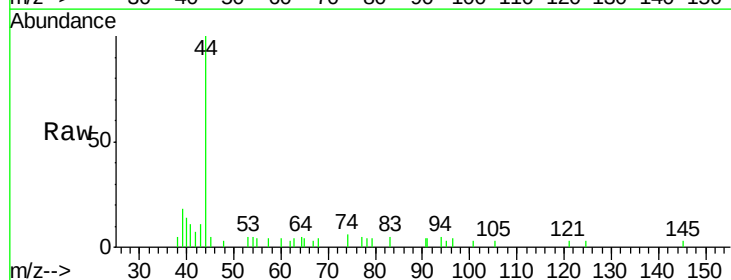
Acq: 7 Feb 2019 17:42

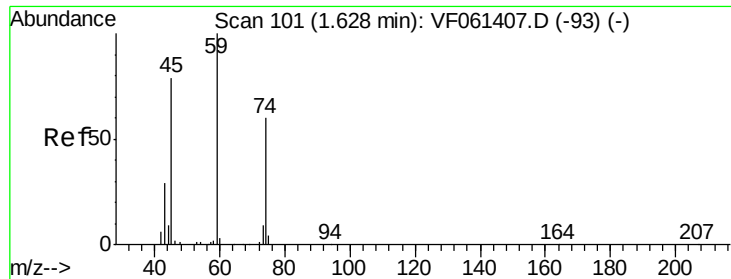
Tgt Ion: 101 Resp: 63

Ion Ratio Lower Upper

101 100

103 0.0 49.7 74.5#





#8

Diethyl Ether

Concen: 51.379 ug/l

RT: 1.49 min Scan# 87

Delta R.T. -0.14 min

Lab File: VF061550.D

Acq: 7 Feb 2019 17:42

Instrument :

MSVOA_F

ClientSampled :

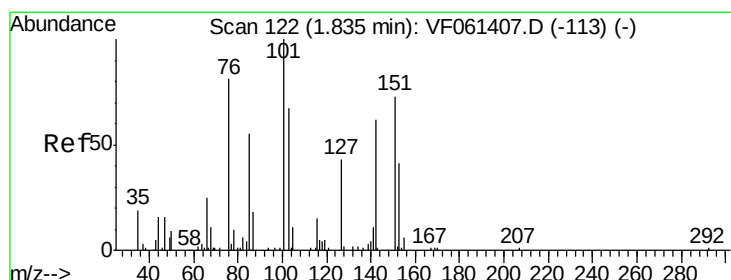
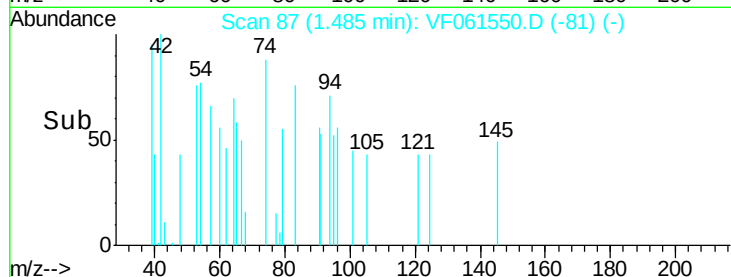
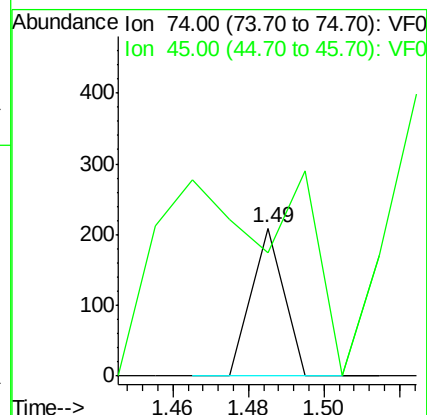
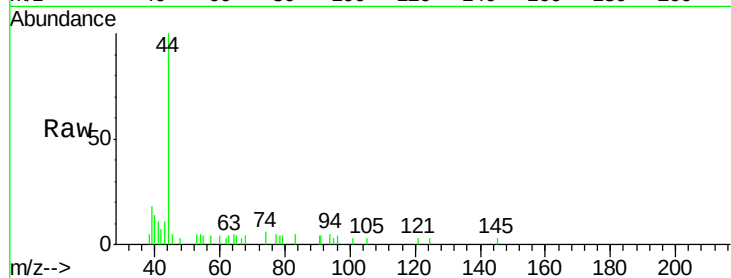
RBR-200052

Tot Ion: 74 Resp: 124

Ion Ratio Lower Upper

74 100

45 83.7 65.8 197.5



#9

1,1,2-Trichlorotrifluoroethane

Concen: 7.514 ug/l

RT: 1.90 min Scan# 129

Delta R.T. 0.06 min

Lab File: VF061550.D

Acq: 7 Feb 2019 17:42

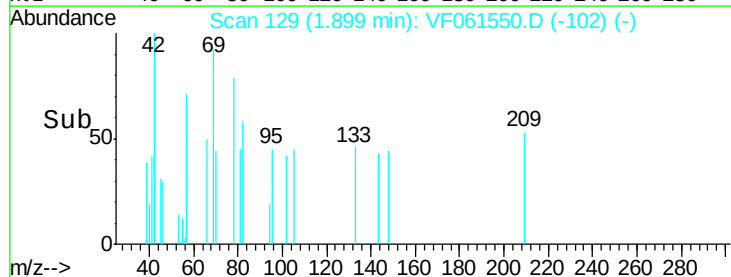
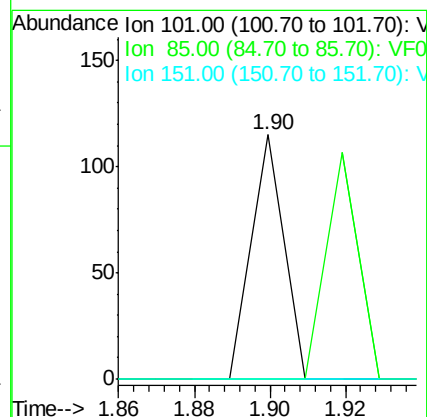
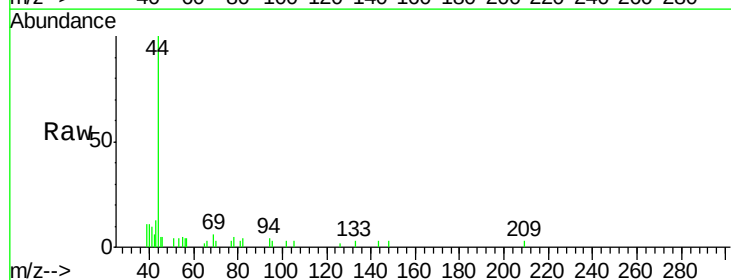
Tgt Ion: 101 Resp: 68

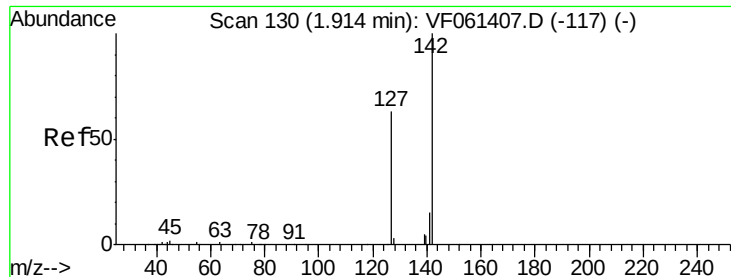
Ion Ratio Lower Upper

101 100

85 0.0 41.9 62.9#

151 0.0 55.1 82.7#

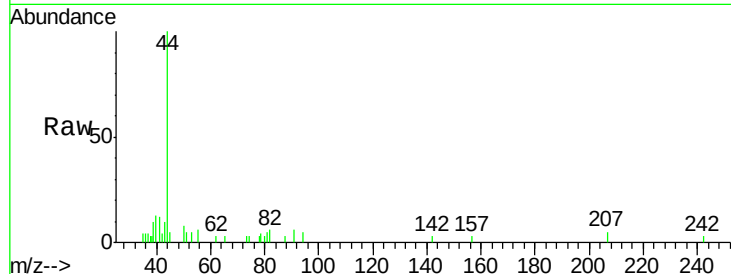




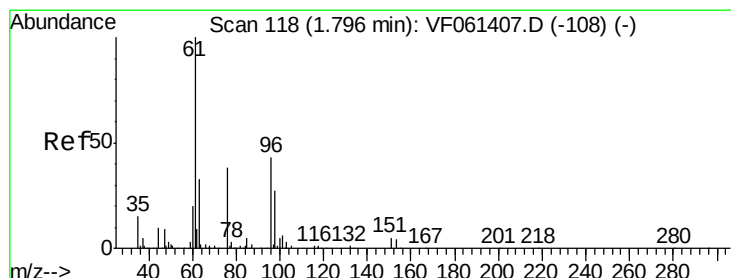
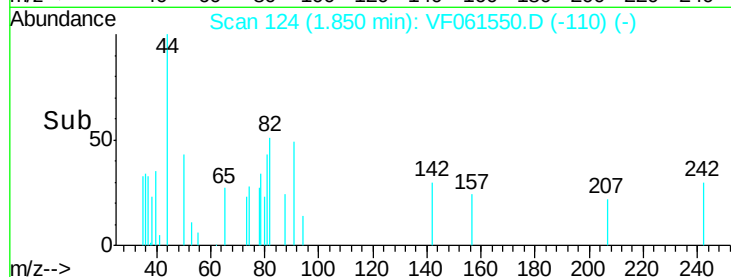
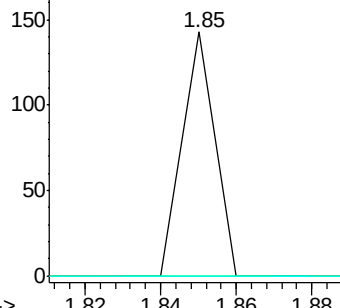
#10
Methyl Iodide
Concen: 6.058 ug/l
RT: 1.85 min Scan# 124
Delta R.T. -0.06 min
Lab File: VF061550.D
Acq: 7 Feb 2019 17:42

Instrument :
MSVOA_F
ClientSampled :
RBR-200052

Tot Ion:142 Resp: 85
Ion Ratio Lower Upper
142 100
127 0.0 50.7 76.1#
141 0.0 11.8 17.6#

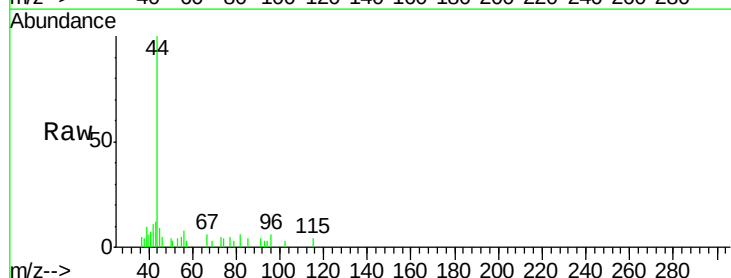


Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V

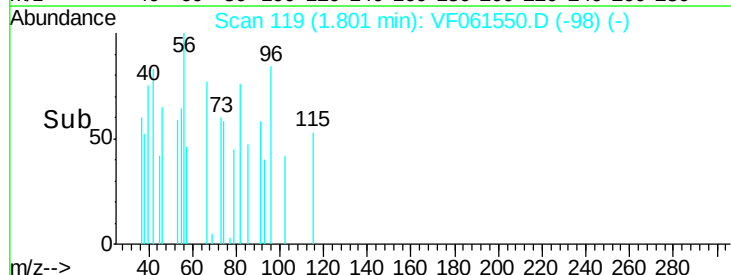
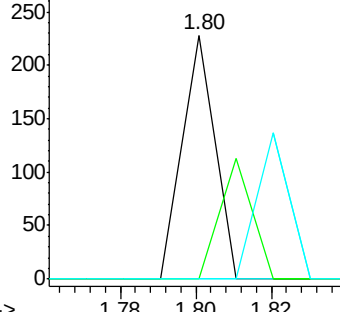


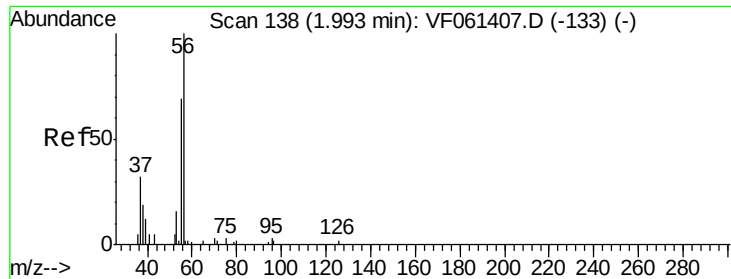
#12
1,1-Dichloroethene
Concen: 20.078 ug/l
RT: 1.80 min Scan# 119
Delta R.T. 0.00 min
Lab File: VF061550.D
Acq: 7 Feb 2019 17:42

Tgt Ion: 96 Resp: 135
Ion Ratio Lower Upper
96 100
61 0.0 186.9 280.3#
98 0.0 53.0 79.4#



Abundance Ion 96.00 (95.70 to 96.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 98.00 (97.70 to 98.70): VF0

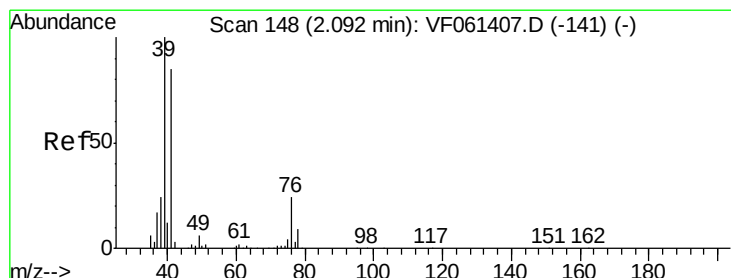
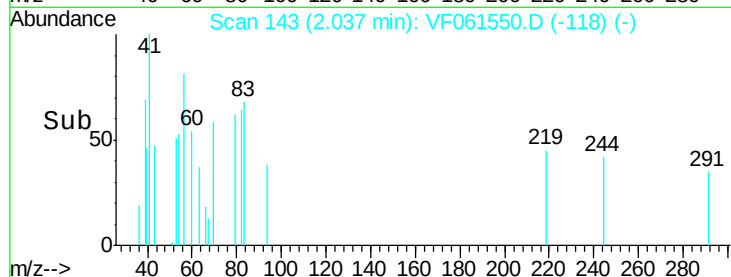
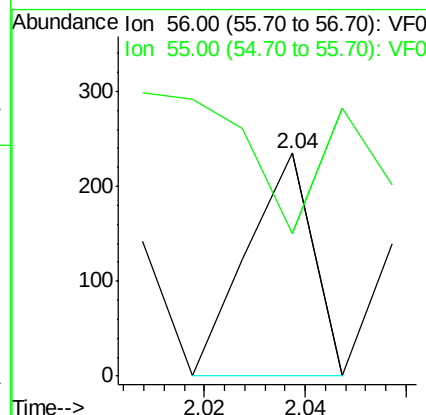
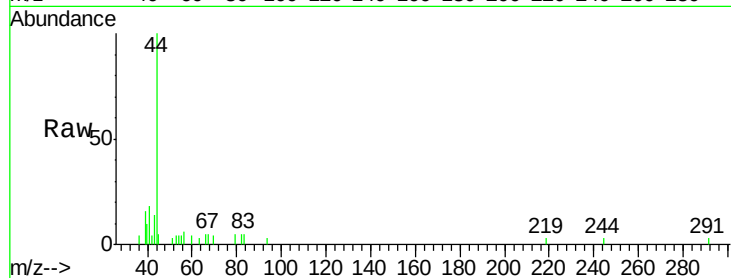




