

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052019\
 Data File : VF062668.D
 Acq On : 20 May 2019 18:45
 Operator : FY/SY
 Sample : K2880-02
 Misc : 5.71µ/5mL/MSVOA F/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 RBR-251608

Quant Time: May 21 02:02:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 05:49:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	85027	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	85686	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	37061	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	4694	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.05	65	5554	9.24	ug/l	0.01
Spiked Amount			Recovery	=	18.48%	
35) Dibromofluoromethane	4.32	113	15415	23.51	ug/l	0.00
Spiked Amount			Recovery	=	47.02%	
50) Toluene-d8	7.82	98	1598	1.02	ug/l	0.10
Spiked Amount			Recovery	=	2.04%	
62) 4-Bromofluorobenzene	11.50	95	6349	10.69	ug/l	0.00
Spiked Amount			Recovery	=	21.38%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.12	50	2474	2.322	ug/l #	40
6) Chloroethane	1.35	64	1120	3.110	ug/l	92
8) Diethyl Ether	1.71	74	547	2.097	ug/l	67
11) Tert butyl alcohol	2.70	59	496	12.504	ug/l #	70
13) Acrolein	2.06	56	1186	28.642	ug/l #	82
15) Acrylonitrile	3.08	53	794	7.096	ug/l #	1
16) Acetone	2.21	43	1318	8.455	ug/l	90
18) Methyl Acetate	2.44	43	1973	8.055	ug/l #	62
20) Methylene Chloride	2.30	84	4436	5.678	ug/l #	83
25) 2-Butanone	4.55	43	1835	5.510	ug/l #	50
26) 2,2-Dichloropropane	3.80	77	1009	1.410	ug/l	84
29) Tetrahydrofuran	4.24	42	724	5.372	ug/l #	52
37) Ethyl Acetate	4.29	43	373	1.040	ug/l #	45
41) Methacrylonitrile	4.96	41	1819	9.678	ug/l #	55
43) Isopropyl Acetate	7.10	43	646	1.391	ug/l #	42
48) Methyl methacrylate	6.87	41	1154	4.754	ug/l #	34
49) 1,4-Dioxane	6.87	88	119	38.273	ug/l #	1
51) 4-Methyl-2-Pentanone	8.42	43	475	1.496	ug/l #	32
56) Ethyl methacrylate	8.75	69	648	1.464	ug/l #	55
58) 2-Chloroethyl Vinyl ether	7.46	63	166	1.152	ug/l #	51
59) 2-Hexanone	9.66	43	749	Below Cal		77
66) 1,1,1,2-Tetrachloroethane	10.18	131	353	1.208	ug/l	76
73) Isopropylbenzene	11.20	105	358	1.064	ug/l	85
74) N-ethyl acetate	11.46	43	928	6.103	ug/l #	52
75) 1,1,2,2-Tetrachloroethane	11.76	83	376	5.469	ug/l #	92
76) 1,2,3-Trichloropropane	12.01	75	242	5.357	ug/l	68
77) Bromobenzene	11.63	156	101	1.208	ug/l	59
78) n-propylbenzene	11.68	91	755	1.896	ug/l	93
79) 2-Chlorotoluene	11.80	91	279	1.243	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.95	75	375	18.675	ug/l #	12
82) 4-Chlorotoluene	11.98	91	354	1.600	ug/l #	37
84) 1,2,4-Trimethylbenzene	12.27	105	726	2.781	ug/l	73
85) sec-Butylbenzene	12.38	105	412	1.122	ug/l #	54
88) 1,4-Dichlorobenzene	12.63	146	150	1.056	ug/l #	41

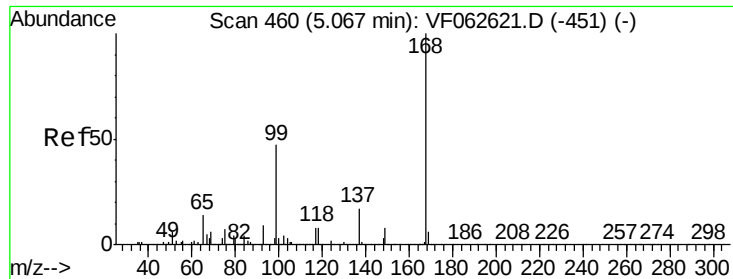
Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052019\
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Quant Title : SW846 8260
QLast Update : Fri May 17 05:49:09 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
89) n-Butylbenzene	12.93	91	427	1.399	ug/l #	25
92) 1,2-Dibromo-3-Chloropropan	13.71	75	557	67.910	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.23	180	122	1.264	ug/l #	11
94) Hexachlorobutadiene	14.33	225	80	1.187	ug/l #	16
95) Naphthalene	14.48	128	218	1.243	ug/l #	69
96) 1,2,3-Trichlorobenzene	14.60	180	144	1.575	ug/l #	11

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.06 min Scan# 459

Delta R.T. -0.01 min

Lab File: VF062668.D

Acq: 20 May 2019 18:45

Instrument :

MSVOA_F

ClientSampleId :

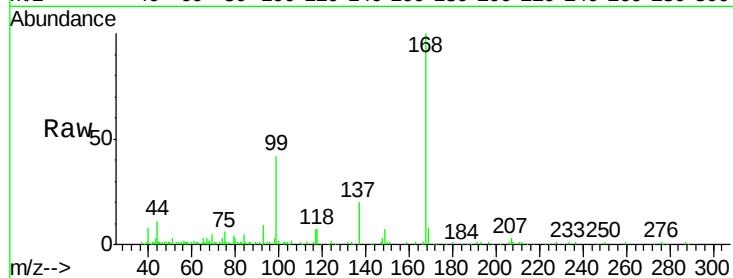
RBR-251608

Tot Ion:168 Resp: 85027

Ion Ratio Lower Upper

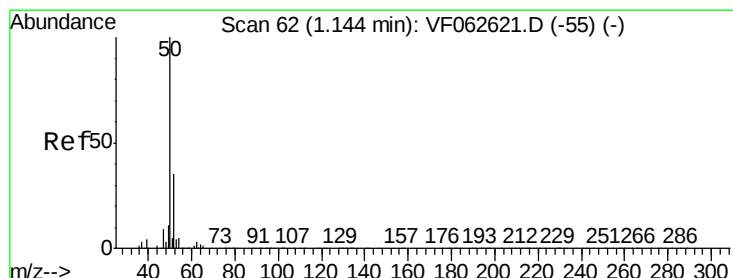
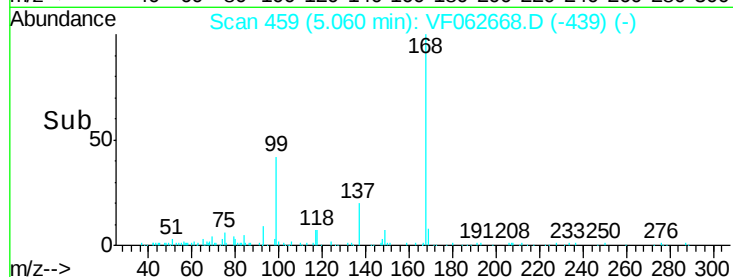
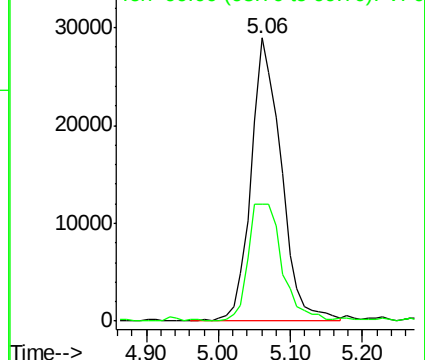
168 100

99 41.5 37.8 56.8



Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VF0



#3

Chloromethane

Concen: 2.322 ug/l

RT: 1.12 min Scan# 59

Delta R.T. -0.03 min

Lab File: VF062668.D

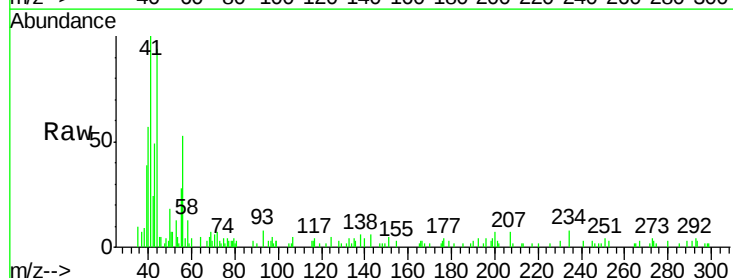
Acq: 20 May 2019 18:45

Tgt Ion: 50 Resp: 2474

Ion Ratio Lower Upper

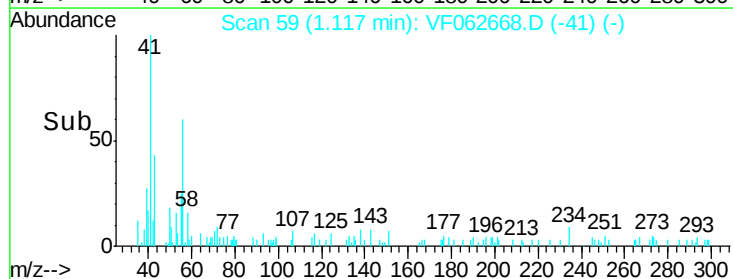
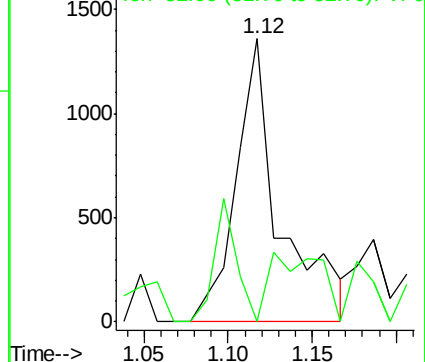
50 100

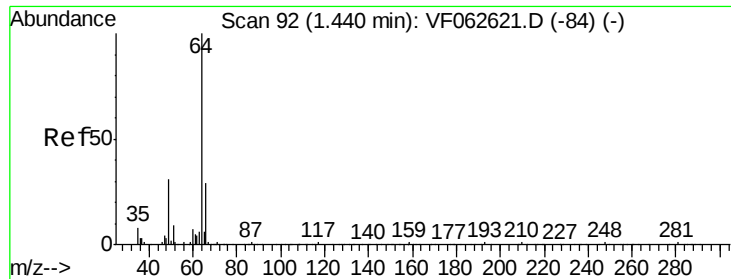
52 0.0 27.5 41.3#



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0





#6

Chloroethane

Concen: 3.110 ug/l

RT: 1.35 min Scan# 83

Delta R.T. -0.09 min

Lab File: VF062668.D

Acq: 20 May 2019 18:45

Instrument :

MSVOA_F

ClientSampleId :

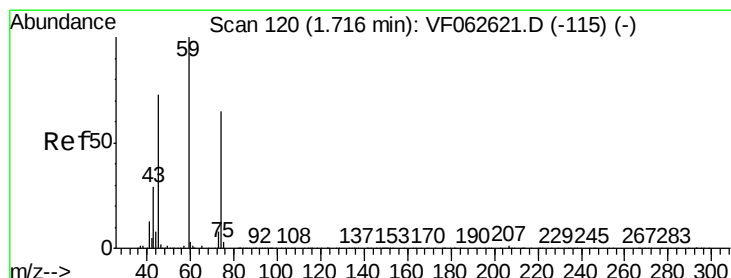
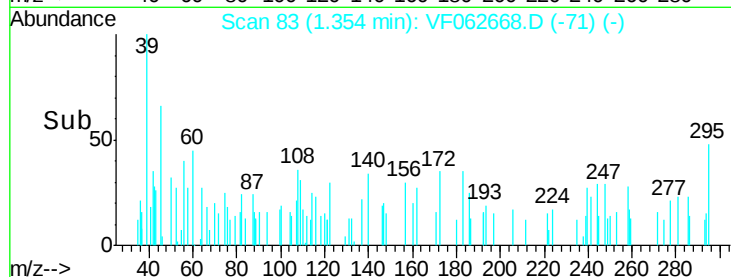
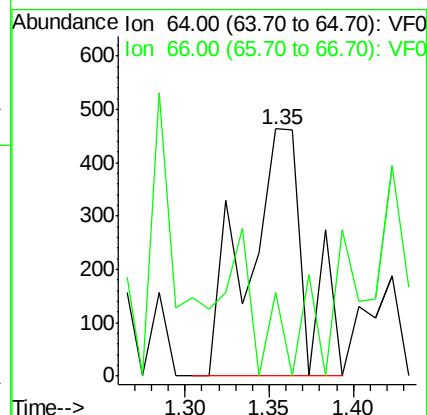
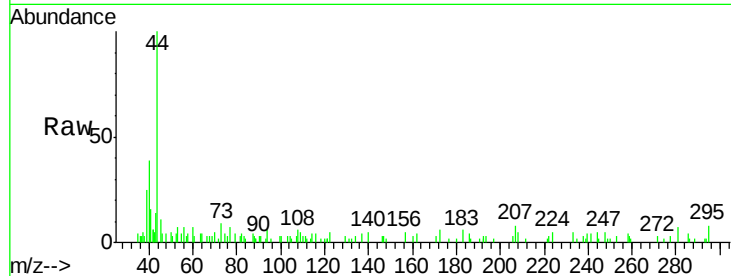
RBR-251608

Tot Ion: 64 Resp: 1120

Ion Ratio Lower Upper

64 100

66 33.8 23.4 35.2



#8

Diethyl Ether

Concen: 2.097 ug/l

RT: 1.71 min Scan# 119

Delta R.T. -0.01 min

Lab File: VF062668.D

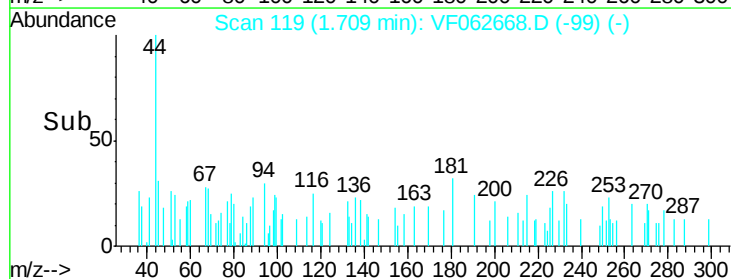
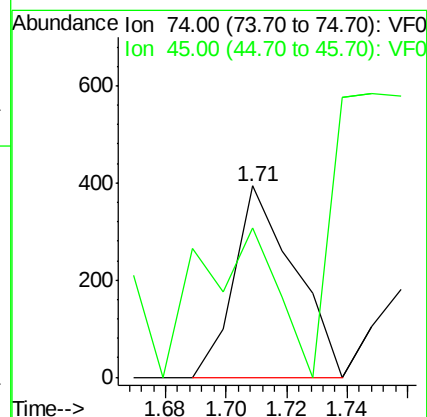
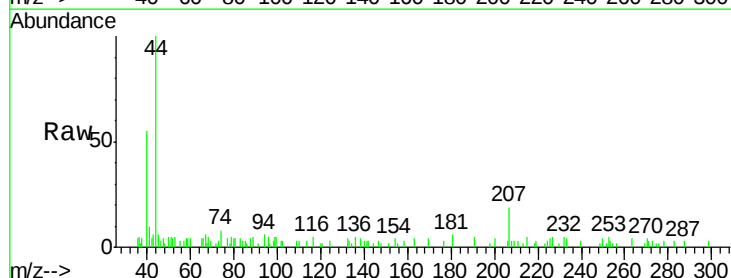
Acq: 20 May 2019 18:45

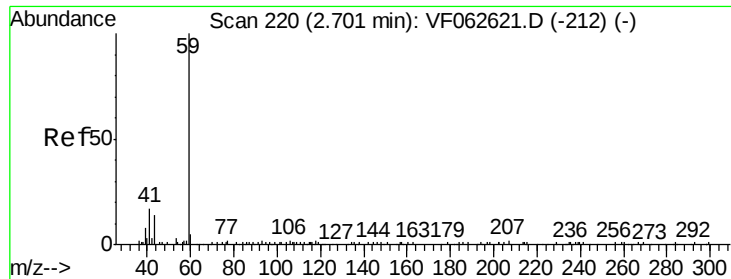
Tgt Ion: 74 Resp: 547

Ion Ratio Lower Upper

74 100

45 77.9 57.0 170.8

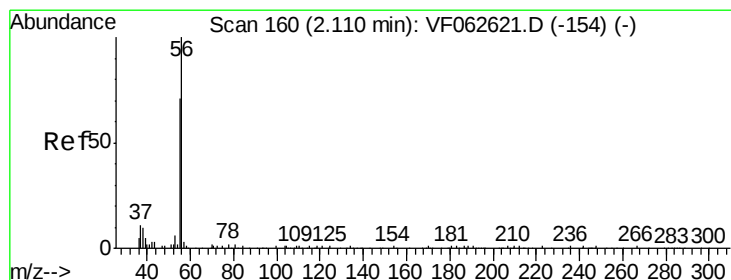
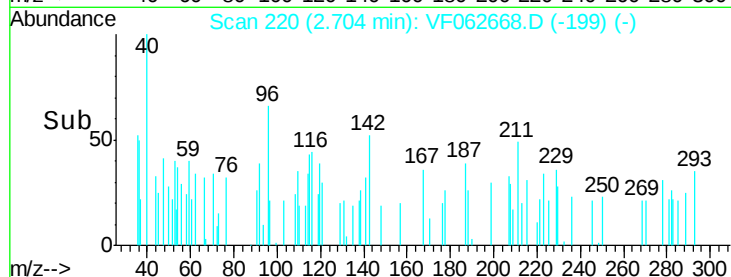
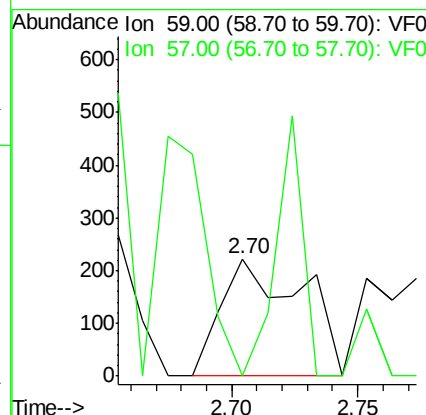
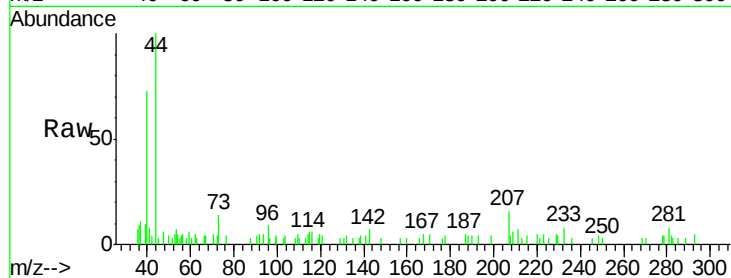




#11
Tert butyl alcohol
Concen: 12.504 ug/l
RT: 2.70 min Scan# 220
Delta R.T. 0.00 min
Lab File: VF062668.D
Acq: 20 May 2019 18:45

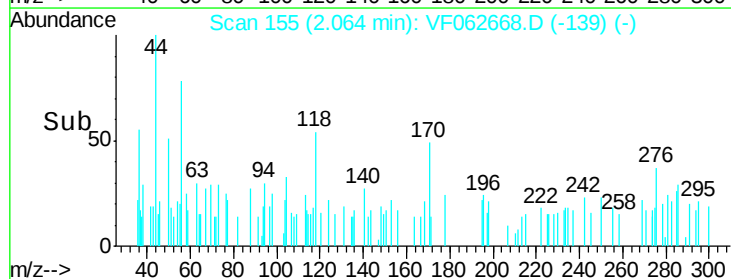
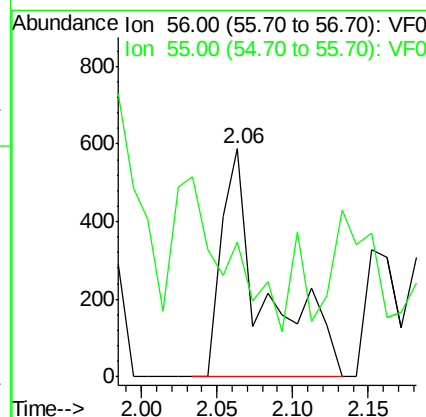
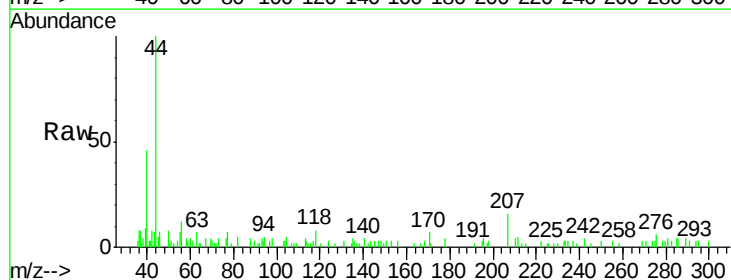
Instrument :
MSVOA_F
ClientSampleId :
RBR-251608

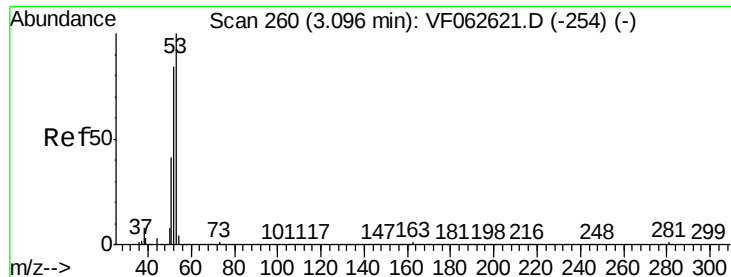
Tot Ion: 59 Resp: 496
Ion Ratio Lower Upper
59 100
57 0.0 9.3 13.9#



#13
Acrolein
Concen: 28.642 ug/l
RT: 2.06 min Scan# 155
Delta R.T. -0.05 min
Lab File: VF062668.D
Acq: 20 May 2019 18:45

Tgt Ion: 56 Resp: 1186
Ion Ratio Lower Upper
56 100
55 59.1 59.4 89.0#





#15

Acrylonitrile

Concen: 7.096 ug/l

RT: 3.08 min Scan# 258

Delta R.T. -0.02 min

Lab File: VF062668.D

Acq: 20 May 2019 18:45

Instrument :

MSVOA_F

ClientSampleId :

RBR-251608

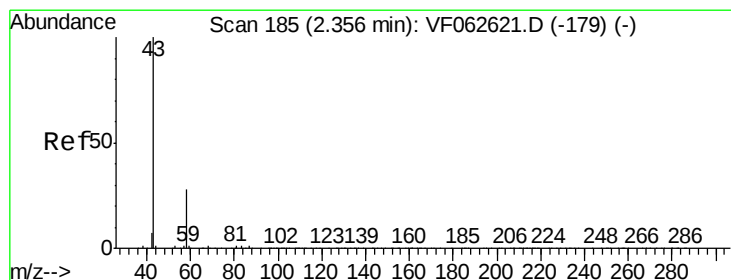
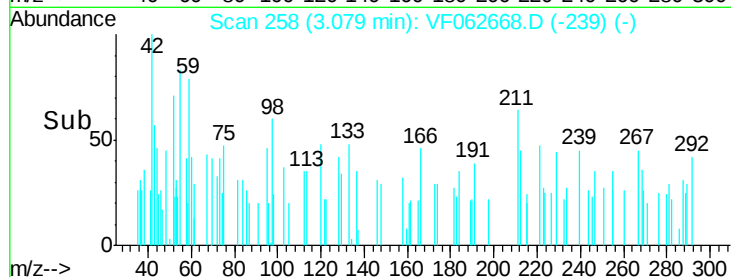
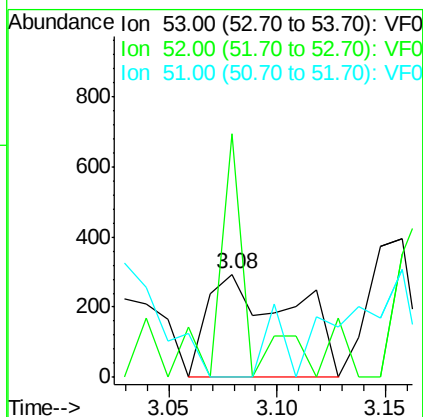
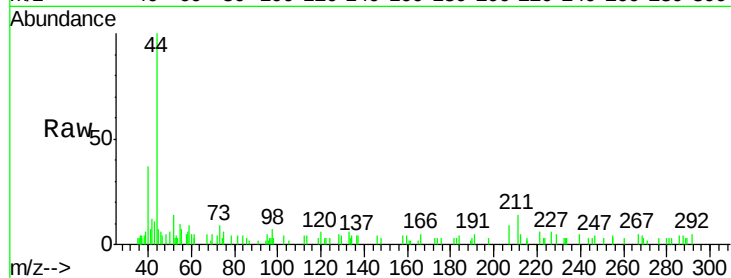
Tot Ion: 53 Resp: 794