#13
Acrolein
Concen: 607.555 ug/l
RT: 2.04 min Scan# 143
Delta R.T. 0.05 min
Lab File: VF061550.D
Acq: 7 Feb 2019 17:42

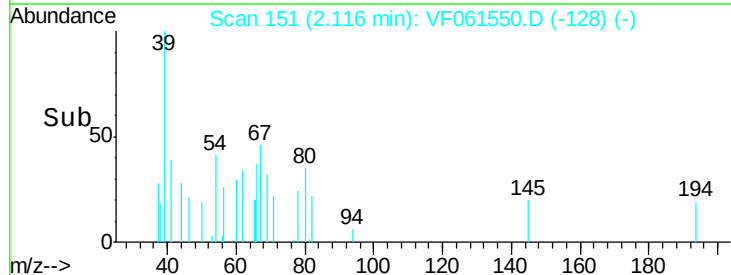
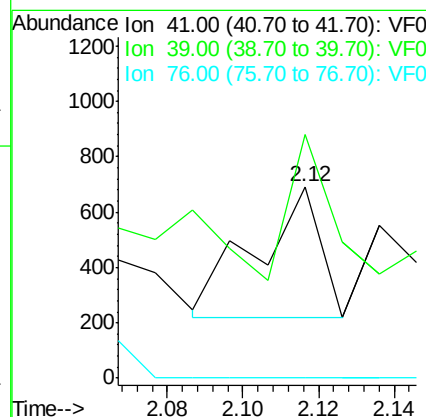
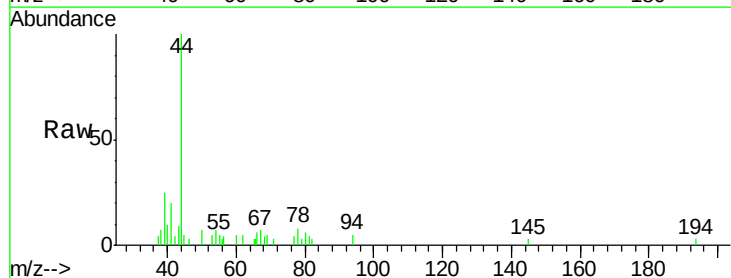
Instrument :
MSVOA_F
ClientSampleId :
RBR-200052

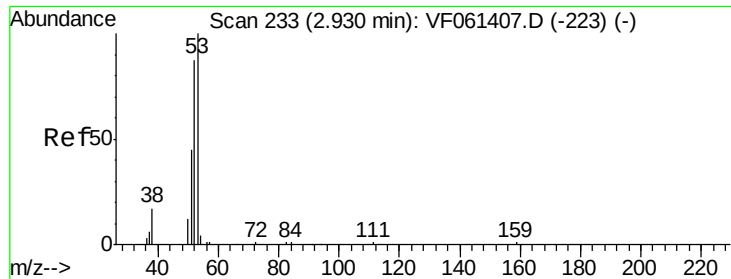
Tot Ion: 56 Resp: 212
Ion Ratio Lower Upper
56 100
55 63.8 57.5 86.3



#14
Allyl chloride
Concen: 72.733 ug/l
RT: 2.12 min Scan# 151
Delta R.T. 0.03 min
Lab File: VF061550.D
Acq: 7 Feb 2019 17:42

Tgt Ion: 41 Resp: 558
Ion Ratio Lower Upper
41 100
39 127.4 94.6 141.8
76 0.0 25.9 38.9#





#15

Acrylonitrile

Concen: 211.462 ug/l

RT: 2.93 min Scan# 233

Delta R.T. -0.00 min

Lab File: VF061550.D

Acq: 7 Feb 2019 17:42

Instrument :

MSVOA_F

ClientSampled :

RBR-200052

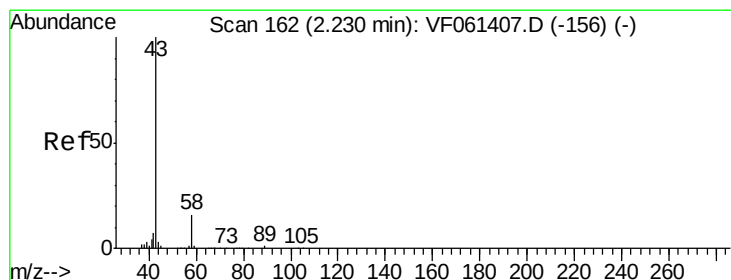
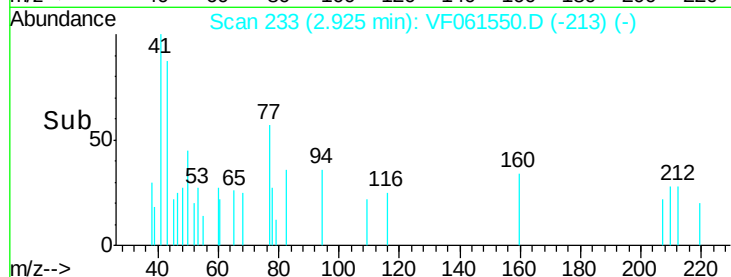
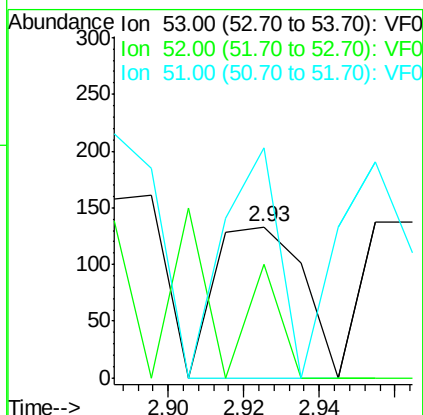
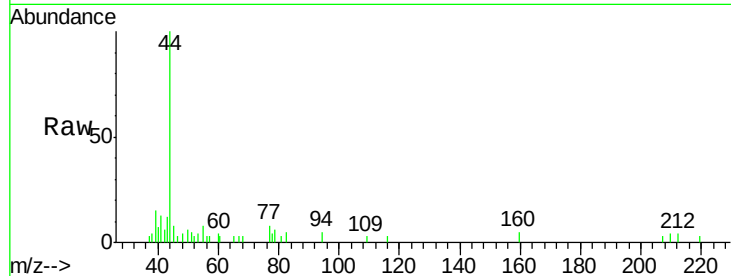
Tot Ion: 53 Resp: 214

Ion Ratio Lower Upper

53 100

52 75.2 69.6 104.4

51 152.6 36.8 55.2#



#16

Acetone

Concen: 359.953 ug/l

RT: 2.13 min Scan# 152

Delta R.T. -0.10 min

Lab File: VF061550.D

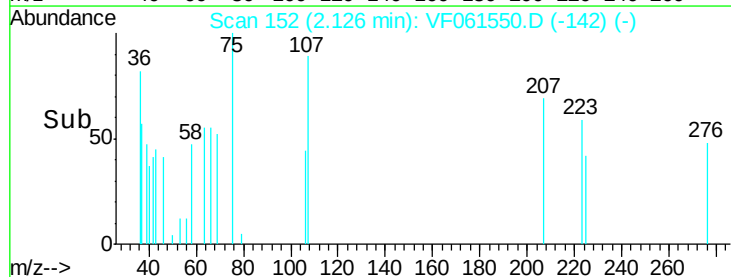
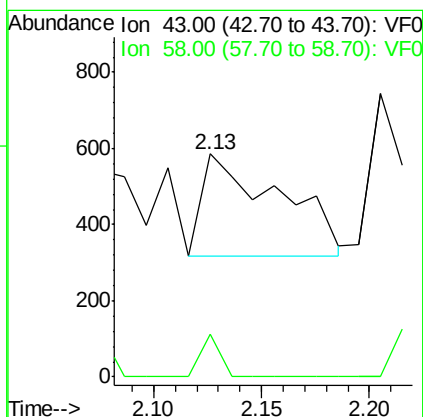
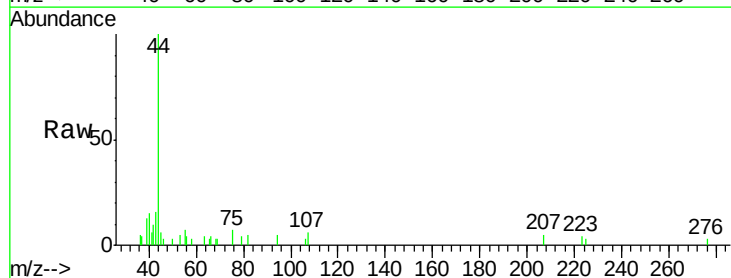
Acq: 7 Feb 2019 17:42

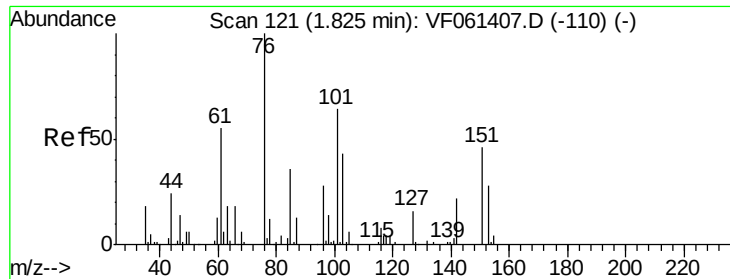
Tgt Ion: 43 Resp: 674

Ion Ratio Lower Upper

43 100

58 19.5 13.3 19.9





#17

Carbon Disulfide

Concen: 3.148 ug/l

RT: 1.81 min Scan# 120

Delta R.T. -0.01 min

Lab File: VF061550.D

Acq: 7 Feb 2019 17:42

Instrument :

MSVOA_F

ClientSampleId :

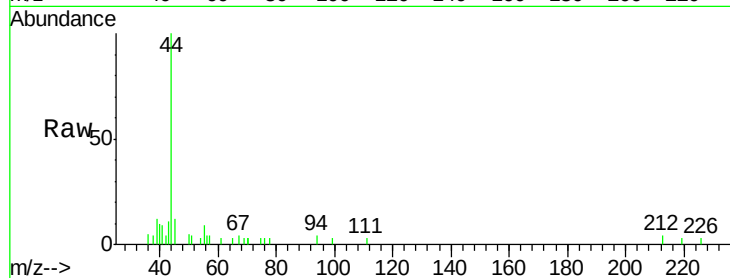
RBR-200052

Tot Ion: 76 Resp: 66

Ion Ratio Lower Upper

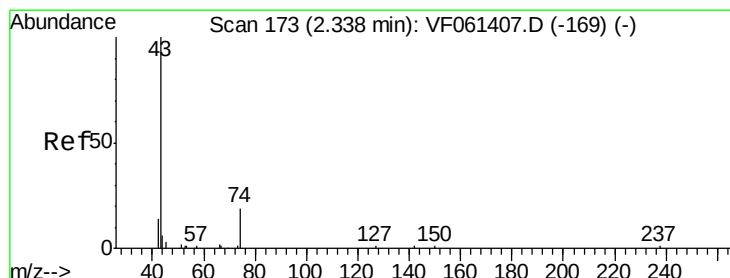
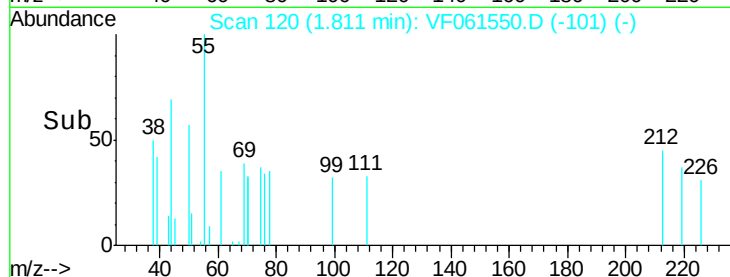
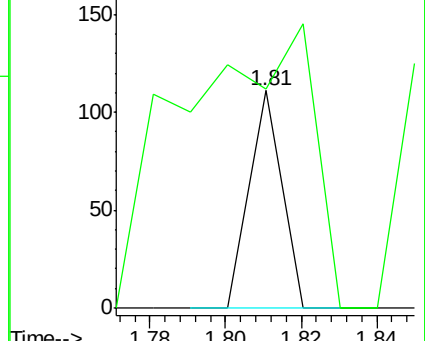
76 100

78 100.9 9.6 14.4#



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#18

Methyl Acetate

Concen: 261.755 ug/l

RT: 2.37 min Scan# 177

Delta R.T. 0.03 min

Lab File: VF061550.D

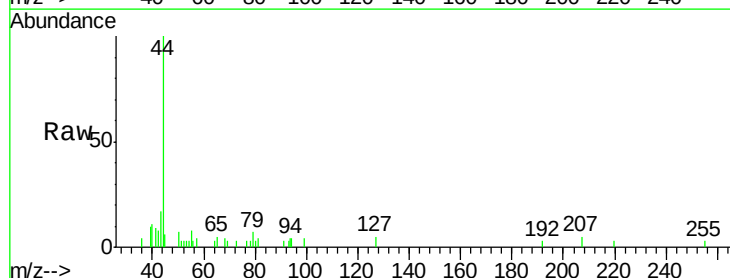
Acq: 7 Feb 2019 17:42

Tgt Ion: 43 Resp: 972

Ion Ratio Lower Upper

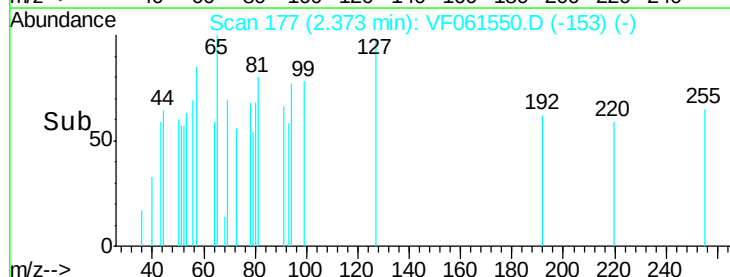
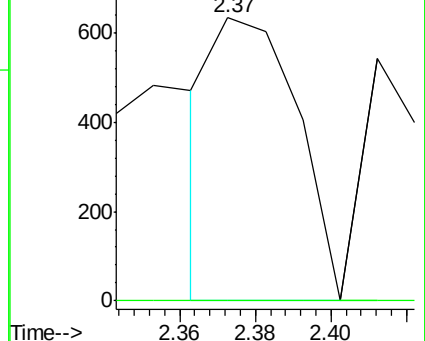
43 100

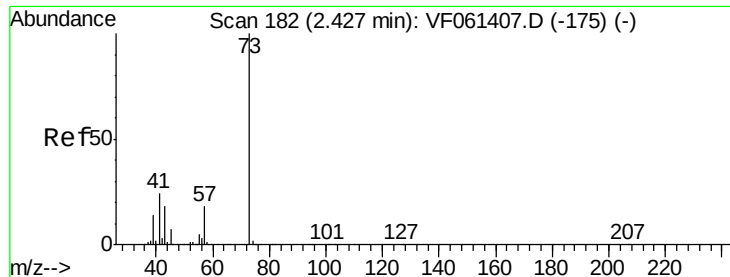
74 0.0 13.4 20.0#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0