Ion Ratio Lower Upper

53 100

52 236.1 67.3 100.9#

51 197.3 33.0 49.6#



#16

Acetone

Concen: 8.455 ug/l

RT: 2.21 min Scan# 170

Delta R.T. -0.15 min

Lab File: VF062668.D

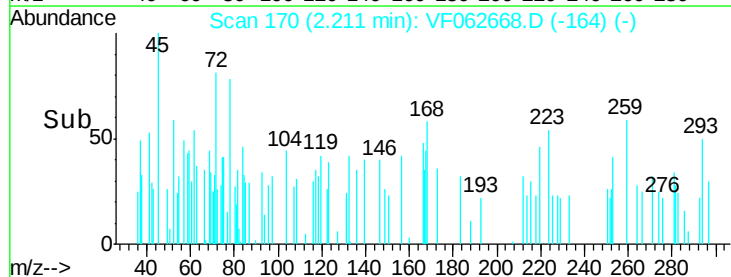
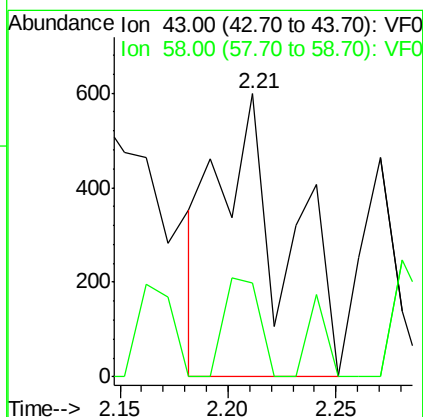
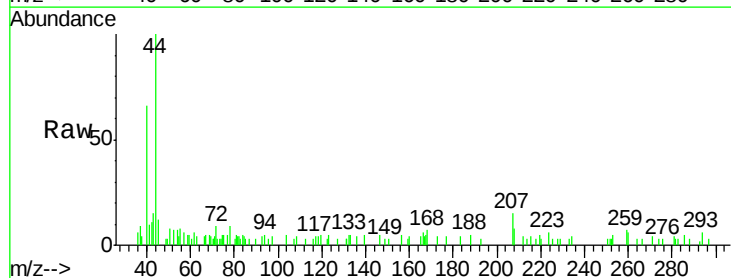
Acq: 20 May 2019 18:45

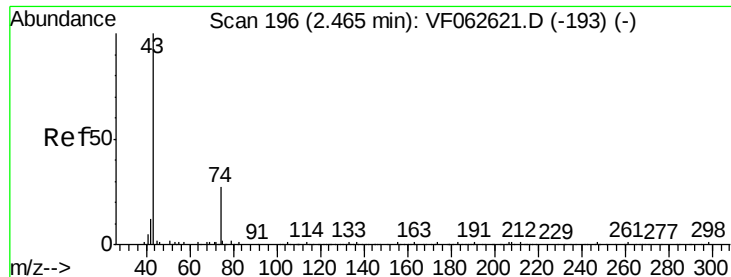
Tgt Ion: 43 Resp: 1318

Ion Ratio Lower Upper

43 100

58 33.3 22.6 33.8

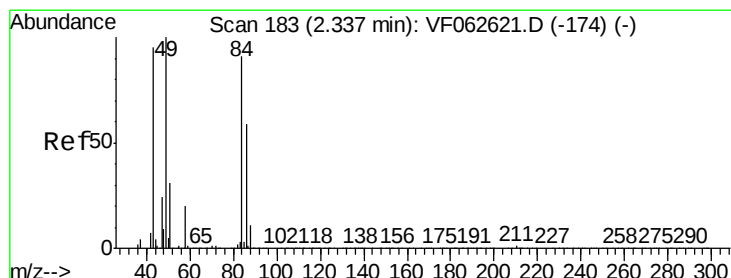
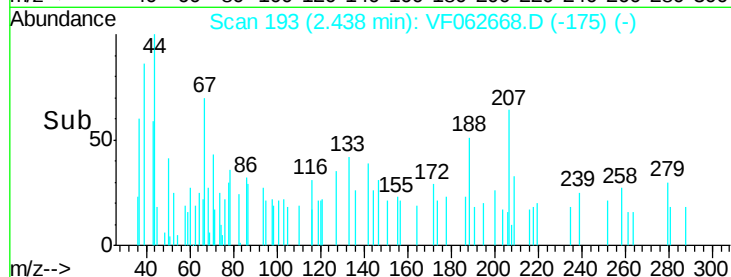
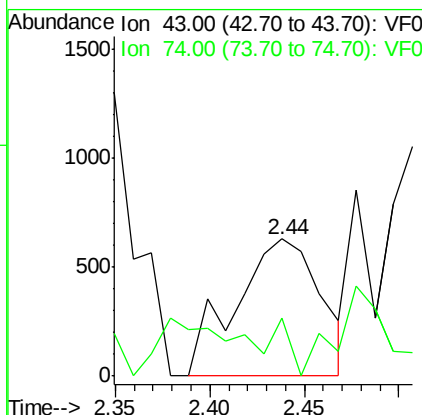
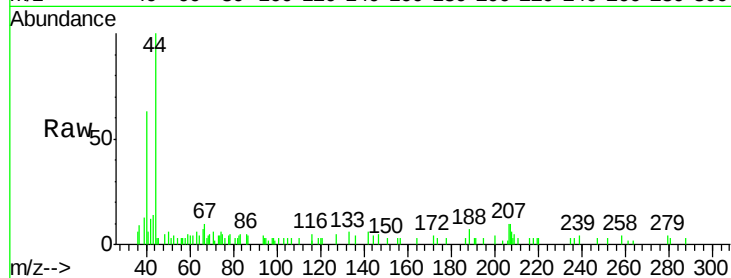




#18
Methyl Acetate
Concen: 8.055 ug/l
RT: 2.44 min Scan# 193
Delta R.T. -0.03 min
Lab File: VF062668.D
Acq: 20 May 2019 18:45

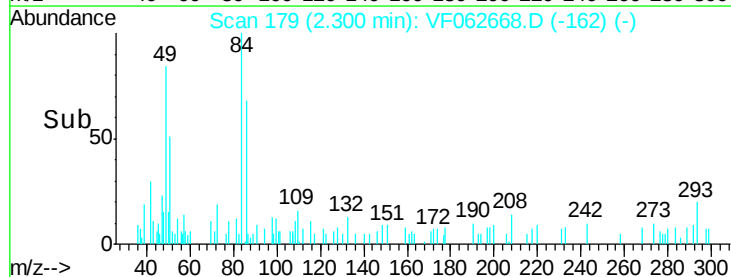
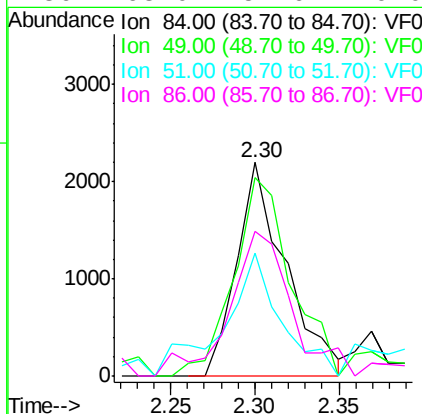
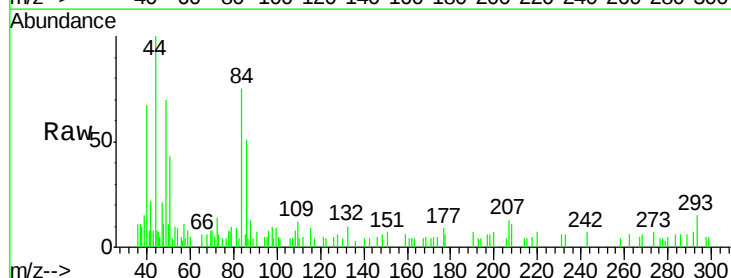
Instrument :
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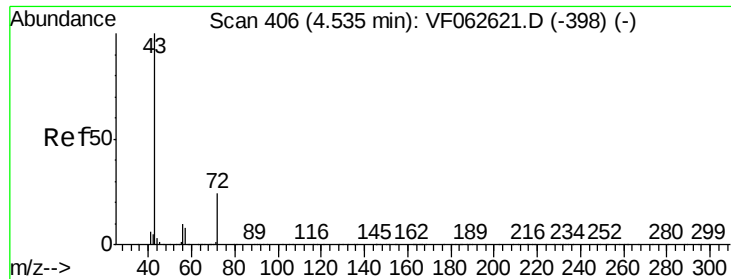
Tot Ion: 43 Resp: 1973
Ion Ratio Lower Upper
43 100
74 42.1 18.9 28.3#



#20
Methylene Chloride
Concen: 5.678 ug/l
RT: 2.30 min Scan# 179
Delta R.T. -0.04 min
Lab File: VF062668.D
Acq: 20 May 2019 18:45

Tgt Ion: 84 Resp: 4436
Ion Ratio Lower Upper
84 100
49 92.7 89.8 134.8
51 57.6 28.4 42.6#
86 68.0 52.6 79.0





#25

2-Butanone

Concen: 5.510 ug/l

RT: 4.55 min Scan# 407

Delta R.T. 0.01 min

Lab File: VF062668.D

Acq: 20 May 2019 18:45

Instrument :

MSVOA_F

ClientSampleId :

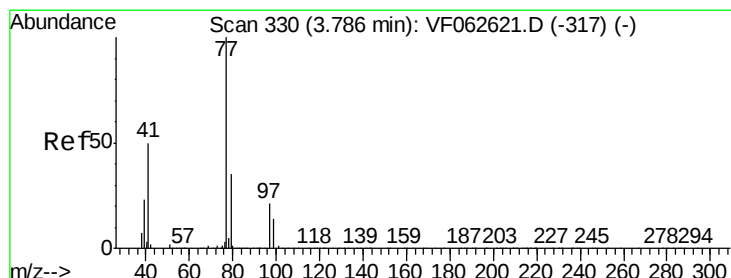
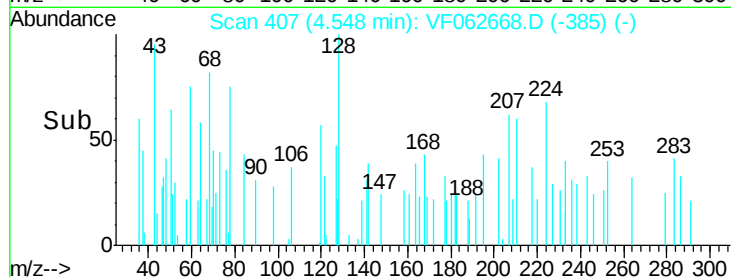
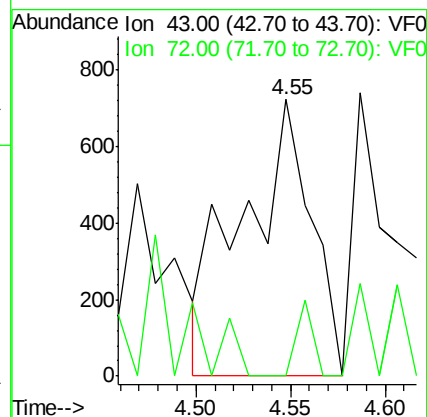
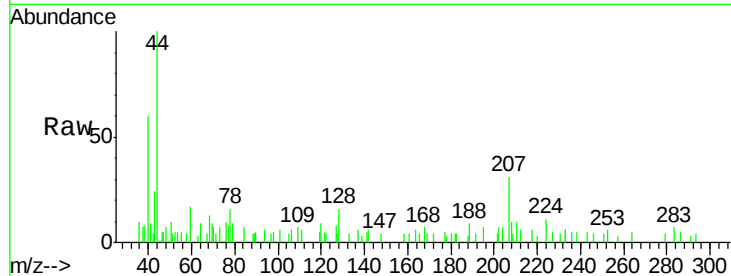
RBR-251608

Tot Ion: 43 Resp: 1835

Ion Ratio Lower Upper

43 100

72 0.0 20.1 30.1#



#26

2,2-Dichloropropane

Concen: 1.410 ug/l

RT: 3.80 min Scan# 331

Delta R.T. 0.01 min

Lab File: VF062668.D

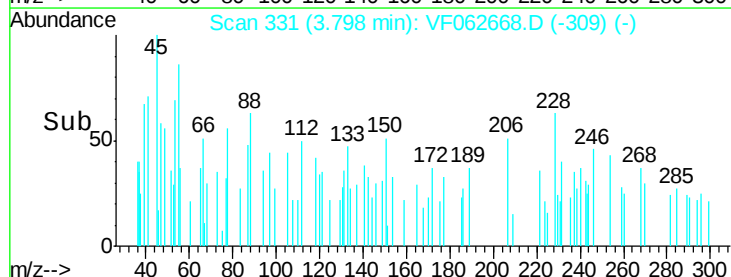
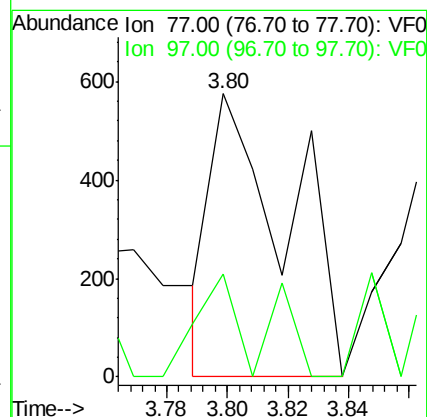
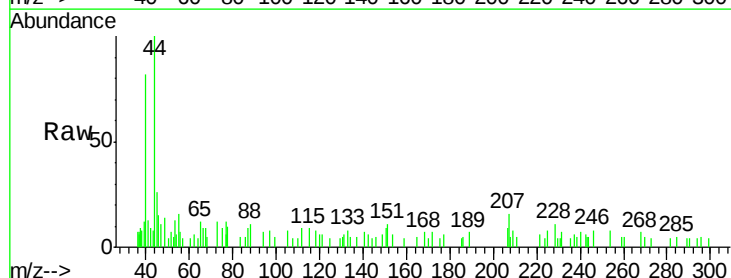
Acq: 20 May 2019 18:45

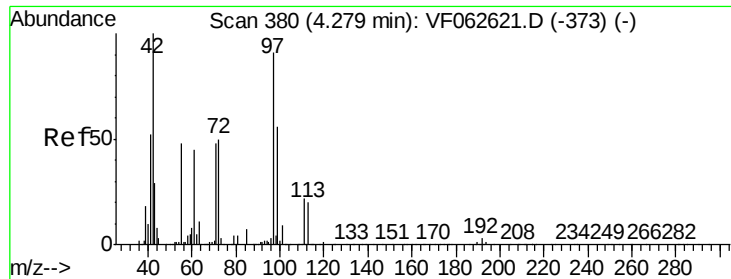
Tgt Ion: 77 Resp: 1009

Ion Ratio Lower Upper

77 100

97 36.5 14.1 42.4

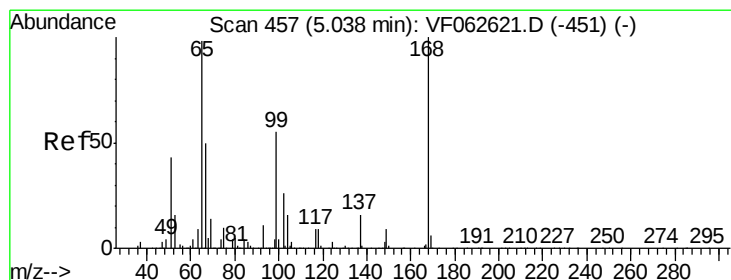
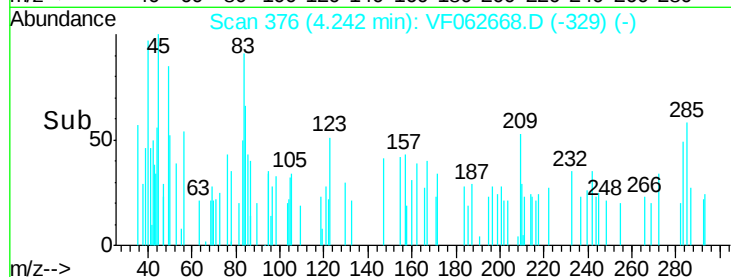
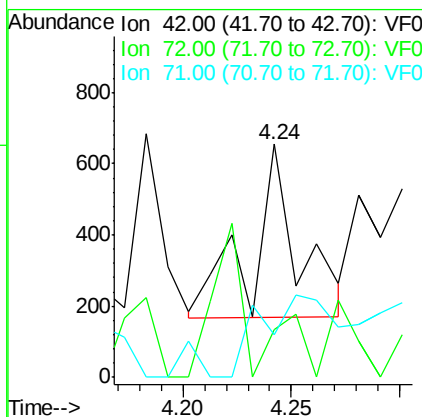
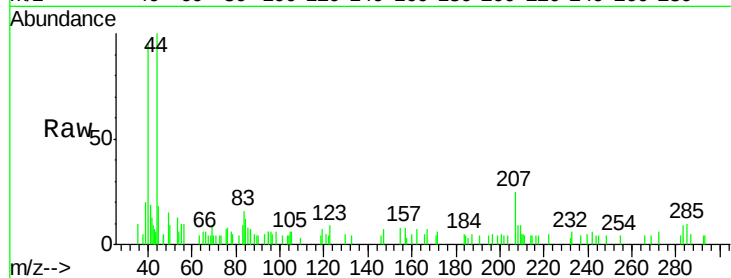




#29
Tetrahydrofuran
Concen: 5.372 ug/l
RT: 4.24 min Scan# 376
Delta R.T. -0.04 min
Lab File: VF062668.D
Acq: 20 May 2019 18:45

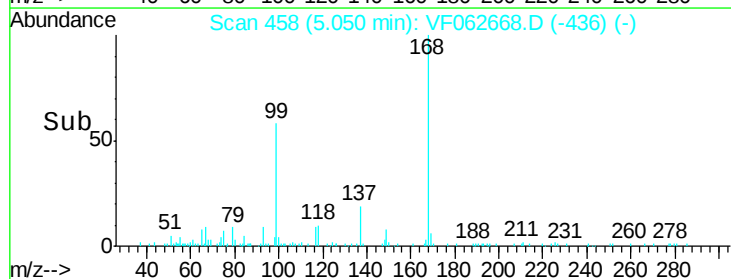
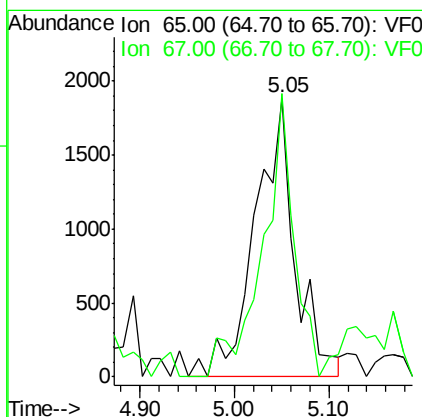
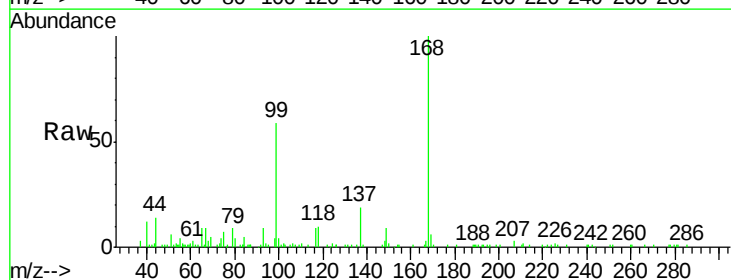
Instrument :
MSVOA_F
ClientSampleId :
RBR-251608

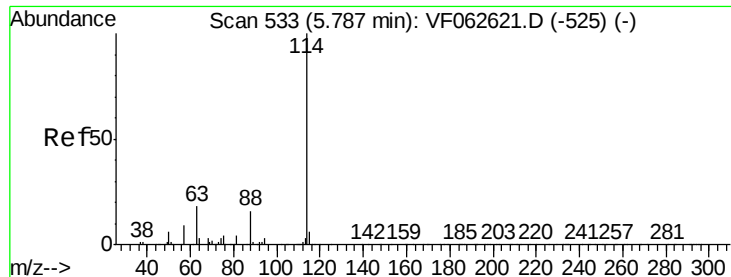
Tot Ion: 42 Resp: 724
Ion Ratio Lower Upper
42 100
72 14.5 38.2 57.2#
71 74.7 35.8 53.6#



#33
1,2-Dichloroethane-d4
Concen: 9.244 ug/l
RT: 5.05 min Scan# 458
Delta R.T. 0.01 min
Lab File: VF062668.D
Acq: 20 May 2019 18:45

Tgt Ion: 65 Resp: 5554
Ion Ratio Lower Upper
65 100
67 101.6 0.0 117.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.78 min Scan# 532

Delta R.T. -0.01 min

Lab File: VF062668.D

Acq: 20 May 2019 18:45

Instrument :

MSVOA_F

ClientSampleId :

RBR-251608

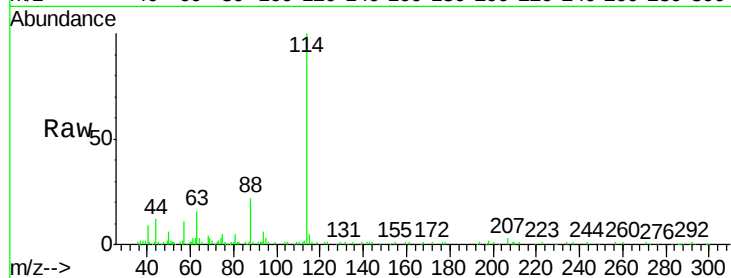
Tot Ion:114 Resp: 85686

Ion Ratio Lower Upper

114 100

63 16.1 0.0 35.4

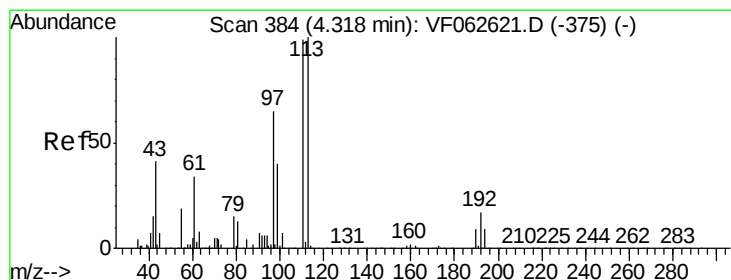
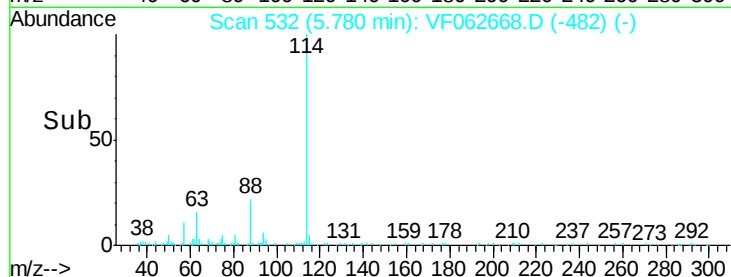
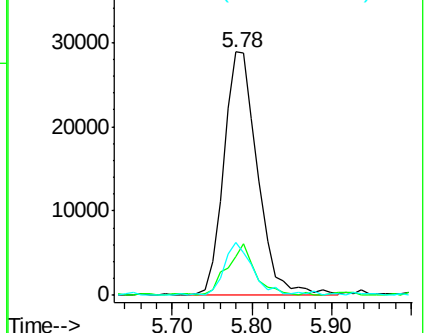
88 21.6 0.0 32.4



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: 23.510 ug/l

RT: 4.32 min Scan# 384

Delta R.T. 0.00 min

Lab File: VF062668.D

Acq: 20 May 2019 18:45

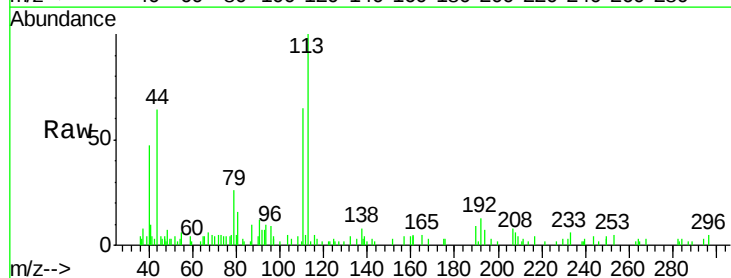
Tgt Ion:113 Resp: 15415

Ion Ratio Lower Upper

113 100

111 65.4 79.4 119.2#

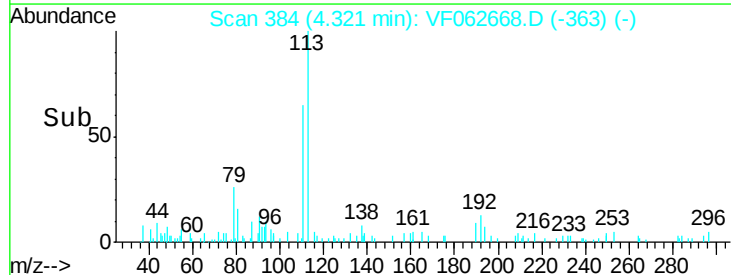
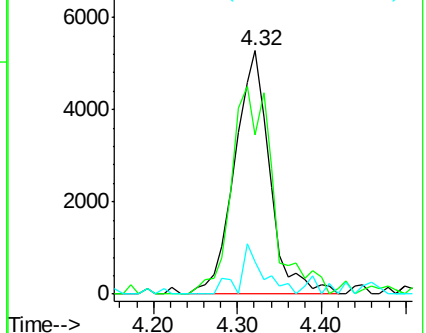
192 13.5 13.4 20.2

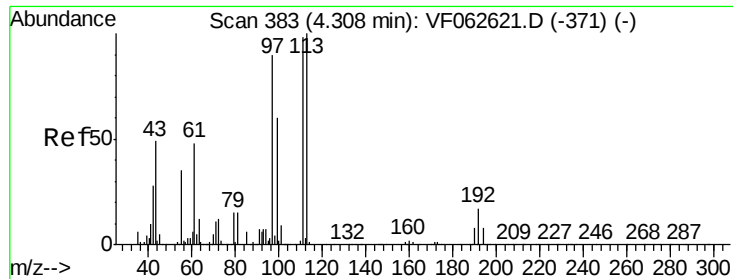


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#37

Ethyl Acetate

Concen: 1.040 ug/l

RT: 4.29 min Scan# 381

Delta R.T. -0.02 min

Lab File: VF062668.D

Acq: 20 May 2019 18:45

Instrument :

MSVOA_F

ClientSampleId :