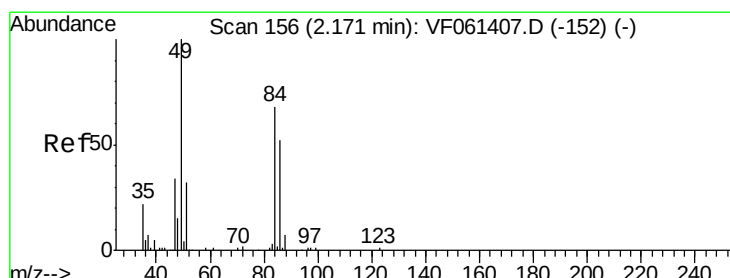
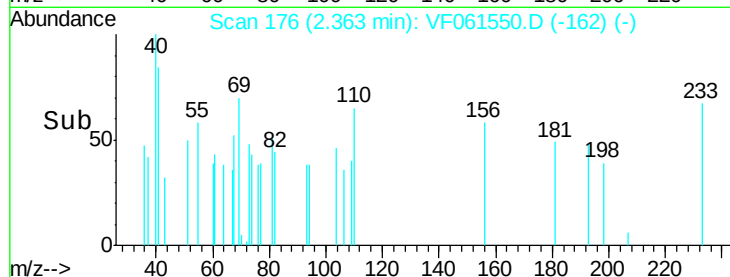
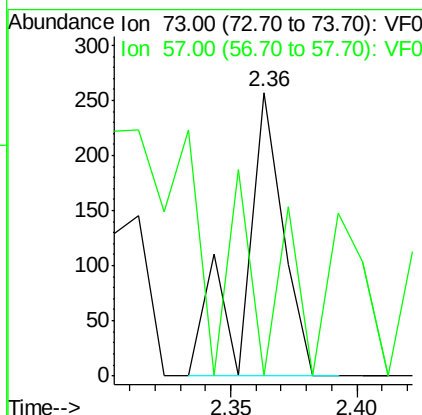
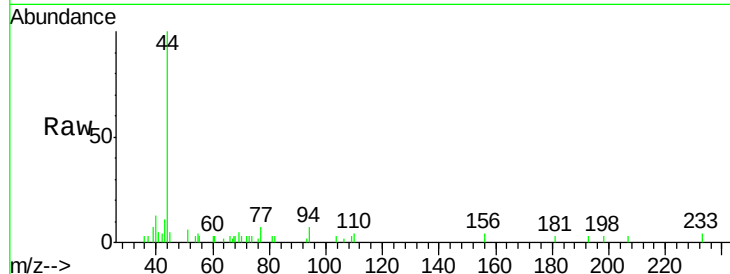




#19
Methyl tert-butyl Ether
Concen: 18.444 ug/l
RT: 2.36 min Scan# 176
Delta R.T. -0.06 min
Lab File: VF061550.D
Acq: 7 Feb 2019 17:42

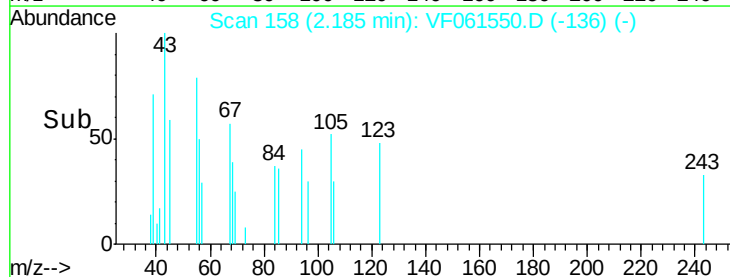
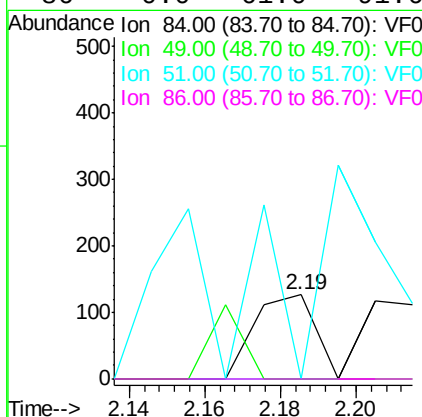
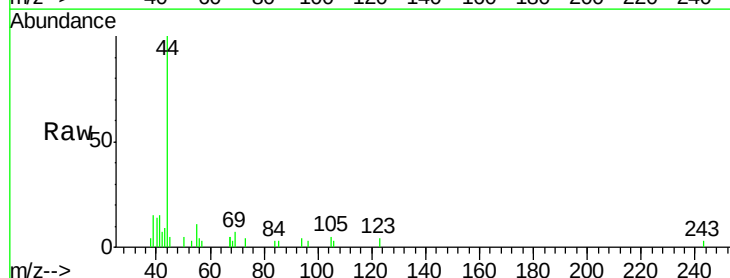
Instrument :
MSVOA_F
ClientSampleId :
RBR-200052

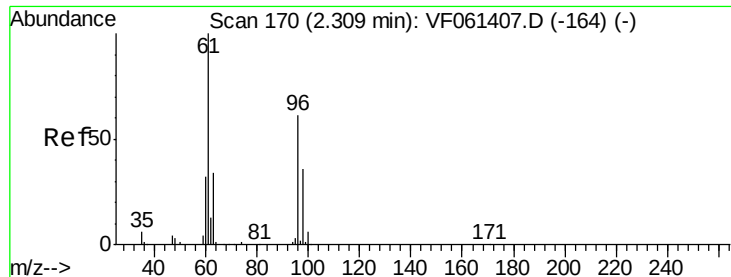
Tot Ion: 73 Resp: 278
Ion Ratio Lower Upper
73 100
57 0.0 14.8 22.2#



#20
Methylene Chloride
Concen: 21.007 ug/l
RT: 2.19 min Scan# 158
Delta R.T. 0.02 min
Lab File: VF061550.D
Acq: 7 Feb 2019 17:42

Tgt Ion: 84 Resp: 140
Ion Ratio Lower Upper
84 100
49 0.0 120.0 180.0#
51 0.0 38.6 58.0#
86 0.0 61.0 91.6#





#21

trans-1,2-Dichloroethene

Concen: 9.462 ug/l

RT: 2.31 min Scan# 171

Delta R.T. 0.00 min

Lab File: VF061550.D

Acq: 7 Feb 2019 17:42

Instrument :

MSVOA_F

ClientSampleId :

RBR-200052

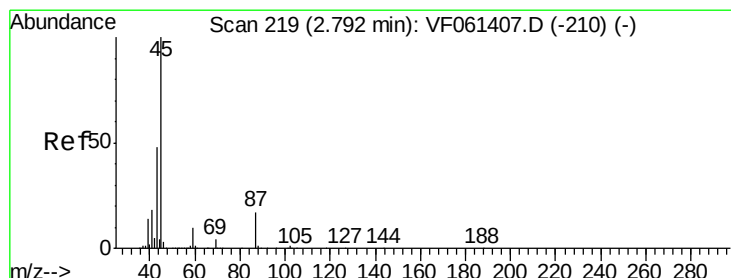
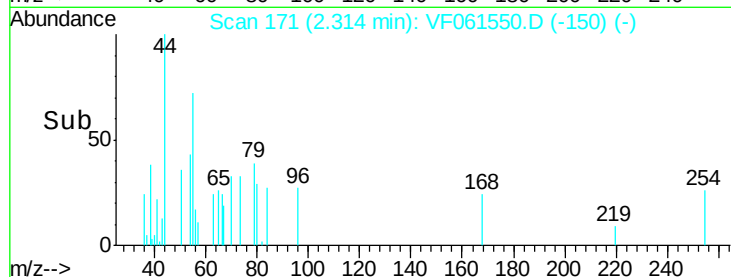
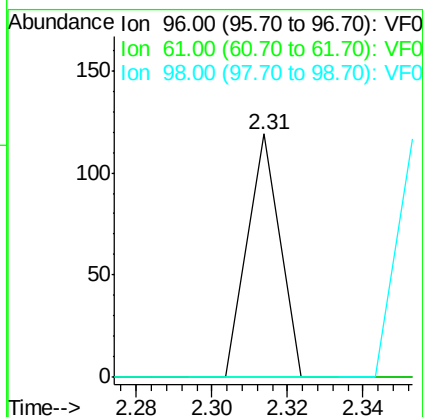
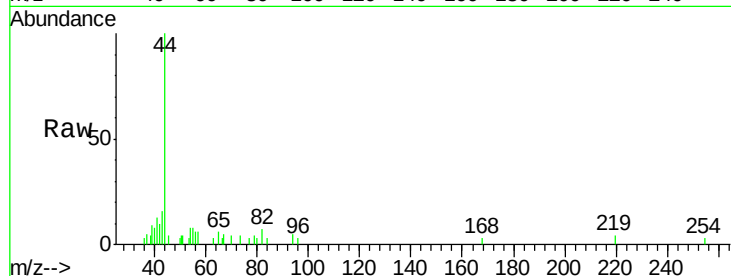
Tot Ion: 96 Resp: 70

Ion Ratio Lower Upper

96 100

61 0.0 131.8 197.8#

98 0.0 47.4 71.0#



#22

Diisopropyl ether

Concen: 19.141 ug/l

RT: 2.79 min Scan# 219

Delta R.T. -0.00 min

Lab File: VF061550.D

Acq: 7 Feb 2019 17:42

Tgt Ion: 45 Resp: 458

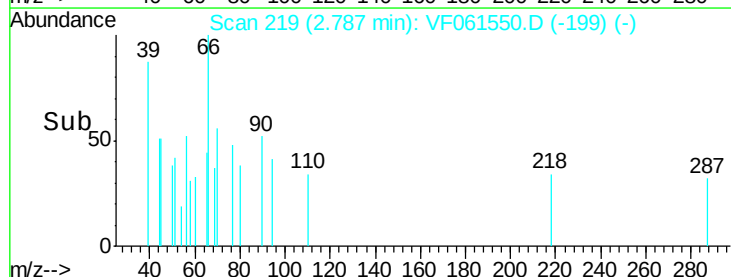
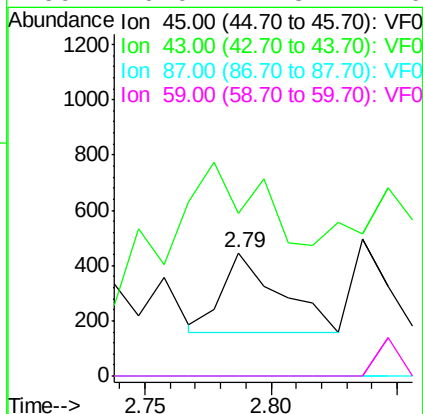
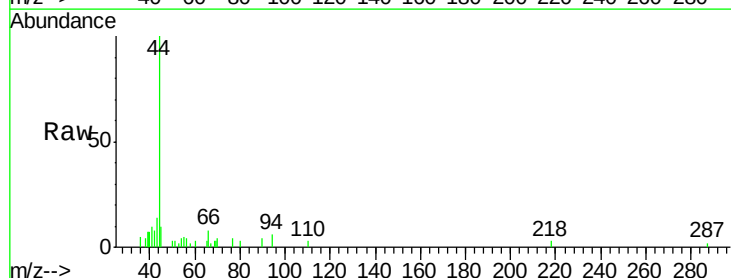
Ion Ratio Lower Upper

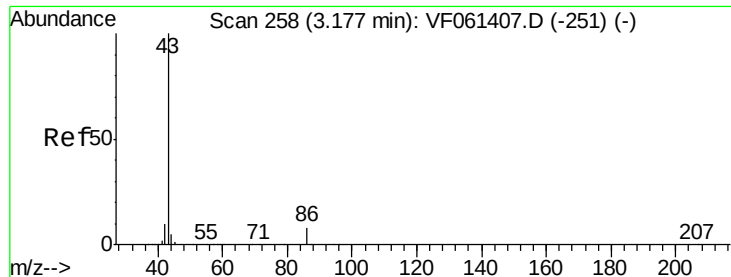
45 100

43 131.8 39.0 58.6#

87 0.0 13.9 20.9#

59 0.0 7.8 11.6#





#23

Vinyl Acetate

Concen: 82.831 ug/l

RT: 3.22 min Scan# 263

Delta R.T. 0.05 min

Lab File: VF061550.D

Acq: 7 Feb 2019 17:42

Instrument :

MSVOA_F

ClientSampleId :

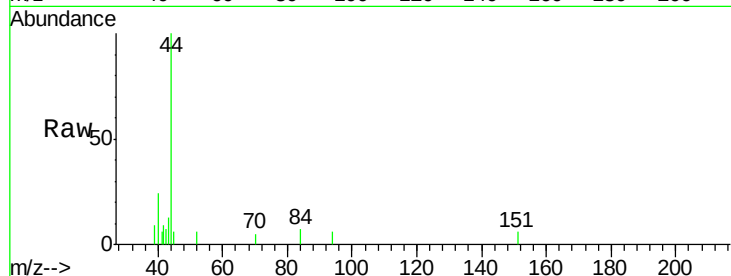
RBR-200052

Tot Ion: 43 Resp: 849

Ion Ratio Lower Upper

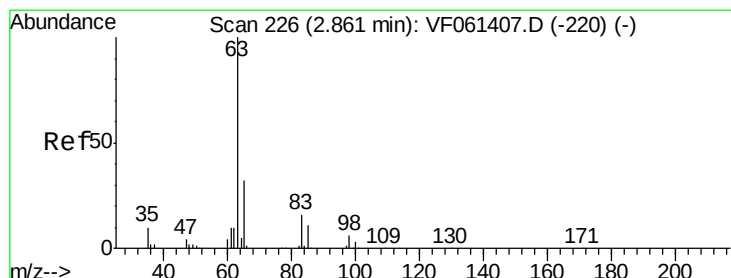
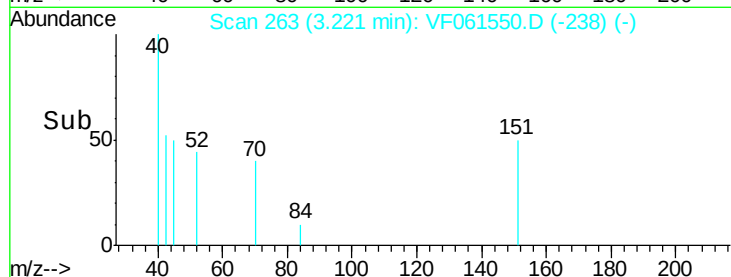
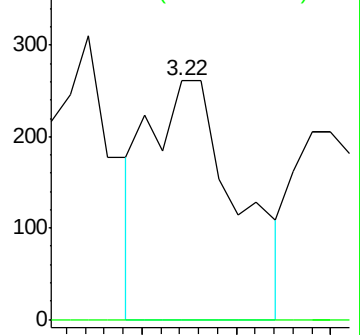
43 100

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: 13.118 ug/l

RT: 2.90 min Scan# 230

Delta R.T. 0.03 min

Lab File: VF061550.D

Acq: 7 Feb 2019 17:42

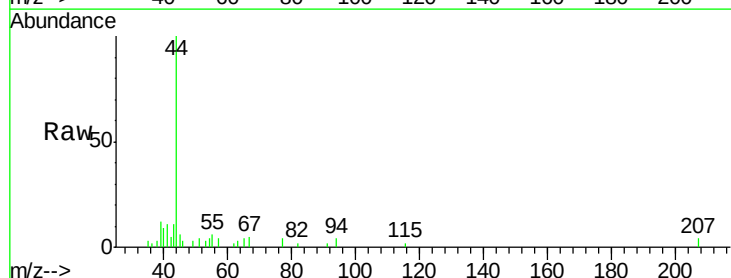
Tgt Ion: 63 Resp: 197

Ion Ratio Lower Upper

63 100

98 0.0 2.9 8.8#

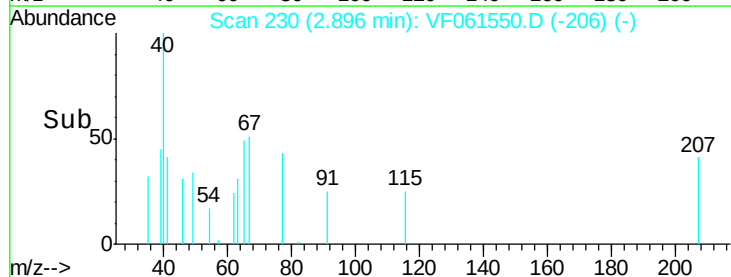
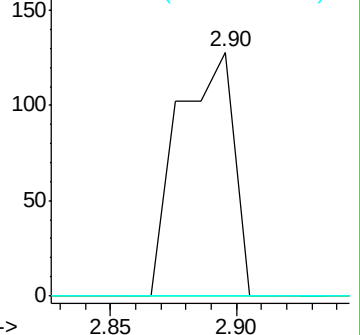
100 0.0 1.6 4.8#