RBR-251608

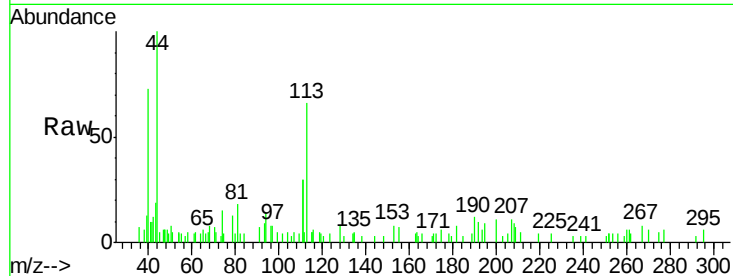
Tot Ion: 43 Resp: 373

Ion Ratio Lower Upper

43 100

61 43.1 76.9 115.3#

70 35.0 8.8 13.2#



Abundance Ion 43.00 (42.70 to 43.70): VF0

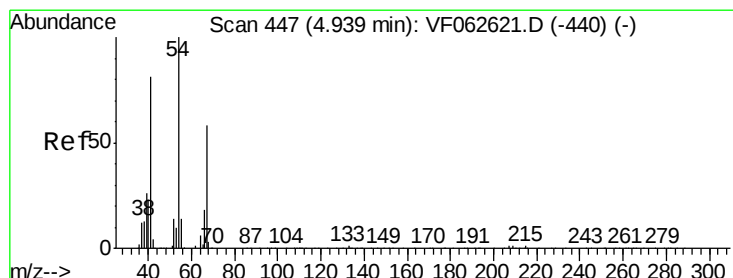
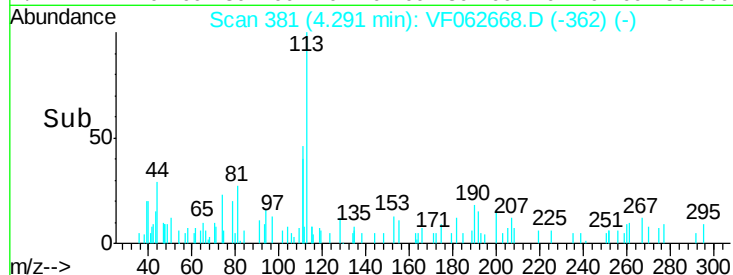
Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

4.29

4.28 4.29 4.30

Time-->



#41

Methacrylonitrile

Concen: 9.678 ug/l

RT: 4.96 min Scan# 449

Delta R.T. 0.02 min

Lab File: VF062668.D

Acq: 20 May 2019 18:45

Tgt Ion: 41 Resp: 1819

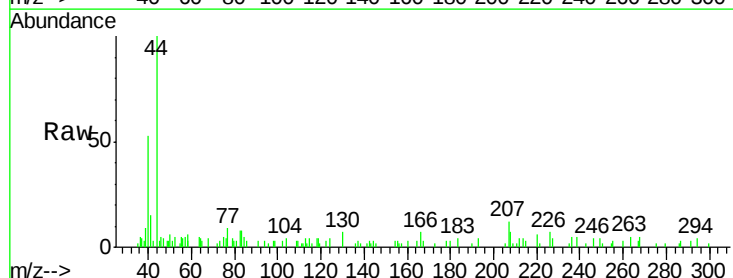
Ion Ratio Lower Upper

41 100

39 58.9 42.2 63.2

67 0.0 56.4 84.6#

52 31.7 38.8 58.2#



Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

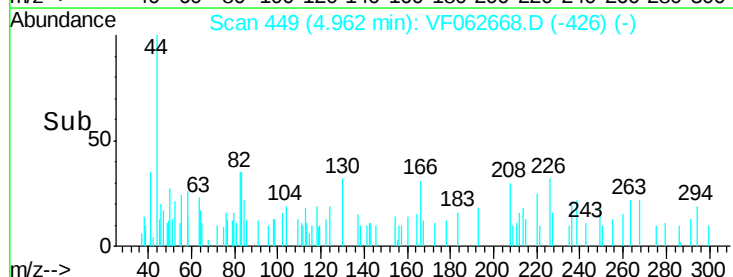
Ion 67.00 (66.70 to 67.70): VF0

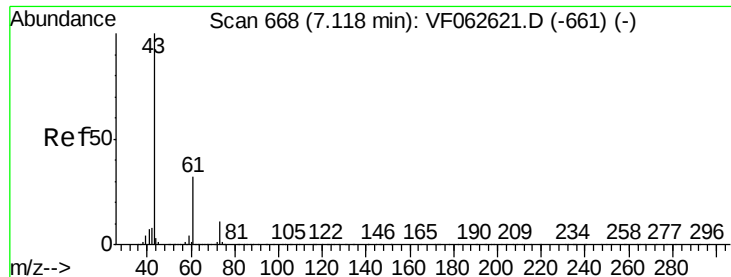
Ion 52.00 (51.70 to 52.70): VF0

4.96

4.90 4.95 5.00

Time-->





#43

Isopropyl Acetate

Concen: 1.391 ug/l

RT: 7.10 min Scan# 666

Delta R.T. -0.02 min

Lab File: VF062668.D

Acq: 20 May 2019 18:45

Instrument :

MSVOA_F

ClientSampleId :

RBR-251608

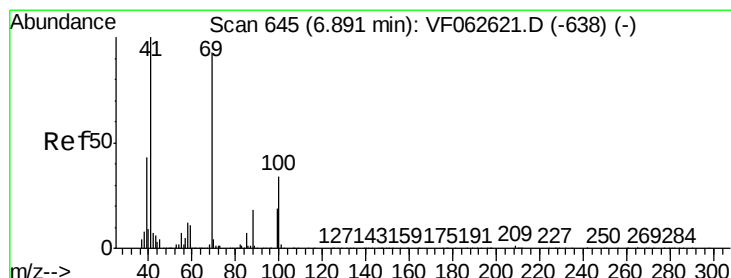
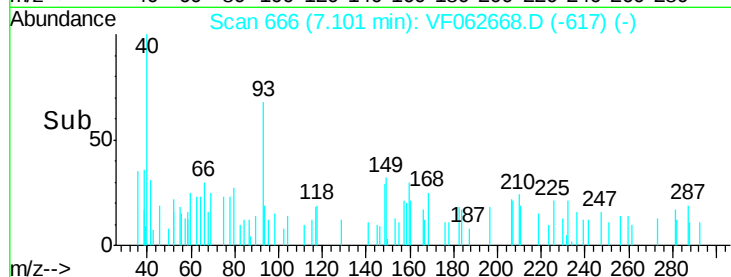
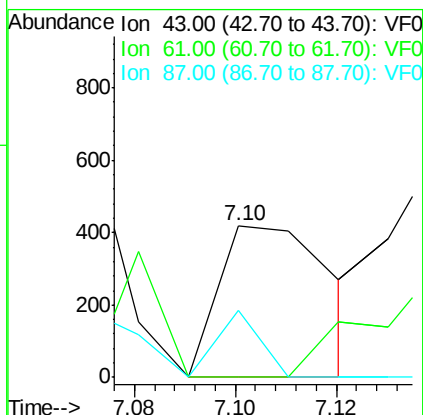
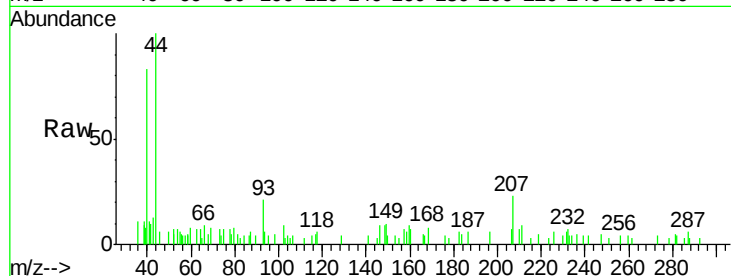
Tot Ion: 43 Resp: 646

Ion Ratio Lower Upper

43 100

61 0.0 25.8 38.8#

87 44.2 0.4 0.6#



#48

Methyl methacrylate

Concen: 4.754 ug/l

RT: 6.87 min Scan# 643

Delta R.T. -0.02 min

Lab File: VF062668.D

Acq: 20 May 2019 18:45

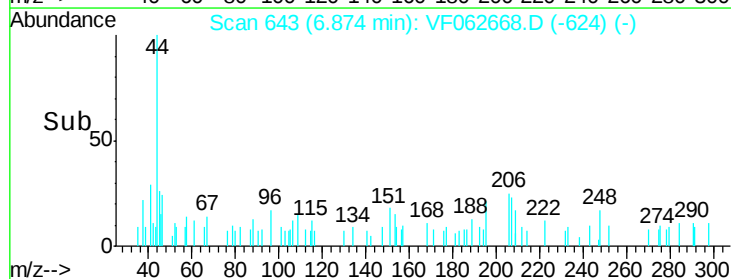
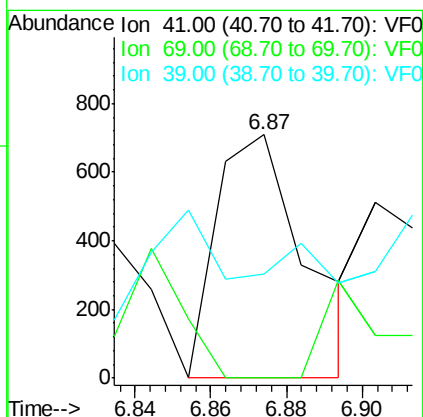
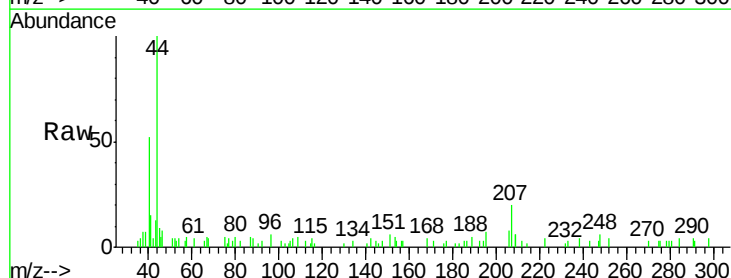
Tgt Ion: 41 Resp: 1154

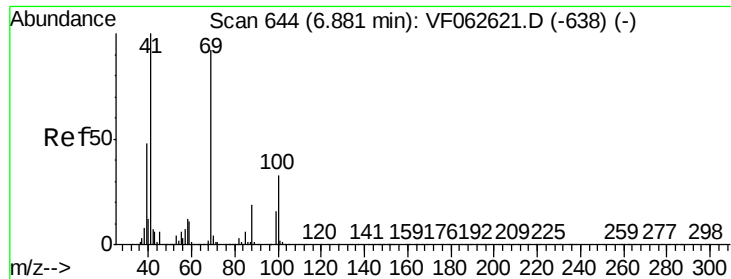
Ion Ratio Lower Upper

41 100

69 0.0 74.2 111.2#

39 43.0 34.2 51.4





#49

1,4-Dioxane

Concen: 38.273 ug/l

RT: 6.87 min Scan# 643

Delta R.T. -0.01 min

Lab File: VF062668.D

Acq: 20 May 2019 18:45

Instrument :

MSVOA_F

ClientSampleId :

RBR-251608

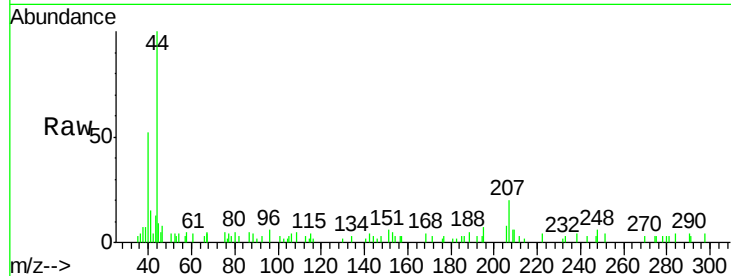
Tot Ion: 88 Resp: 119

Ion Ratio Lower Upper

88 100

43 305.0 30.0 45.0#

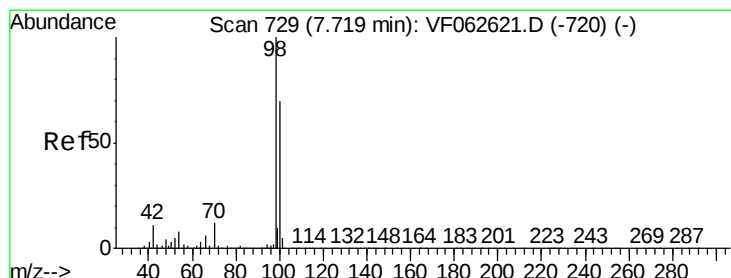
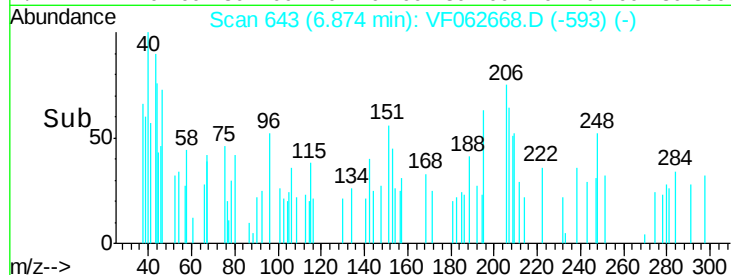
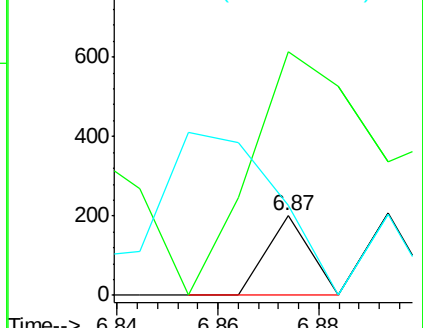
58 112.4 51.1 76.7#



Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#50

Toluene-d8

Concen: 1.021 ug/l

RT: 7.82 min Scan# 739

Delta R.T. 0.10 min

Lab File: VF062668.D

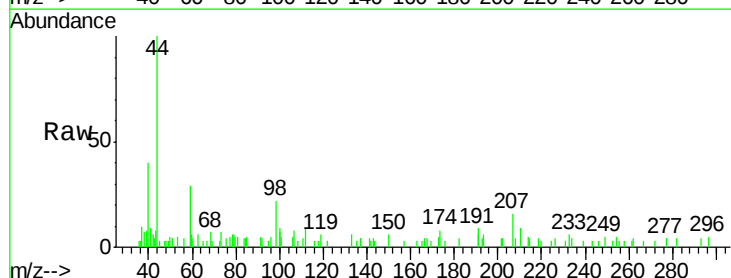
Acq: 20 May 2019 18:45

Tgt Ion: 98 Resp: 1598

Ion Ratio Lower Upper

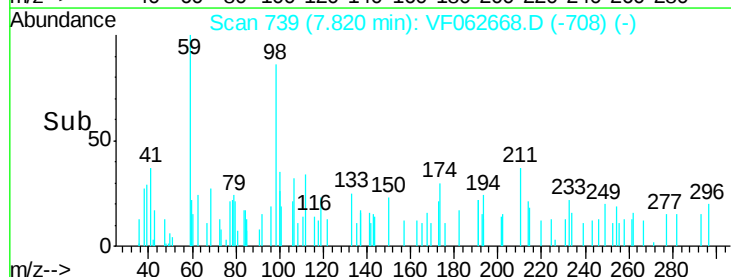
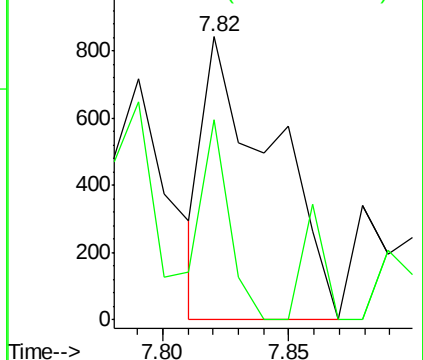
98 100

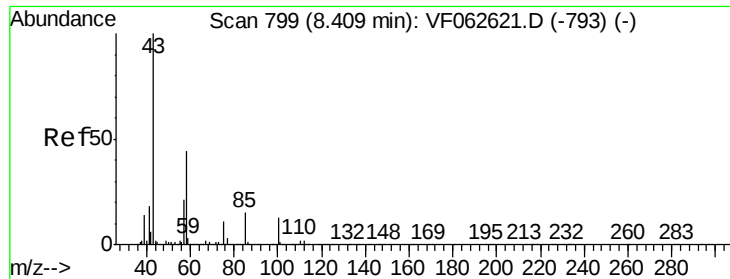
100 70.9 56.2 84.2



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 1.496 ug/l

RT: 8.42 min Scan# 800

Delta R.T. 0.01 min

Lab File: VF062668.D

Acq: 20 May 2019 18:45

Instrument :

MSVOA_F

ClientSampleId :

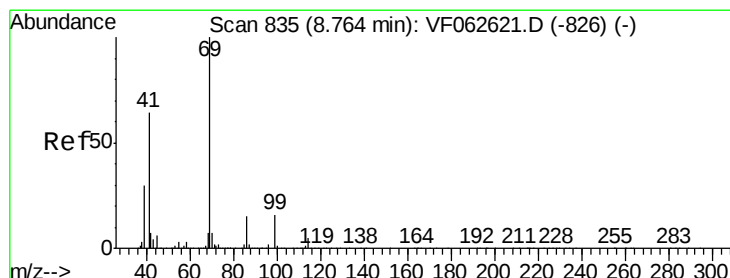
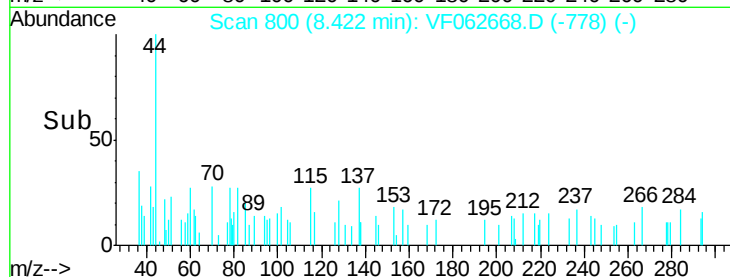
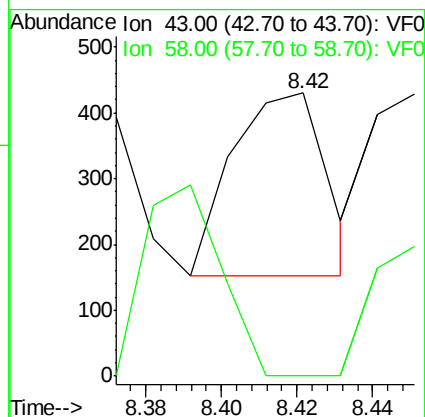
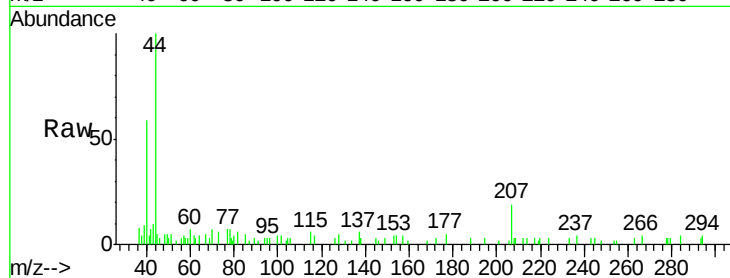
RBR-251608

Tot Ion: 43 Resp: 475

Ion Ratio Lower Upper

43 100

58 0.0 34.9 52.3#



#56

Ethyl methacrylate

Concen: 1.464 ug/l

RT: 8.75 min Scan# 833

Delta R.T. -0.02 min

Lab File: VF062668.D

Acq: 20 May 2019 18:45

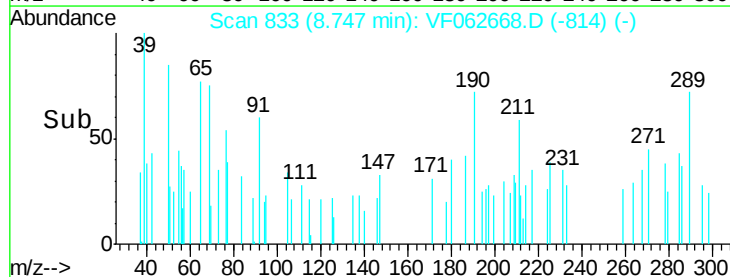
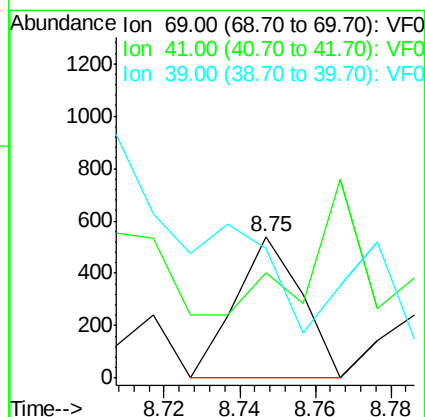
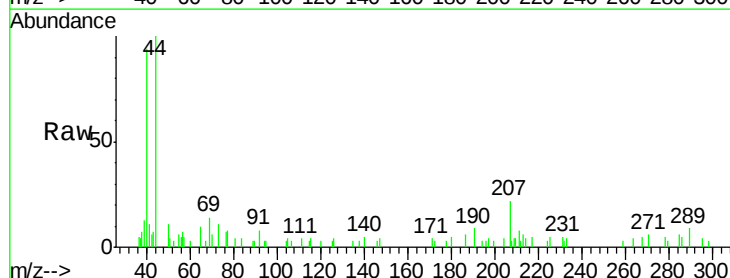
Tgt Ion: 69 Resp: 648

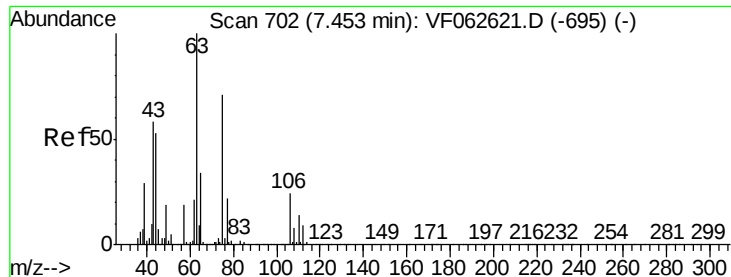
Ion Ratio Lower Upper

69 100

41 74.5 51.4 77.2

39 91.9 23.6 35.4#

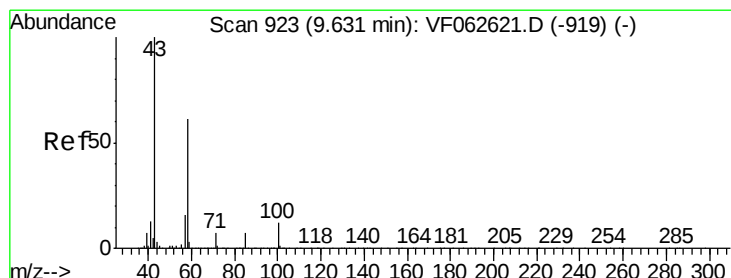
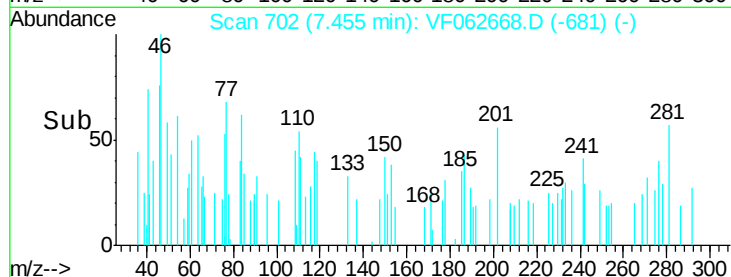
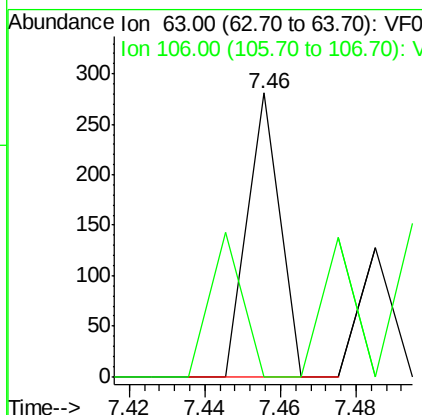
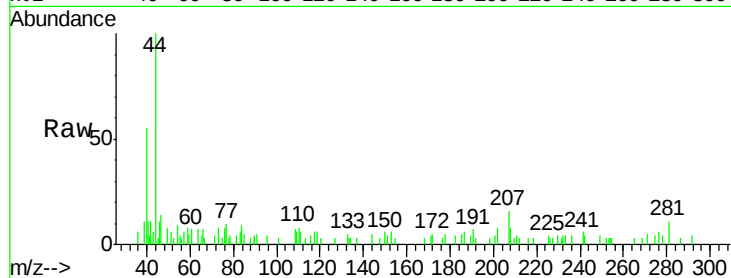




#58
 2-Chloroethyl Vinyl ether
 Concen: 1.152 ug/l
 RT: 7.46 min Scan# 702
 Delta R.T. 0.00 min
 Lab File: VF062668.D
 Acq: 20 May 2019 18:45