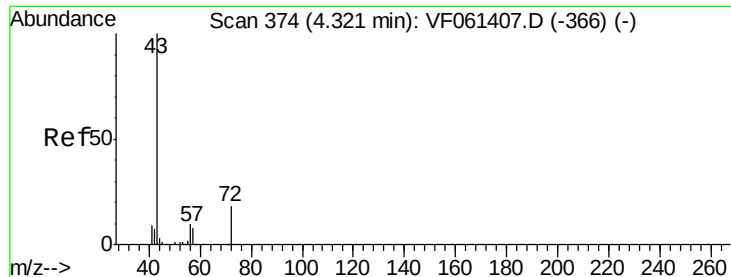


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 342.664 ug/l

RT: 4.39 min Scan# 381

Delta R.T. 0.06 min

Lab File: VF061550.D

Acq: 7 Feb 2019 17:42

Instrument :

MSVOA_F

ClientSampled :

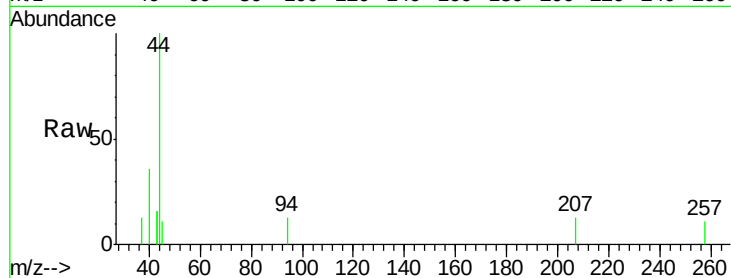
RBR-200052

Tot Ion: 43 Resp: 1067

Ion Ratio Lower Upper

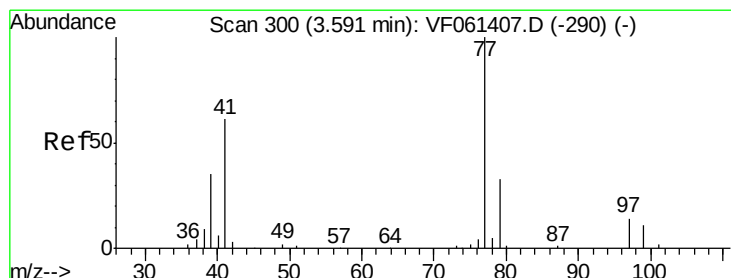
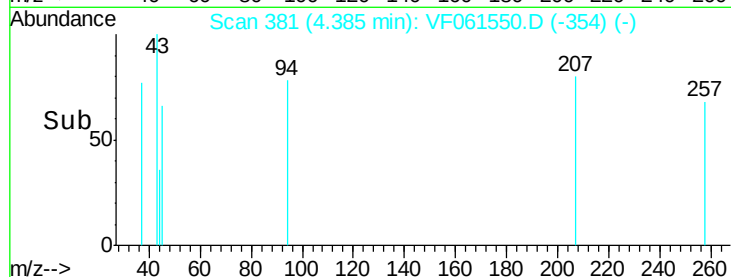
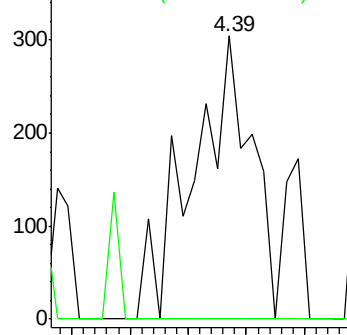
43 100

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



#26

2,2-Dichloropropane

Concen: 8.237 ug/l

RT: 3.58 min Scan# 299

Delta R.T. -0.01 min

Lab File: VF061550.D

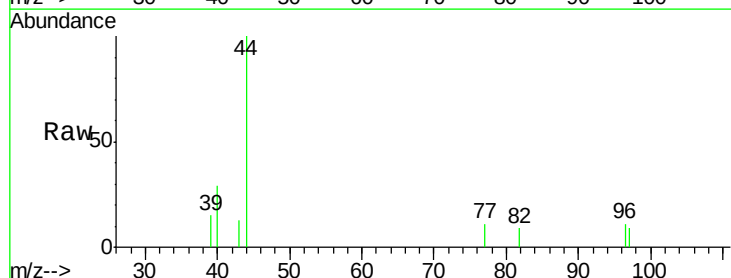
Acq: 7 Feb 2019 17:42

Tgt Ion: 77 Resp: 76

Ion Ratio Lower Upper

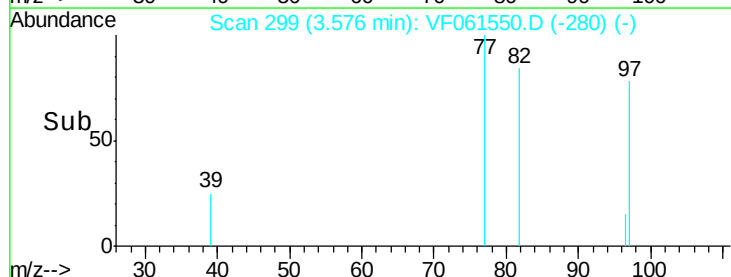
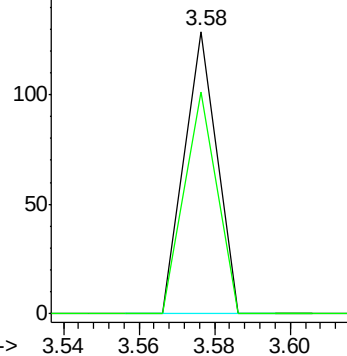
77 100

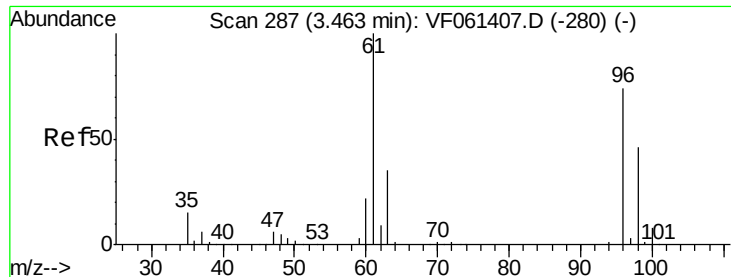
97 78.3 8.5 25.5#



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0



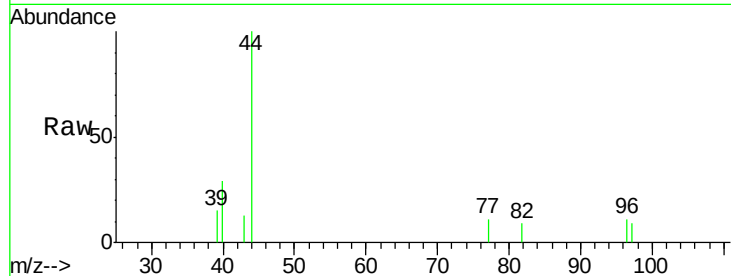


#27

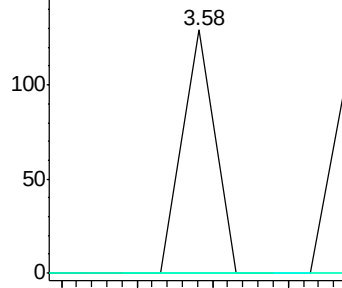
cis-1,2-Dichloroethene
Concen: 6.960 ug/l
RT: 3.58 min Scan# 299
Delta R.T. 0.11 min
Lab File: VF061550.D
Acq: 7 Feb 2019 17:42

Instrument :
MSVOA_F
ClientSampleId :
RBR-200052

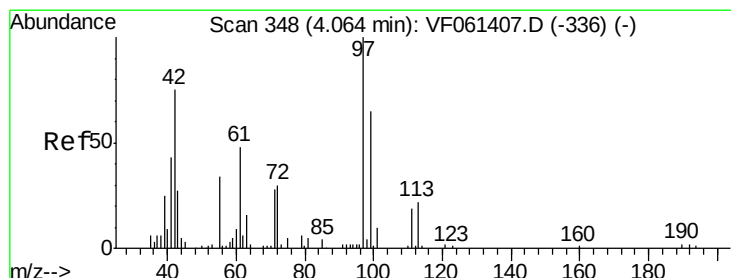
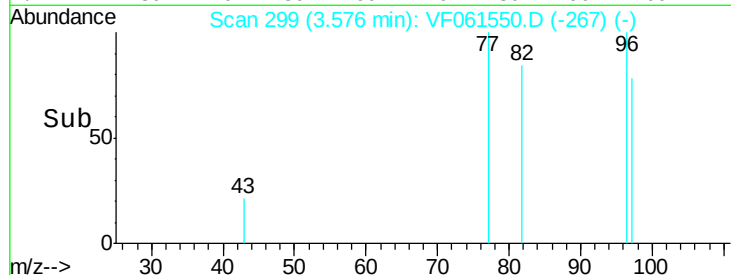
Tot Ion	Ratio	Lower	Upper
96	100		
61	0.0	0.0	270.2
98	0.0	0.0	124.0



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



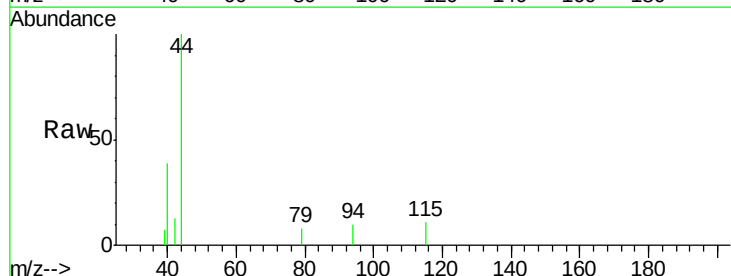
Time-->



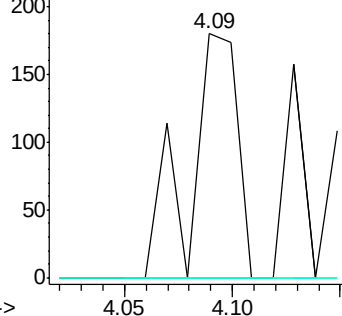
#29

Tetrahydrofuran
Concen: 206.594 ug/l
RT: 4.09 min Scan# 351
Delta R.T. 0.02 min
Lab File: VF061550.D
Acq: 7 Feb 2019 17:42

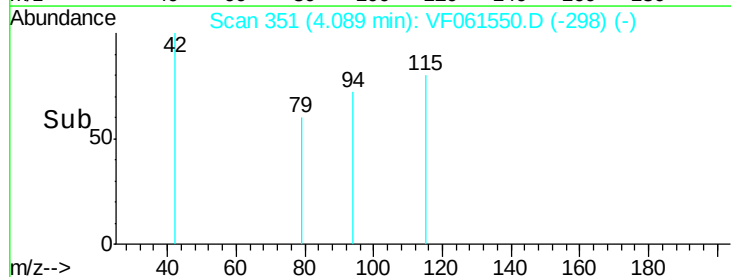
Tgt Ion	Ratio	Lower	Upper
42	100		
72	0.0	28.9	43.3#
71	0.0	29.6	44.4#

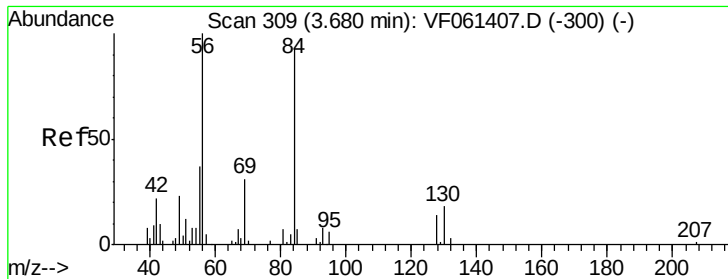


Abundance Ion 42.00 (41.70 to 42.70): VF0
Ion 72.00 (71.70 to 72.70): VF0
Ion 71.00 (70.70 to 71.70): VF0



Time-->





#31

Cyclohexane

Concen: 5.933 ug/l

RT: 3.70 min Scan# 312

Delta R.T. 0.02 min

Lab File: VF061550.D

Acq: 7 Feb 2019 17:42

Instrument :

MSVOA_F

ClientSampleId :

RBR-200052

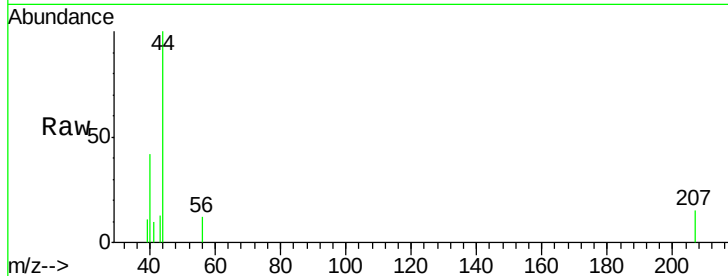
Tot Ion: 56 Resp: 89

Ion Ratio Lower Upper

56 100

69 0.0 24.6 36.8#

84 0.0 74.2 111.2#

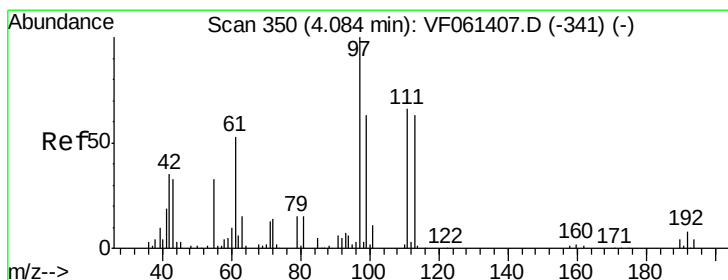
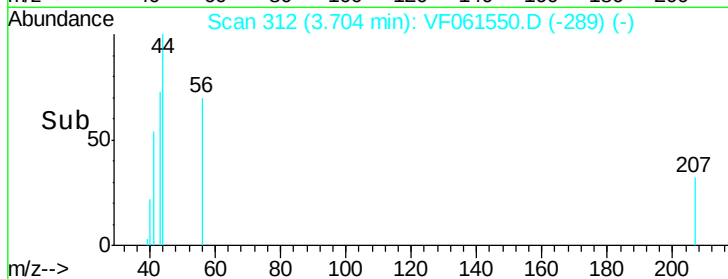
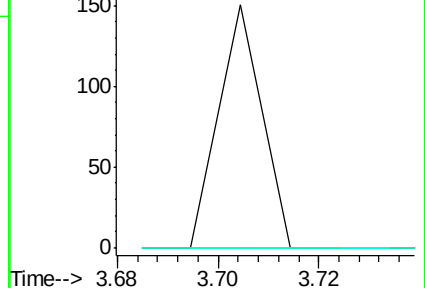


Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 84.00 (83.70 to 84.70): VF0

3.70



#32

1,1,1-Trichloroethane

Concen: 8.277 ug/l

RT: 4.12 min Scan# 354

Delta R.T. 0.03 min

Lab File: VF061550.D

Acq: 7 Feb 2019 17:42

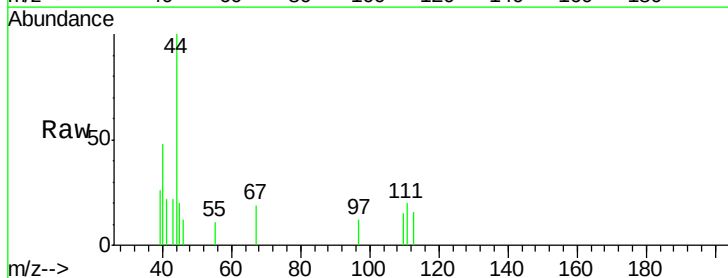
Tgt Ion: 97 Resp: 123

Ion Ratio Lower Upper

97 100

99 0.0 50.1 75.1#

61 0.0 43.1 64.7#

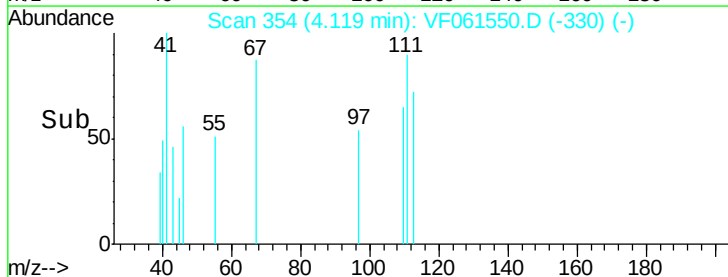
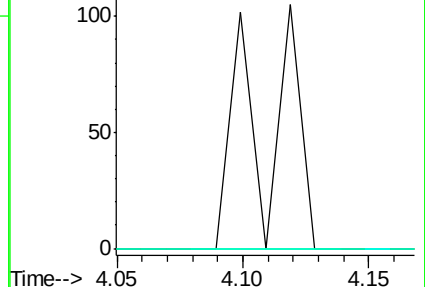


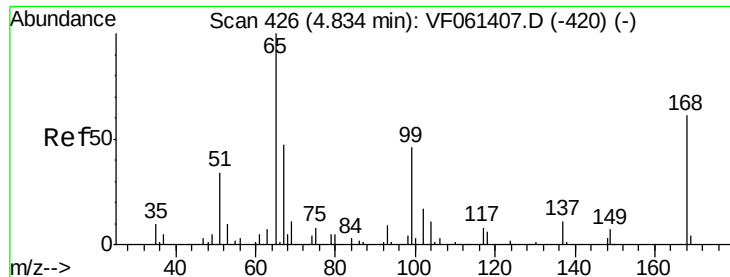
Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

4.12





#33

1,2-Dichloroethane-d4

Concen: 7.821 ug/l

RT: 4.83 min Scan# 426

Delta R.T. -0.00 min

Lab File: VF061550.D

Acq: 7 Feb 2019 17:42

Instrument :

MSVOA_F

ClientSampled :

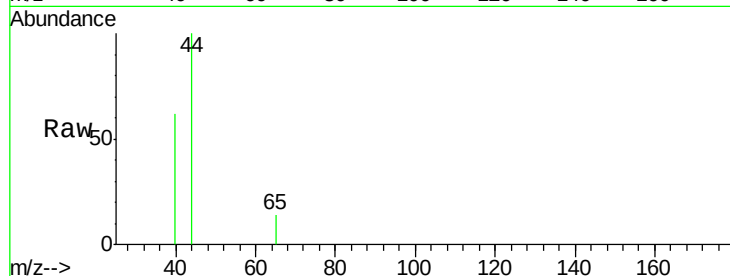
RBR-200052

Tot Ion: 65 Resp: 73

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

4.83

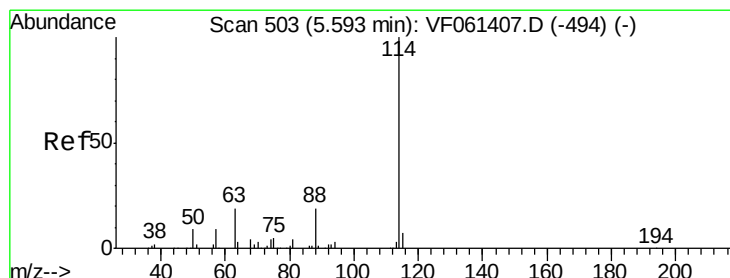
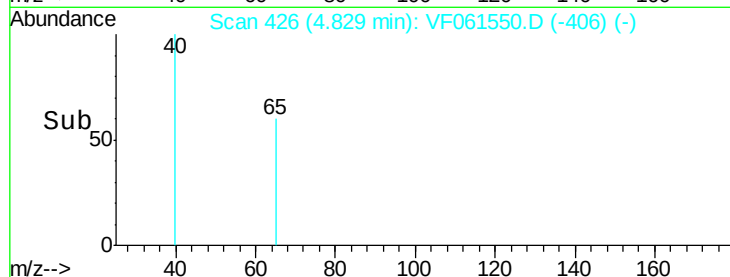
100

50

0

4.80 4.82 4.84 4.86

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.61 min Scan# 505

Delta R.T. 0.01 min

Lab File: VF061550.D

Acq: 7 Feb 2019 17:42

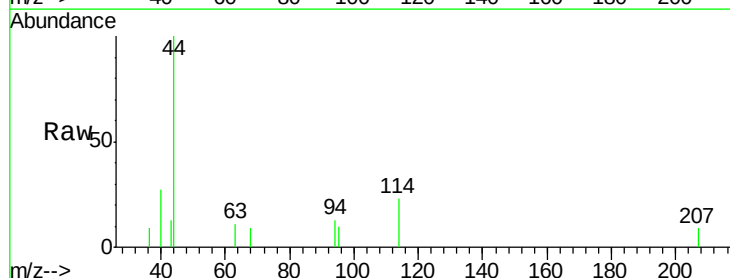
Tgt Ion: 114 Resp: 682

Ion Ratio Lower Upper

114 100

63 45.9 0.0 39.0#

88 0.0 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

300

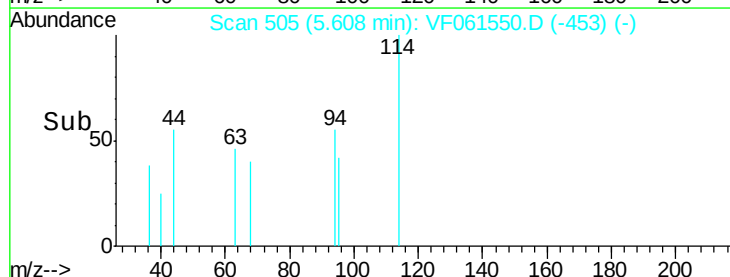
200

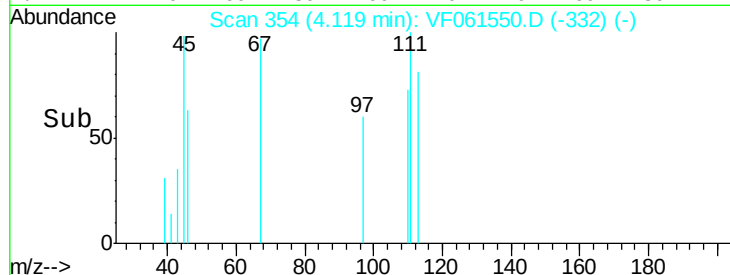
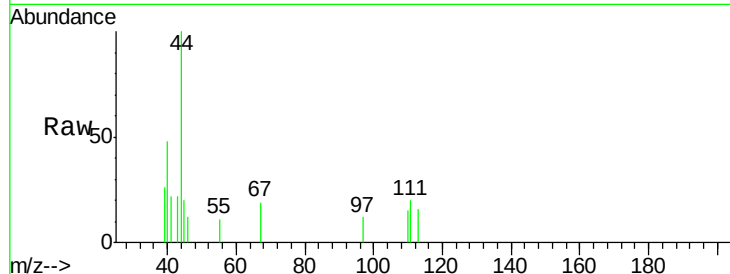
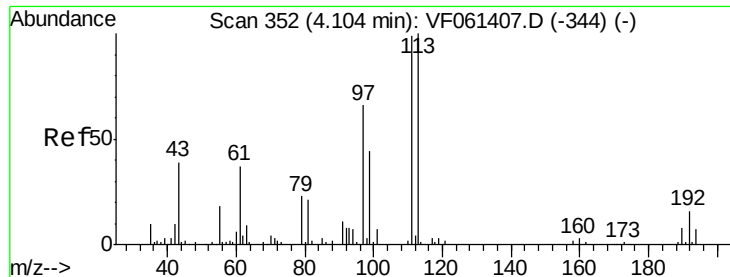
100

0

5.55 5.60 5.65

Time-->

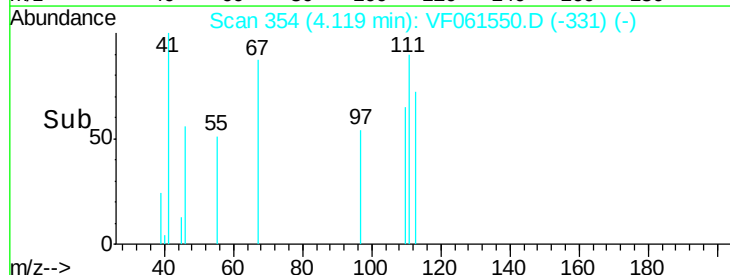
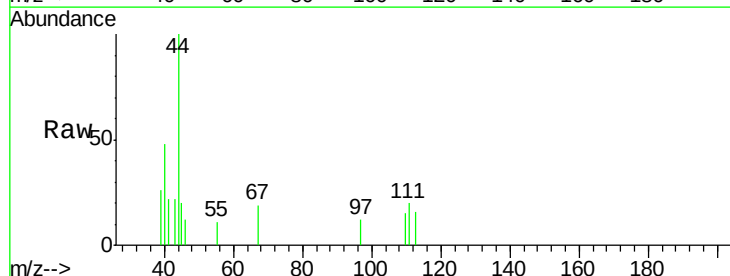
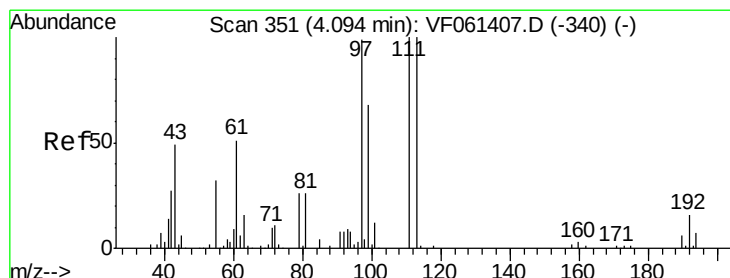
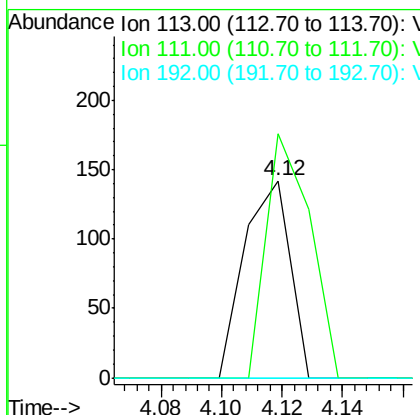




#35
Dibromofluoromethane
Concen: 27.687 ug/l
RT: 4.12 min Scan# 354
Delta R.T. 0.01 min
Lab File: VF061550.D
Acq: 7 Feb 2019 17:42

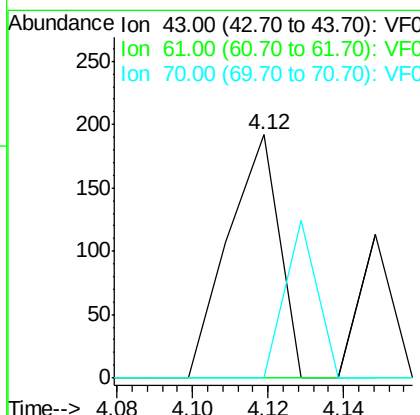
Instrument :
MSVOA_F
ClientSampleId :
RBR-200052

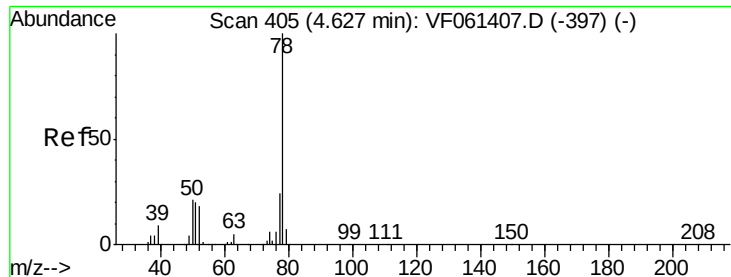
Tot Ion:113 Resp: 149
Ion Ratio Lower Upper
113 100
111 123.9 79.4 119.0#
192 0.0 12.4 18.6#



#37
Ethyl Acetate
Concen: 55.997 ug/l
RT: 4.12 min Scan# 354
Delta R.T. 0.02 min
Lab File: VF061550.D
Acq: 7 Feb 2019 17:42

Tgt Ion: 43 Resp: 177
Ion Ratio Lower Upper
43 100
61 0.0 81.7 122.5#
70 0.0 6.2 9.2#





#40

Benzene

Concen: 4.717 ug/l

RT: 4.68 min Scan# 411

Delta R.T. 0.05 min

Lab File: VF061550.D

Acq: 7 Feb 2019 17:42

Instrument :

MSVOA_F

ClientSampleId :

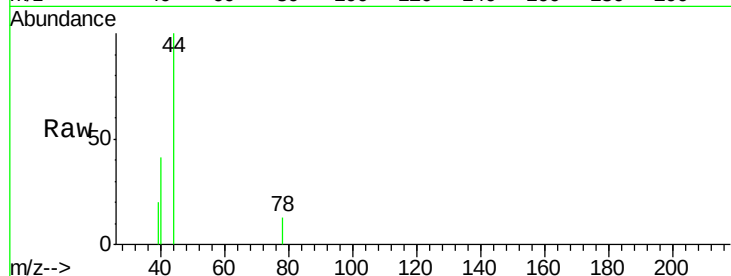
RBR-200052

Tot Ion: 78 Resp: 83

Ion Ratio Lower Upper

78 100

77 0.0 19.0 28.6#



Abundance Ion 78.10 (77.80 to 78.80): VF0

Ion 77.00 (76.70 to 77.70): VF0

4.68

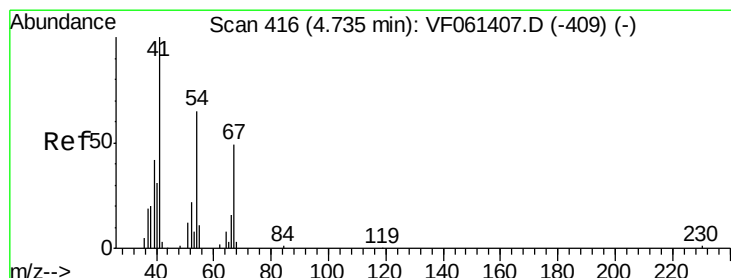
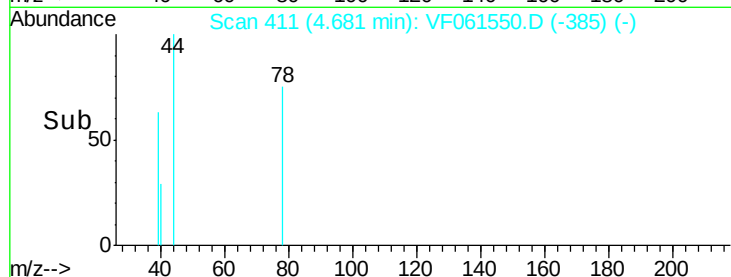
150