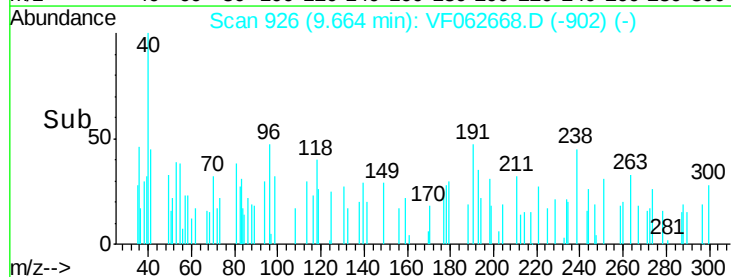
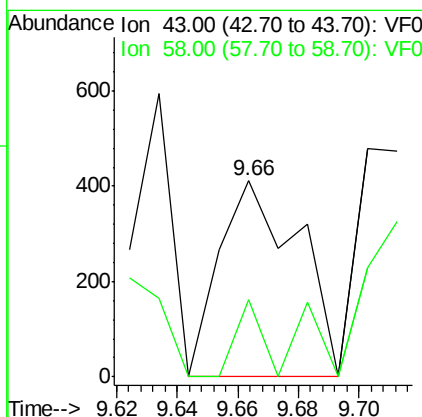
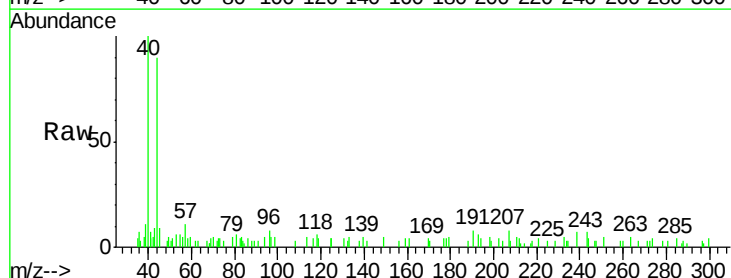
Instrument :
 MSVOA_F
 ClientSampleId :
 RBR-251608

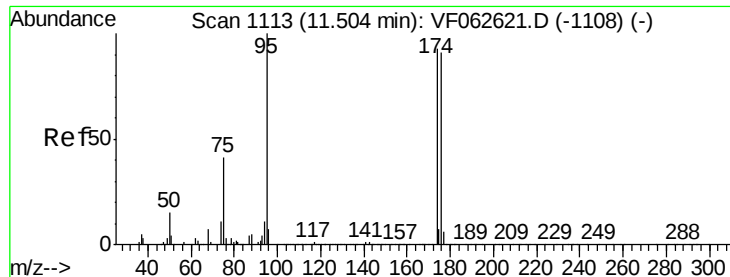
Tot Ion: 63 Resp: 166
 Ion Ratio Lower Upper
 63 100
 106 0.0 19.1 28.7#



#59
 2-Hexanone
 Concen: Below Cal
 RT: 9.66 min Scan# 926
 Delta R.T. 0.03 min
 Lab File: VF062668.D
 Acq: 20 May 2019 18:45

Tgt Ion: 43 Resp: 749
 Ion Ratio Lower Upper
 43 100
 58 39.2 28.1 84.4





#62

4-Bromofluorobenzene

Concen: 10.693 ug/l

RT: 11.50 min Scan# 1112

Delta R.T. -0.01 min

Lab File: VF062668.D

Acq: 20 May 2019 18:45

Instrument :

MSVOA_F

ClientSampleId :

RBR-251608

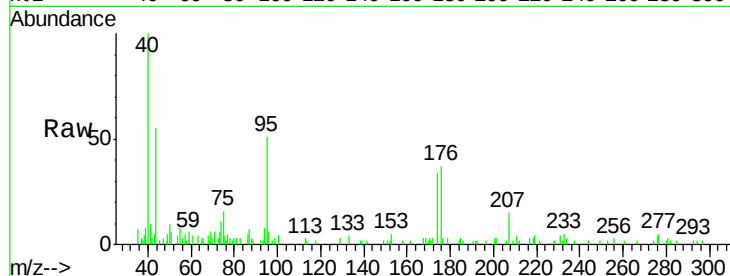
Tot Ion: 95 Resp: 6349

Ion Ratio Lower Upper

95 100

174 67.1 0.0 185.6

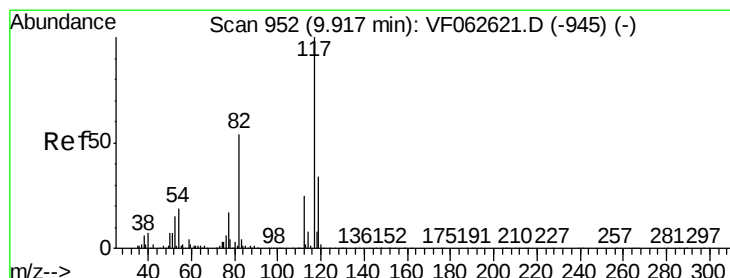
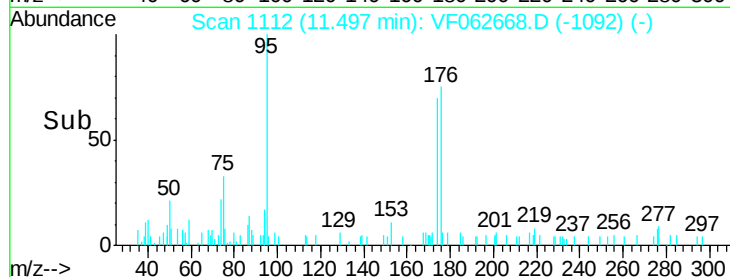
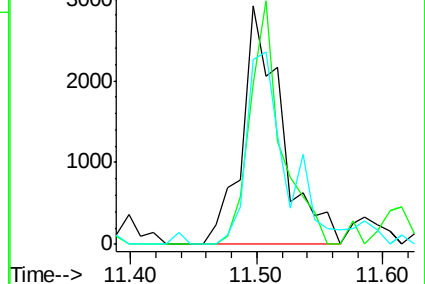
176 77.1 0.0 182.4



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): VF0

Ion 176.00 (175.70 to 176.70): VF0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.92 min Scan# 952

Delta R.T. 0.00 min

Lab File: VF062668.D

Acq: 20 May 2019 18:45

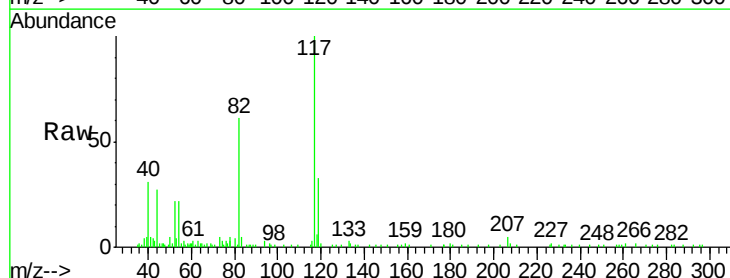
Tgt Ion: 117 Resp: 37061

Ion Ratio Lower Upper

117 100

82 61.1 43.3 64.9

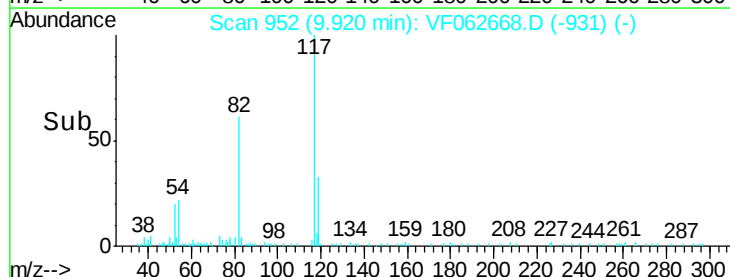
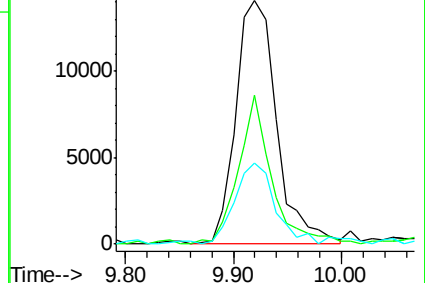
119 33.2 27.4 41.0

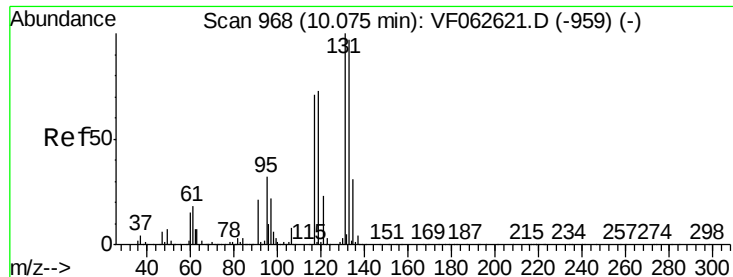


Abundance Ion 117.00 (116.70 to 117.70): VF0

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): VF0





#66

1,1,1,2-Tetrachloroethane

Concen: 1.208 ug/l

RT: 10.18 min Scan# 978

Delta R.T. 0.10 min

Lab File: VF062668.D

Acq: 20 May 2019 18:45

Instrument :

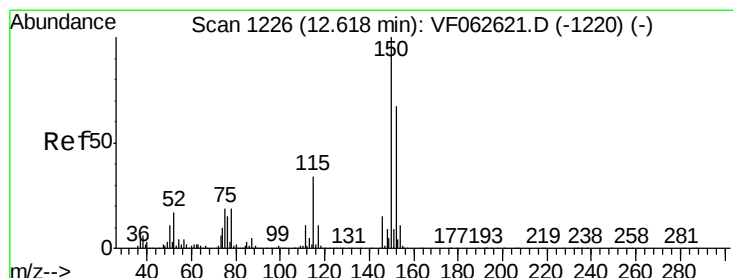
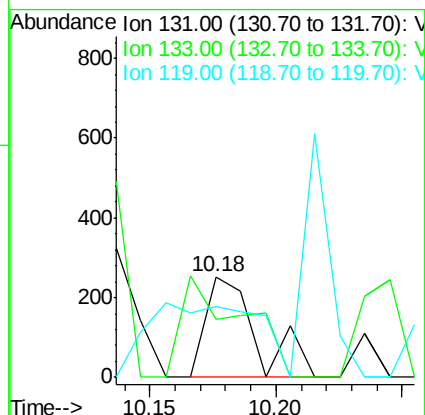
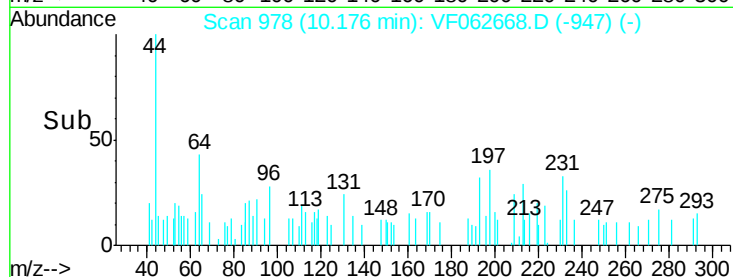
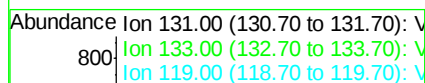
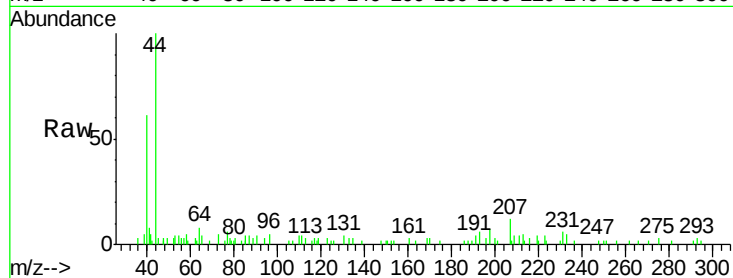
MSVOA_F

ClientSampleId :

RBR-251608

Tot Ion:131 Resp: 353

Ion	Ratio	Lower	Upper
131	100		
133	58.1	48.5	145.5
119	70.8	36.8	110.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.62 min Scan# 1226

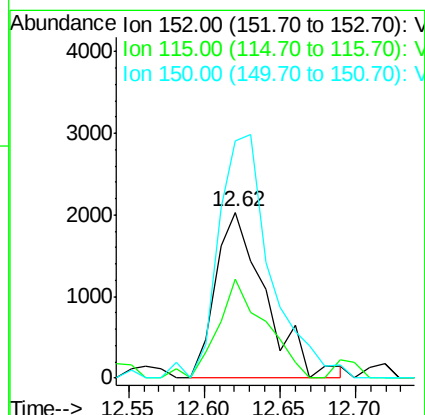
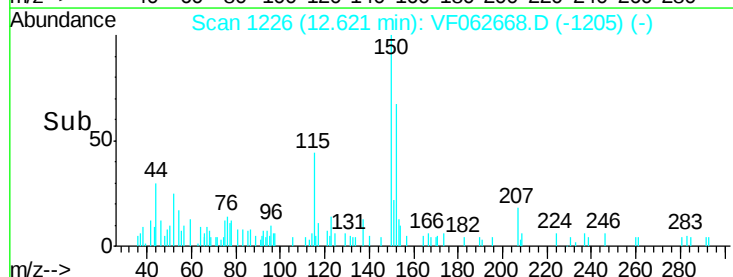
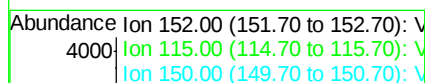
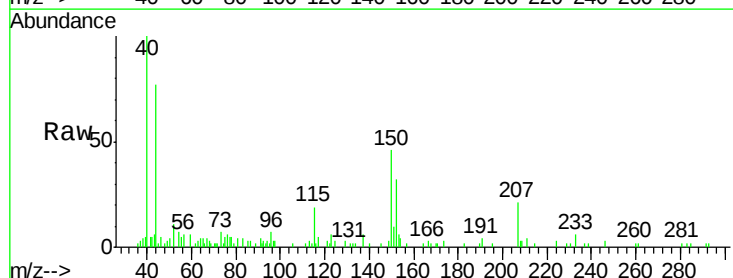
Delta R.T. 0.00 min