100

50

0

Time-->



#41

Methacrylonitrile

Concen: 83.239 ug/l

RT: 4.73 min Scan# 416

Delta R.T. -0.00 min

Lab File: VF061550.D

Acq: 7 Feb 2019 17:42

Tgt Ion: 41 Resp: 140

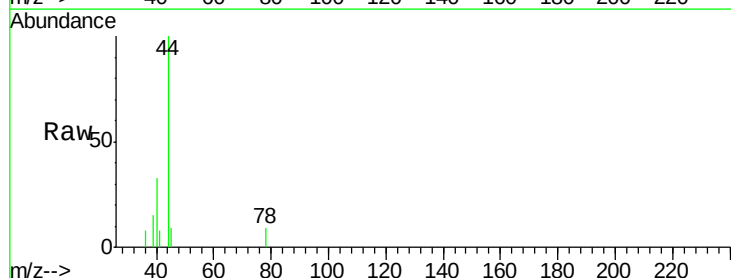
Ion Ratio Lower Upper

41 100

39 190.8 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

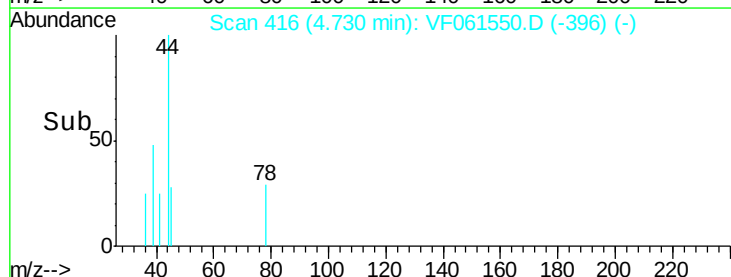
300

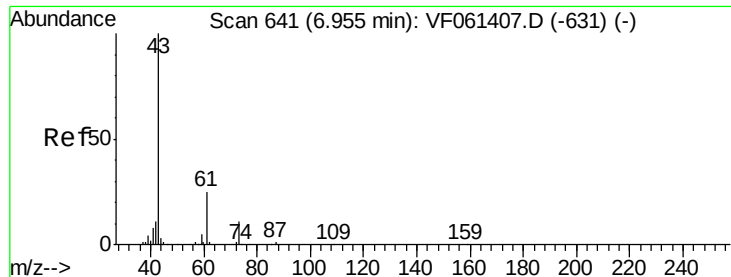
200

100

0

Time-->





#43

Isopropyl Acetate

Concen: 27.224 ug/l

RT: 7.00 min Scan# 646

Delta R.T. 0.04 min

Lab File: VF061550.D

Acq: 7 Feb 2019 17:42

Instrument :

MSVOA_F

ClientSampleId :

RBR-200052

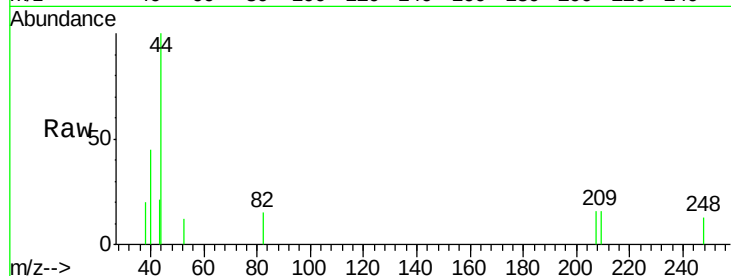
Tot Ion: 43 Resp: 108

Ion Ratio Lower Upper

43 100

61 0.0 20.3 30.5#

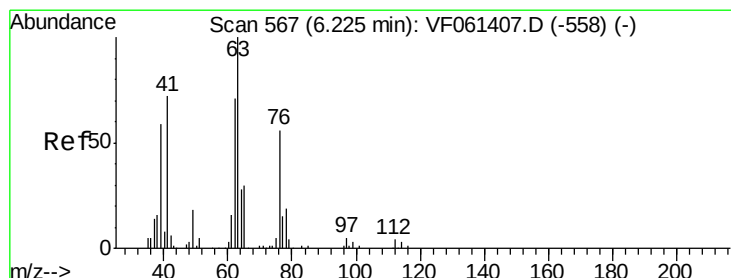
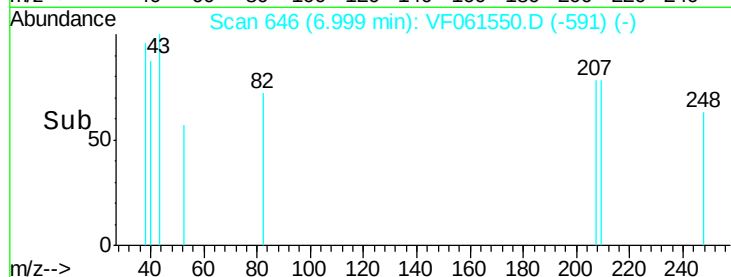
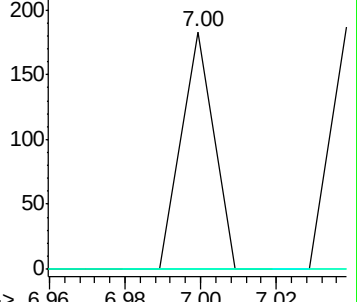
87 0.0 0.5 0.7#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0



#45

1,2-Dichloropropane

Concen: 14.292 ug/l

RT: 6.13 min Scan# 558

Delta R.T. -0.09 min

Lab File: VF061550.D

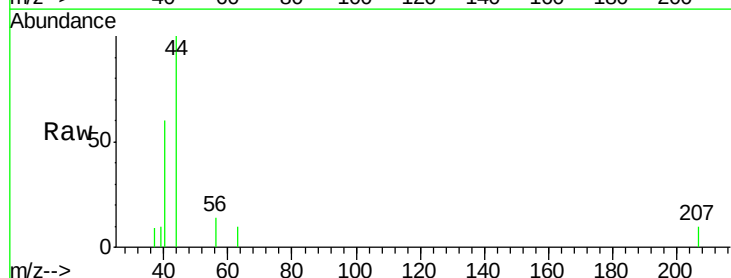
Acq: 7 Feb 2019 17:42

Tgt Ion: 63 Resp: 66

Ion Ratio Lower Upper

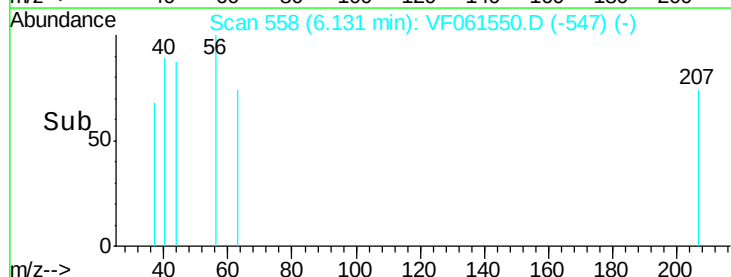
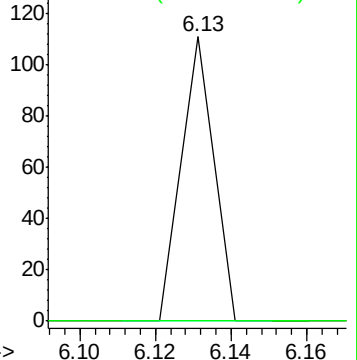
63 100

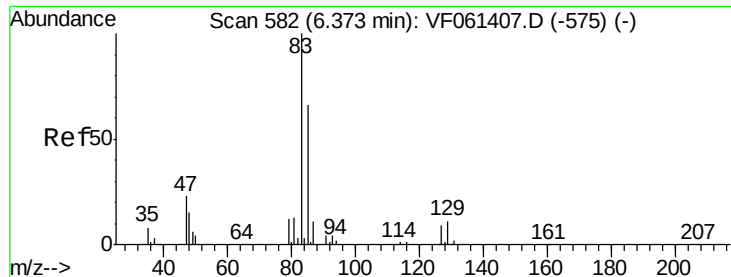
65 0.0 24.4 36.6#



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0





#47

Bromodichloromethane

Concen: 9.214 ug/l

RT: 6.27 min Scan# 572

Delta R.T. -0.10 min

Lab File: VF061550.D

Acq: 7 Feb 2019 17:42

Instrument :

MSVOA_F

ClientSampleId :

RBR-200052

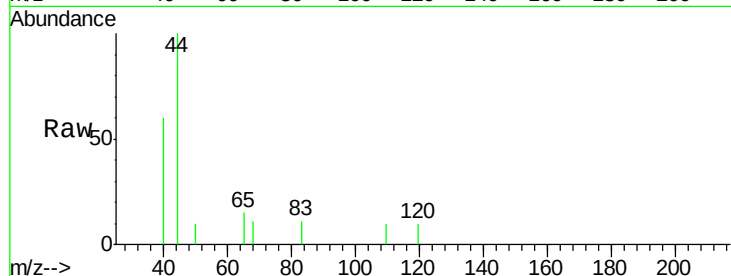
Tot Ion: 83 Resp: 70

Ion Ratio Lower Upper

83 100

85 0.0 53.0 79.4#

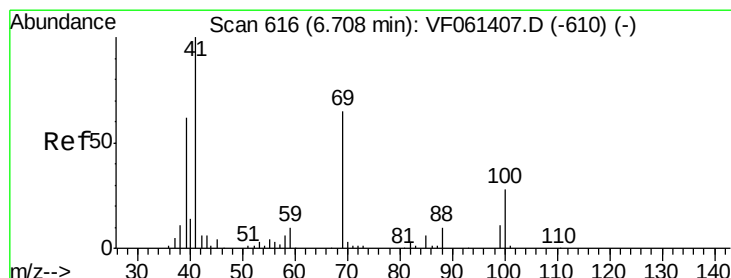
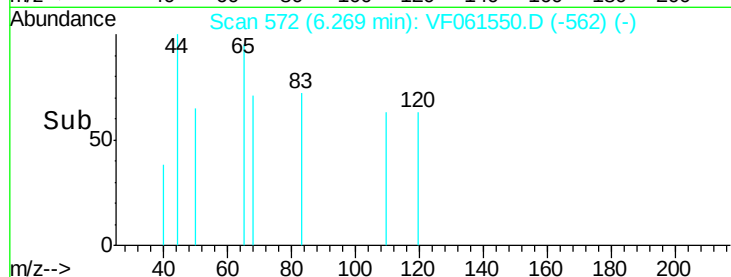
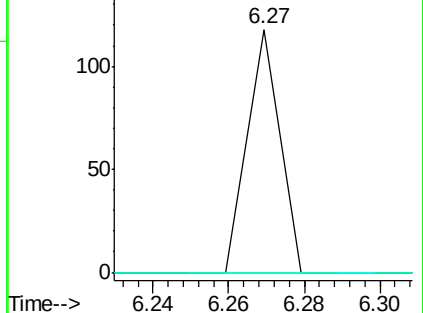
127 0.0 6.9 10.3#



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 31.157 ug/l

RT: 6.71 min Scan# 617

Delta R.T. 0.00 min

Lab File: VF061550.D

Acq: 7 Feb 2019 17:42

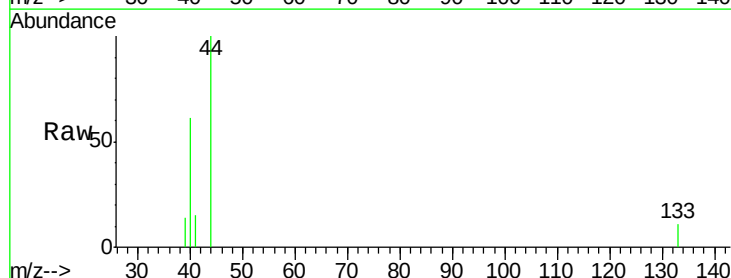
Tgt Ion: 41 Resp: 83

Ion Ratio Lower Upper

41 100

69 0.0 51.7 77.5#

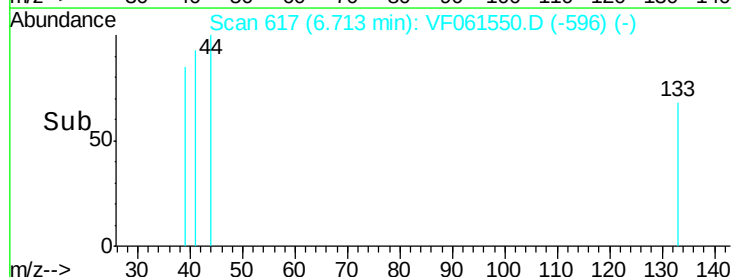
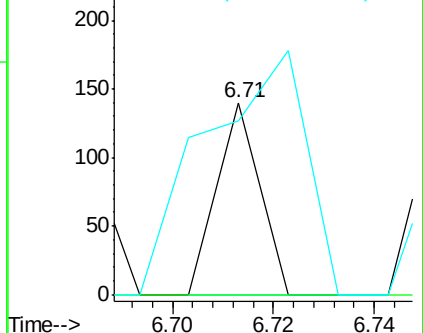
39 90.7 49.2 73.8#

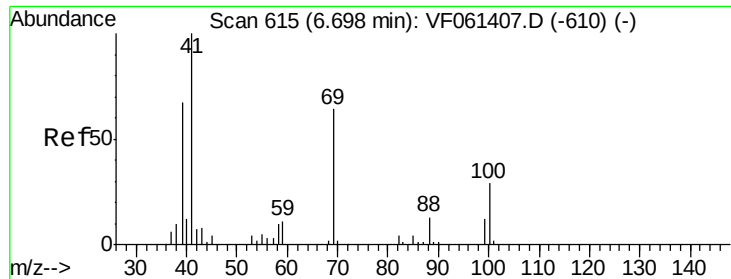


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 3912.797 ug/l

RT: 6.94 min Scan# 640

Delta R.T. 0.24 min

Lab File: VF061550.D

Acq: 7 Feb 2019 17:42

Instrument :

MSVOA_F

ClientSampled :

RBR-200052

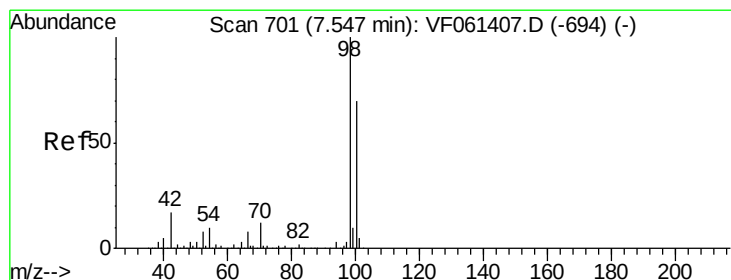
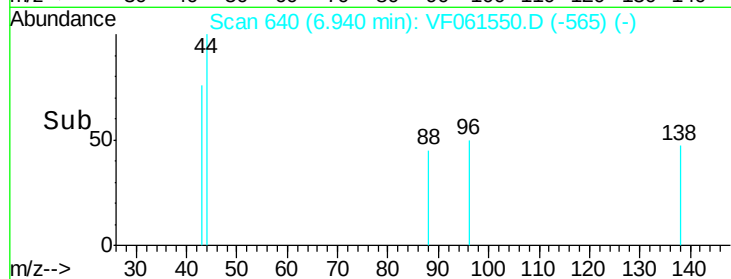
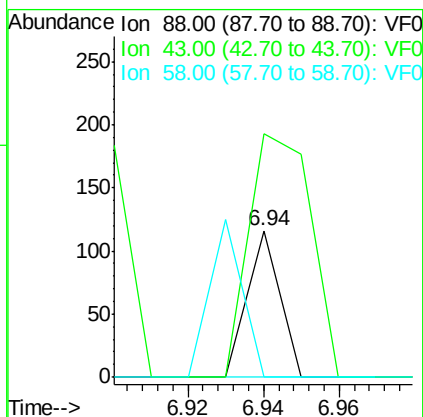
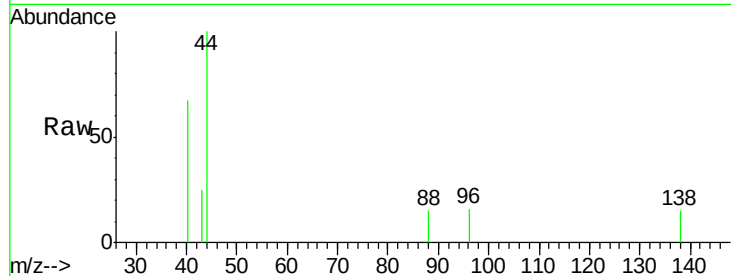
Tot Ion: 88 Resp: 69

Ion Ratio Lower Upper

88 100

43 166.4 55.5 83.3#

58 0.0 59.9 89.9#



#50

Toluene-d8

Concen: 50.799 ug/l

RT: 7.55 min Scan# 702

Delta R.T. 0.00 min

Lab File: VF061550.D

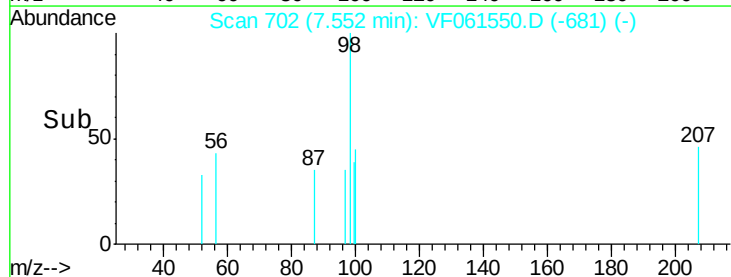
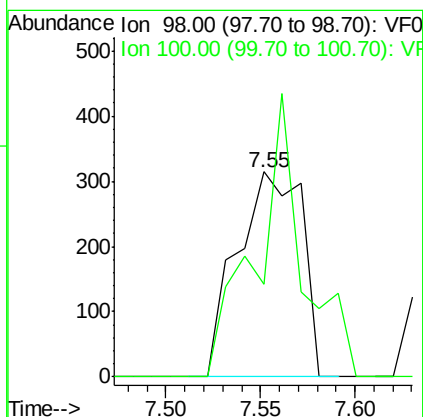
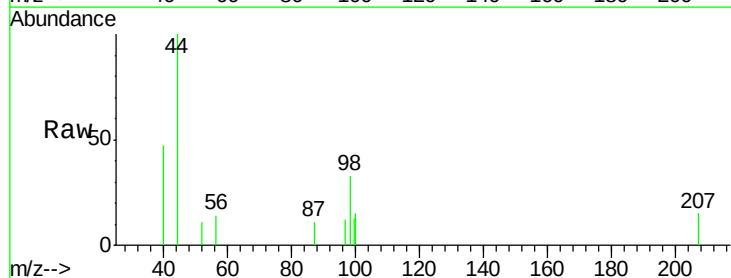
Acq: 7 Feb 2019 17:42

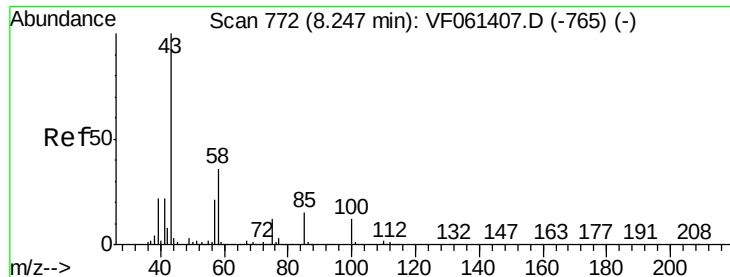
Tgt Ion: 98 Resp: 749

Ion Ratio Lower Upper

98 100

100 45.2 55.6 83.4#





#51

4-Methyl-2-Pentanone

Concen: 38.060 ug/l

RT: 8.25 min Scan# 773

Delta R.T. 0.00 min

Lab File: VF061550.D

Acq: 7 Feb 2019 17:42

Instrument :

MSVOA_F

ClientSampleId :

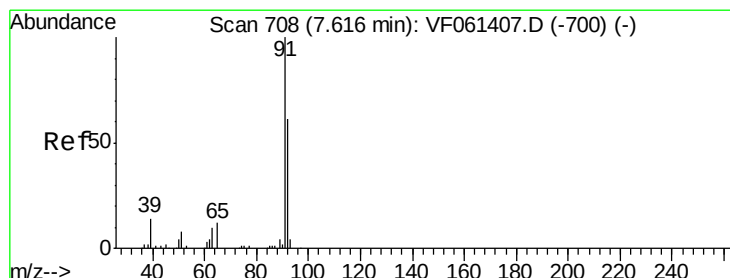
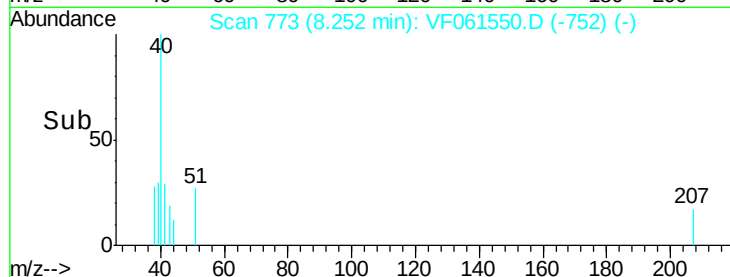
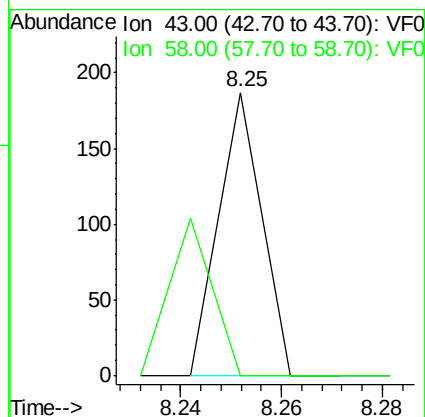
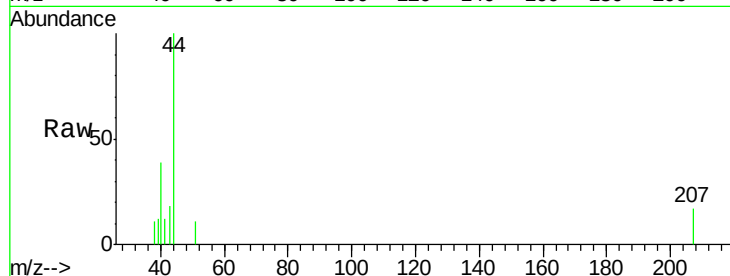
RBR-200052

Tot Ion: 43 Resp: 111

Ion Ratio Lower Upper

43 100

58 0.0 28.8 43.2#



#52

Toluene

Concen: 5.092 ug/l

RT: 7.66 min Scan# 713

Delta R.T. 0.04 min

Lab File: VF061550.D

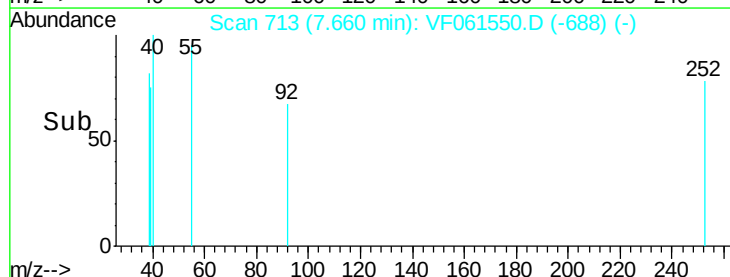
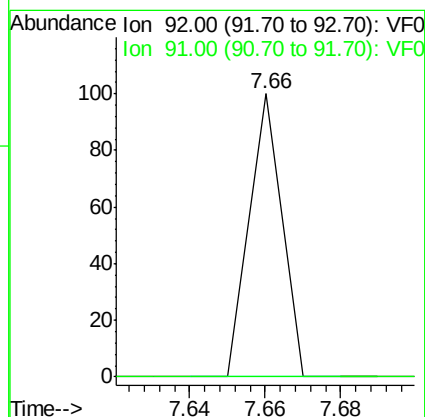
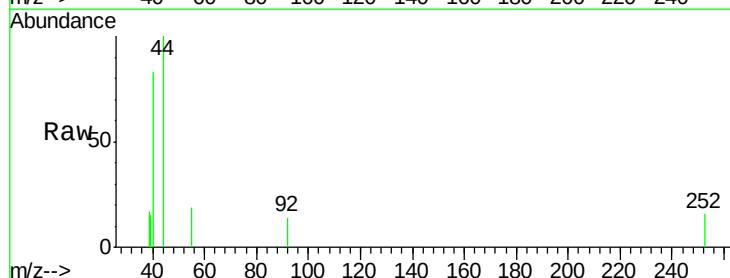
Acq: 7 Feb 2019 17:42

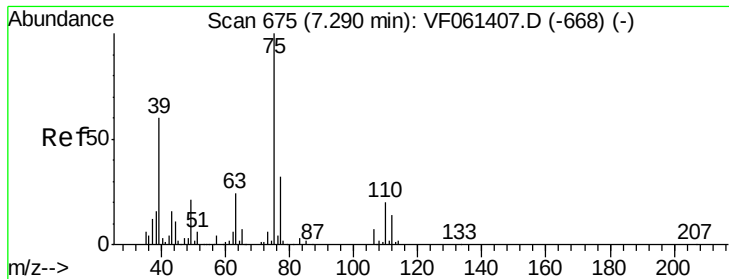
Tgt Ion: 92 Resp: 59

Ion Ratio Lower Upper

92 100

91 0.0 131.2 196.8#





#54

cis-1,3-Dichloropropene

Concen: 11.670 ug/l

RT: 7.14 min Scan# 660

Delta R.T. -0.15 min

Lab File: VF061550.D

Acq: 7 Feb 2019 17:42

Instrument :

MSVOA_F

ClientSampleId :

RBR-200052

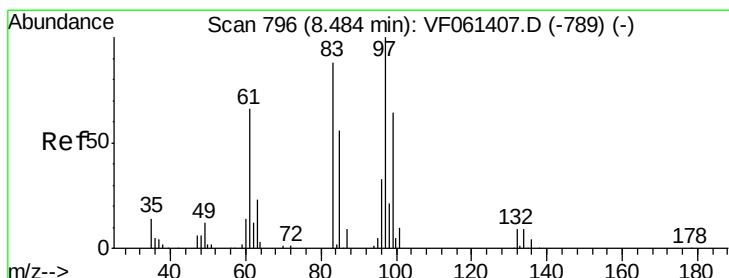
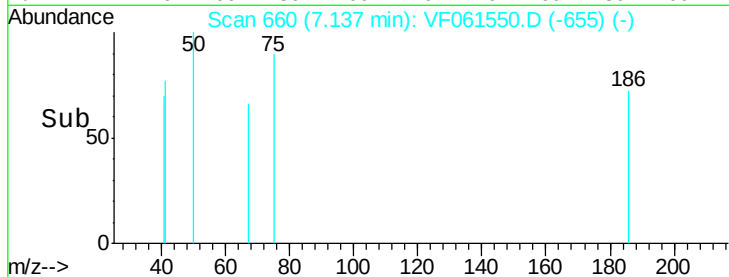
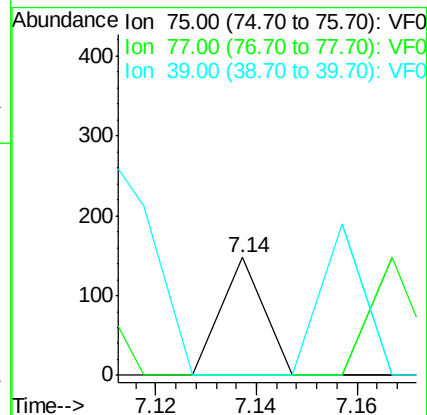
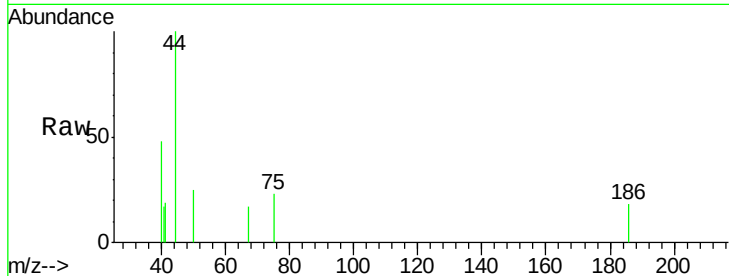
Tot Ion: 75 Resp: 88

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.0#

39 0.0 47.8 71.8#



#55

1,1,2-Trichloroethane

Concen: 21.578 ug/l

RT: 8.33 min Scan# 781

Delta R.T. -0.15 min

Lab File: VF061550.D

Acq: 7 Feb 2019 17:42

Tgt Ion: 97 Resp: 71

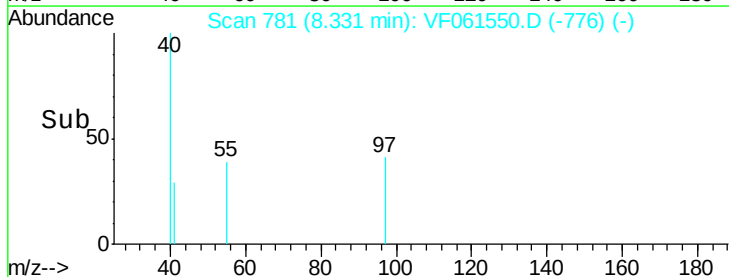
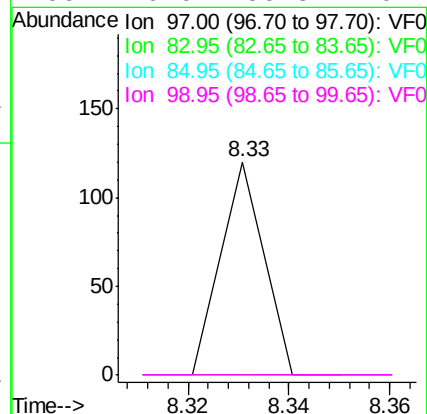
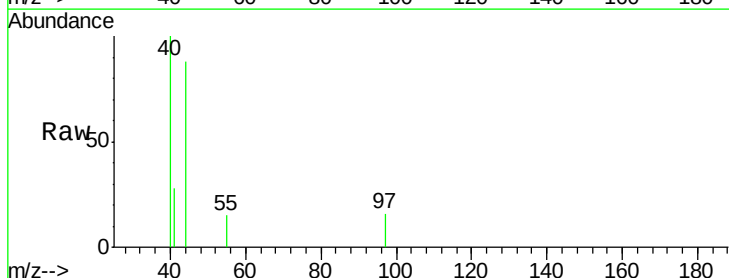
Ion Ratio Lower Upper

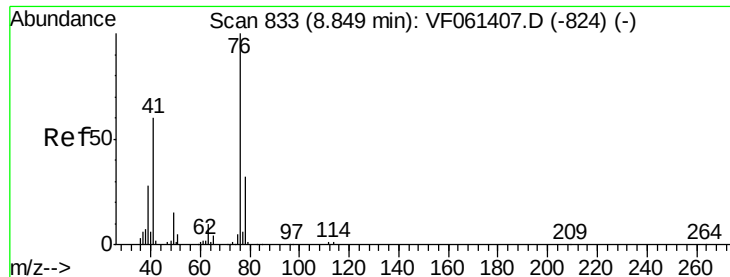
97 100

83 0.0 70.4 105.6#

85 0.0 44.7 67.1#

99 0.0 50.8 76.2#





#57

1,3-Dichloropropane

Concen: 11.998 ug/l

RT: 8.89 min Scan# 838

Delta R.T. 0.04 min

Lab File: VF061550.D

Acq: 7 Feb 2019 17:42

Instrument :

MSVOA_F

ClientSampleId :

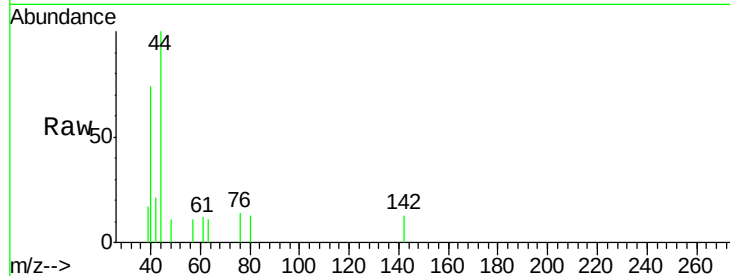
RBR-200052

Tot Ion: 76 Resp: 74

Ion Ratio Lower Upper

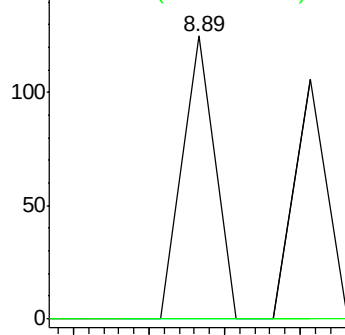
76 100

78 0.0 25.3 37.9#

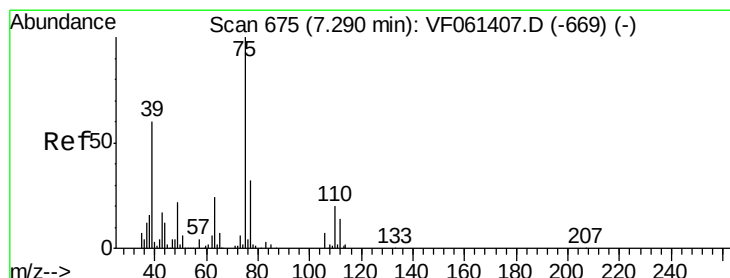
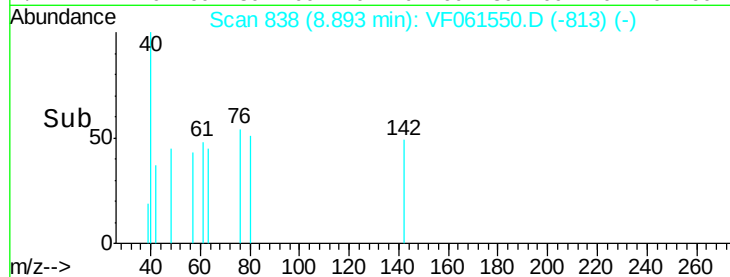


Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 187.133 ug/l

RT: 7.28 min Scan# 674

Delta R.T. -0.01 min

Lab File: VF061550.D

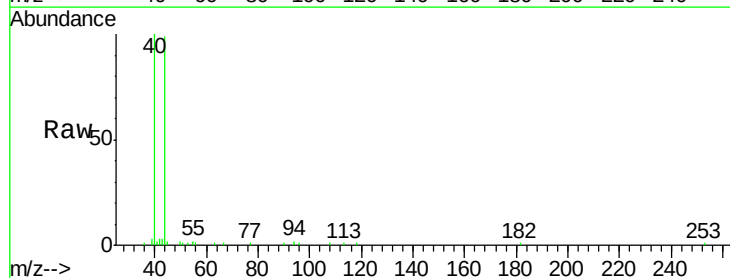
Acq: 7 Feb 2019 17:42

Tgt Ion: 63 Resp: 72

Ion Ratio Lower Upper

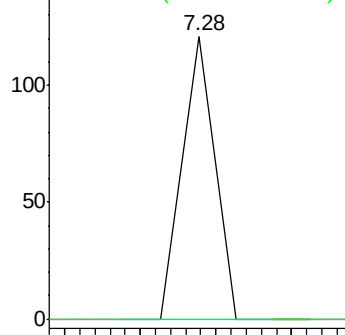
63 100

106 0.0 21.9 32.9#

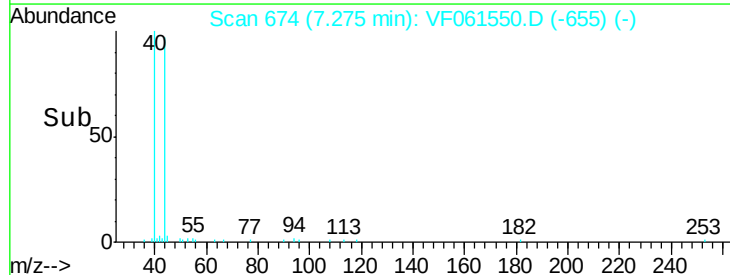


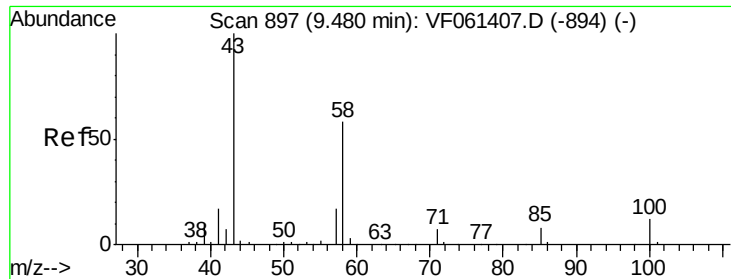
Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V



Time-->

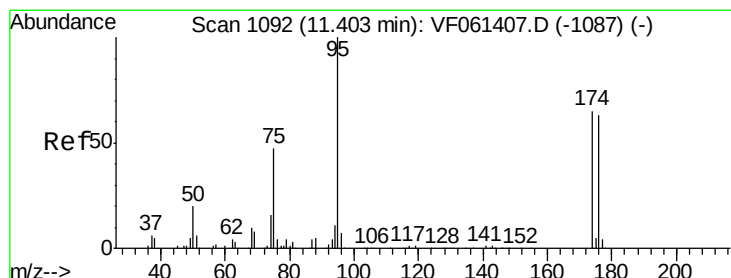
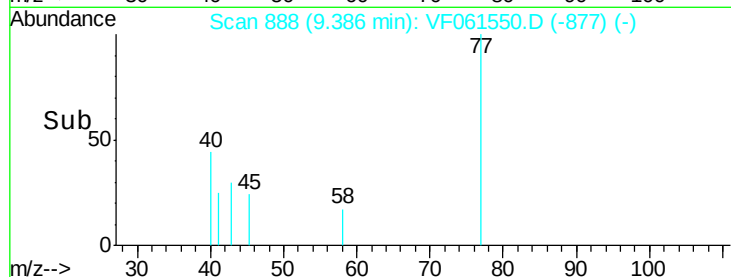
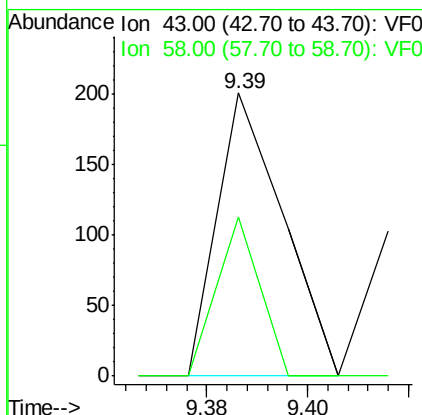
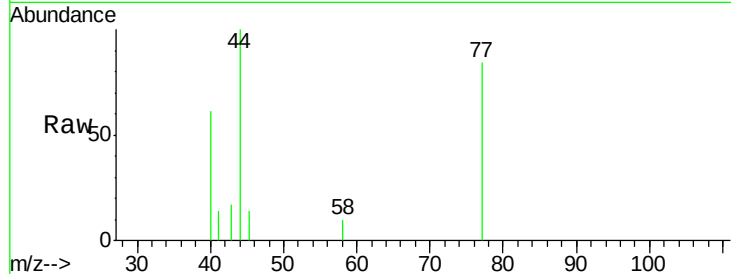




#59
2-Hexanone
Concen: 89.000 ug/l
RT: 9.39 min Scan# 888
Delta R.T. -0.09 min
Lab File: VF061550.D
Acq: 7 Feb 2019 17:42

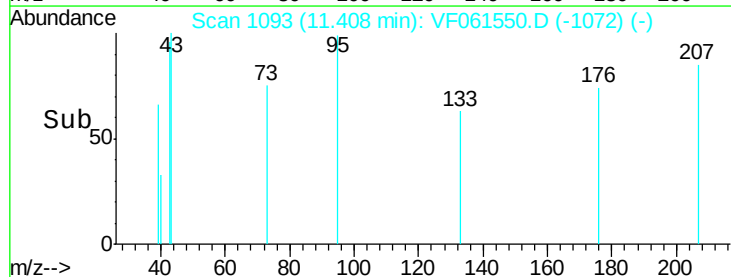
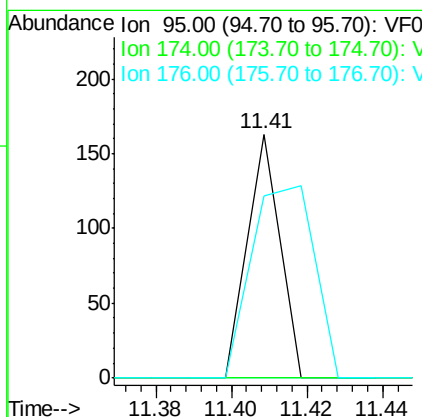
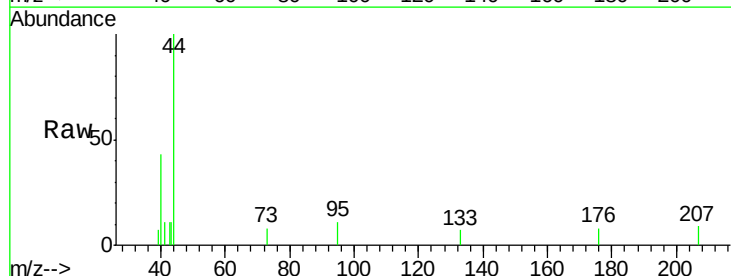
Instrument :
MSVOA_F
ClientSampled :
RBR-200052

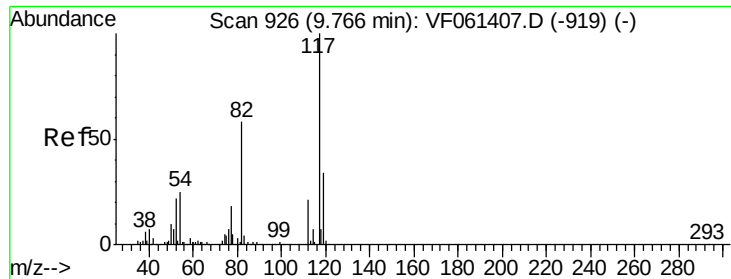
Tot Ion: 43 Resp: 181
Ion Ratio Lower Upper
43 100
58 56.2 25.9 77.6



#62
4-Bromofluorobenzene
Concen: 13.935 ug/l
RT: 11.41 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VF061550.D
Acq: 7 Feb 2019 17:42

Tgt Ion: 95 Resp: 96
Ion Ratio Lower Upper
95 100
174 0.0 0.0 130.4
176 74.8 0.0 126.2

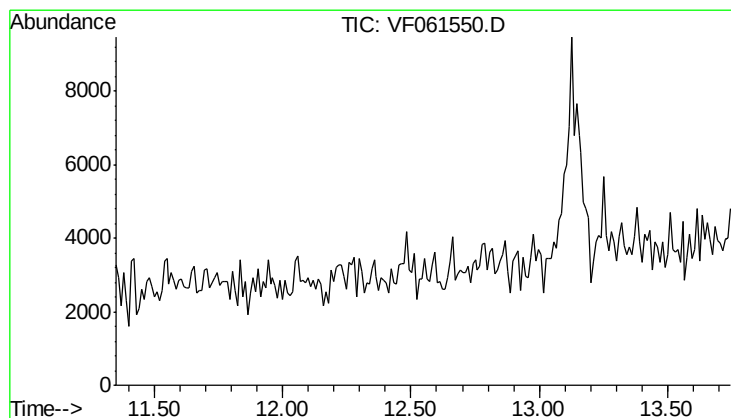
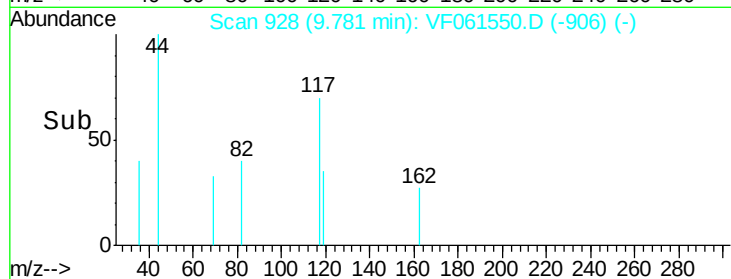
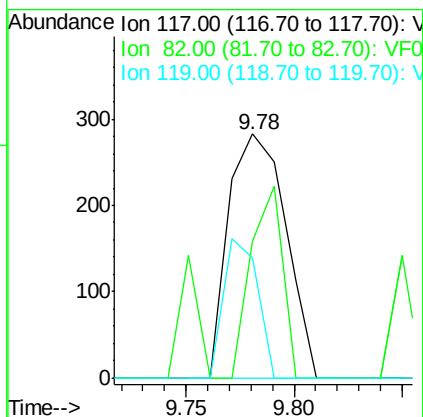
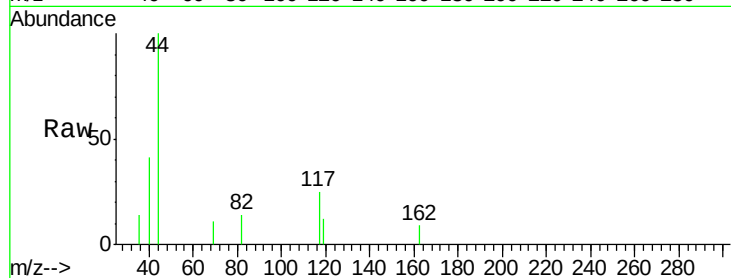




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.78 min Scan# 928
Delta R.T. 0.01 min
Lab File: VF061550.D
Acq: 7 Feb 2019 17:42

Instrument :
MSVOA_F
ClientSampleId :
RBR-200052

Tot Ion:117 Resp: 520
Ion Ratio Lower Upper
117 100
82 56.2 46.4 69.6
119 49.1 27.2 40.8#



#72
1,4-Dichlorobenzene-d4
Concen: 0.000 ug/l
Expected RT: 12.55 min

Lab File: VF061550.D
Acq: 7 Feb 2019 17:42

Tgt Ion: 152
Sig Exp Ratio
152 100
115 60.0
150 160.7