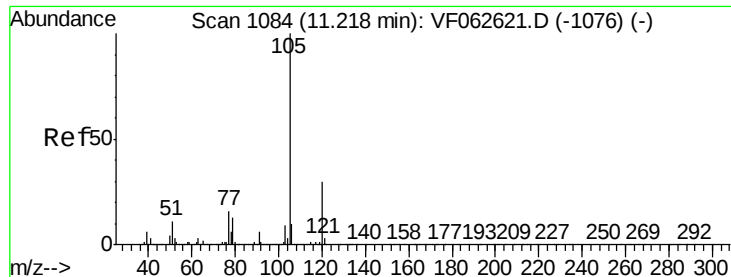
Lab File: VF062668.D

Acq: 20 May 2019 18:45

Tgt Ion:152 Resp: 4694

Ion	Ratio	Lower	Upper
152	100		
115	60.1	25.2	75.6
150	143.2	0.0	306.2





#73

Isopropylbenzene

Concen: 1.064 ug/l

RT: 11.20 min Scan# 1082

Delta R.T. -0.02 min

Lab File: VF062668.D

Acq: 20 May 2019 18:45

Instrument :

MSVOA_F

ClientSampleId :

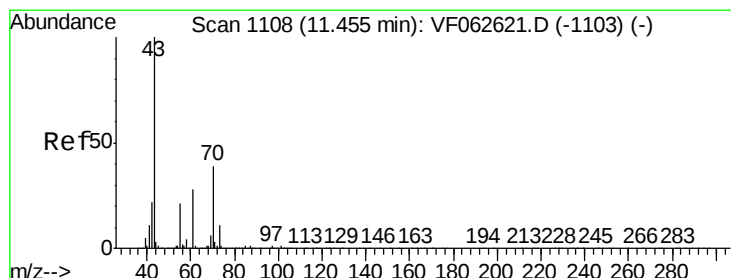
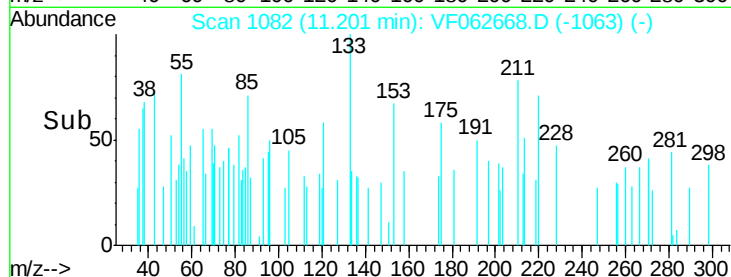
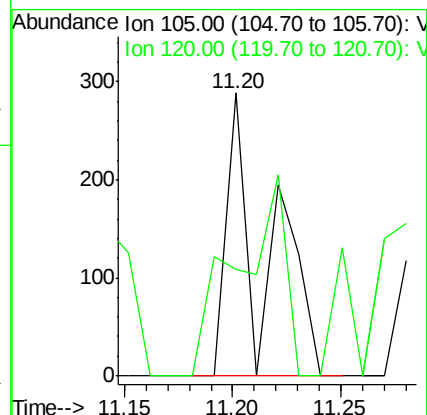
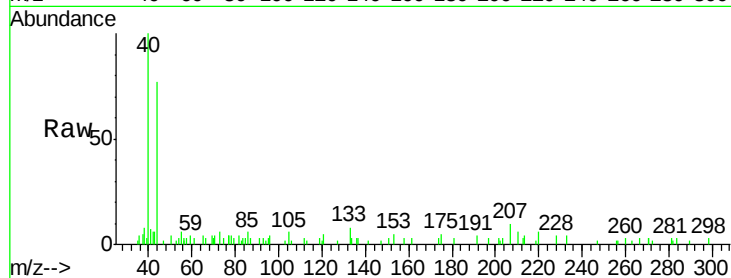
RBR-251608

Tot Ion:105 Resp: 358

Ion Ratio Lower Upper

105 100

120 37.5 14.8 44.4



#74

N-ethyl acetate

Concen: 6.103 ug/l

RT: 11.46 min Scan# 1108

Delta R.T. 0.00 min

Lab File: VF062668.D

Acq: 20 May 2019 18:45

Tgt Ion: 43 Resp: 928

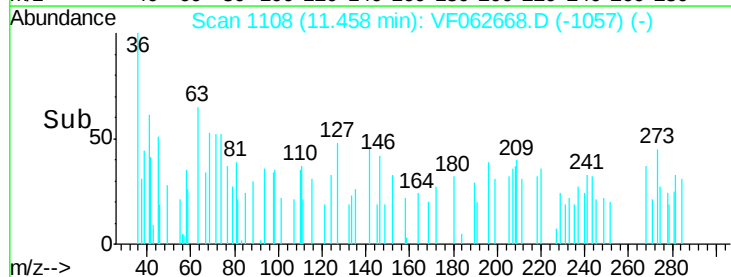
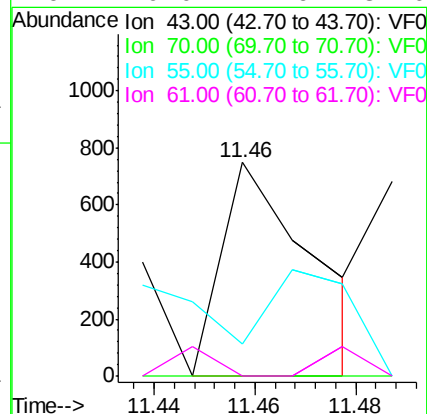
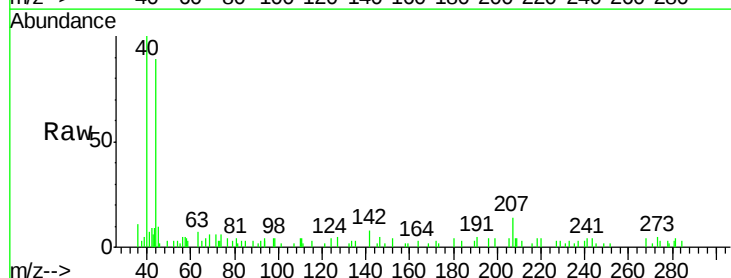
Ion Ratio Lower Upper

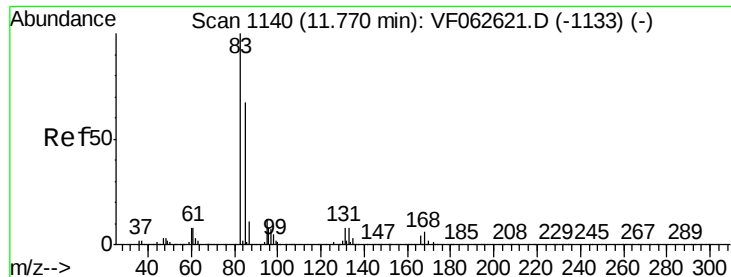
43 100

70 0.0 30.9 46.3#

55 15.0 17.0 25.4#

61 0.0 22.6 34.0#





#75

1,1,2,2-Tetrachloroethane

Concen: 5.469 ug/l

RT: 11.76 min Scan# 1139

Delta R.T. -0.01 min

Lab File: VF062668.D

Acq: 20 May 2019 18:45

Instrument :

MSVOA_F

ClientSampleId :

RBR-251608

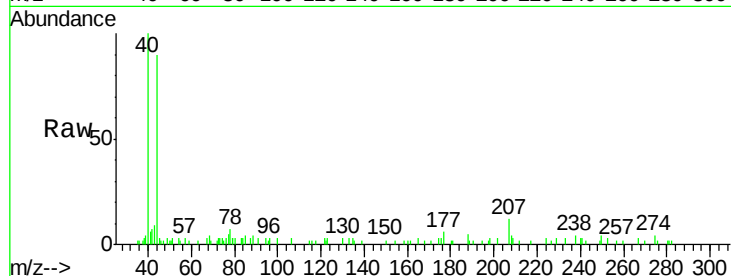
Tot Ion: 83 Resp: 376

Ion Ratio Lower Upper

83 100

131 0.0 4.0 12.0#

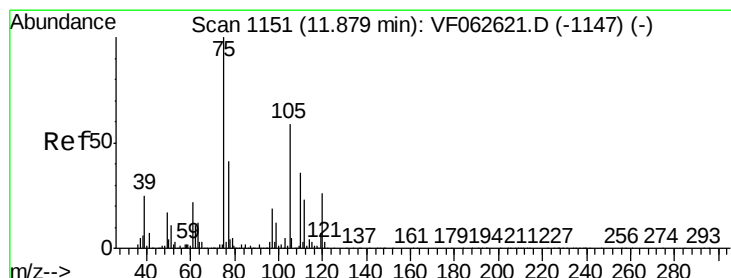
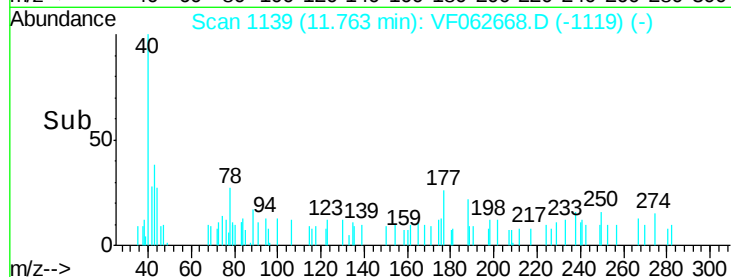
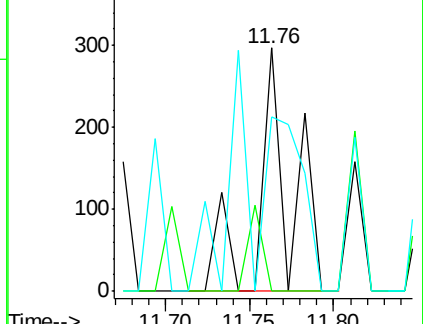
85 71.7 33.5 100.5



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): VF0

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 5.357 ug/l

RT: 12.01 min Scan# 1164

Delta R.T. 0.13 min

Lab File: VF062668.D

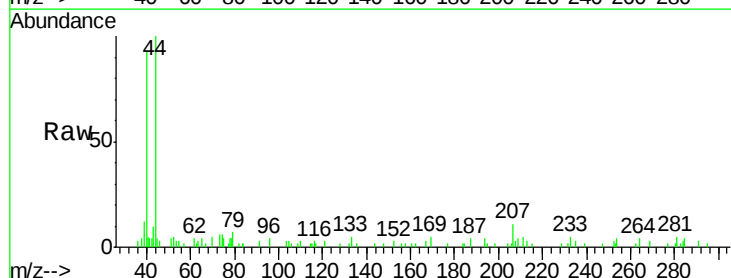
Acq: 20 May 2019 18:45

Tgt Ion: 75 Resp: 242

Ion Ratio Lower Upper

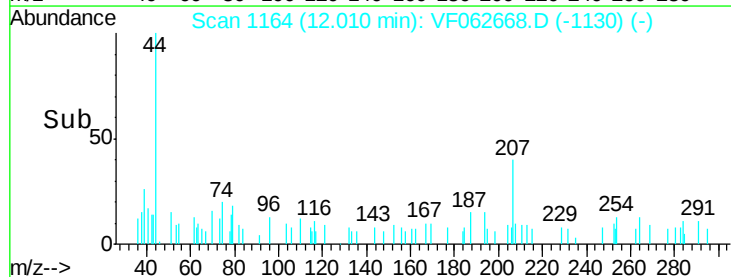
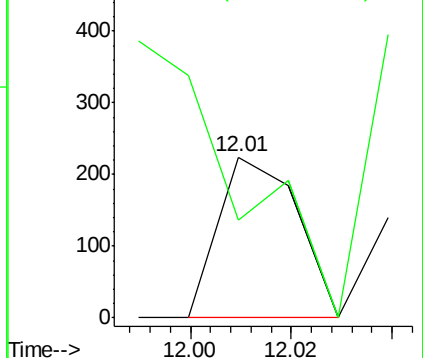
75 100

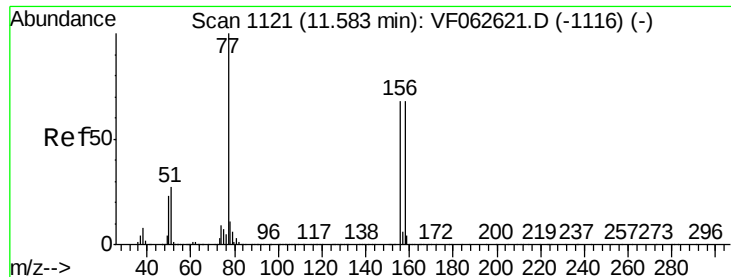
77 61.2 20.6 61.8



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 1.208 ug/l

RT: 11.63 min Scan# 1125

Delta R.T. 0.04 min

Lab File: VF062668.D

Acq: 20 May 2019 18:45

Instrument :

MSVOA_F

ClientSampleId :

RBR-251608

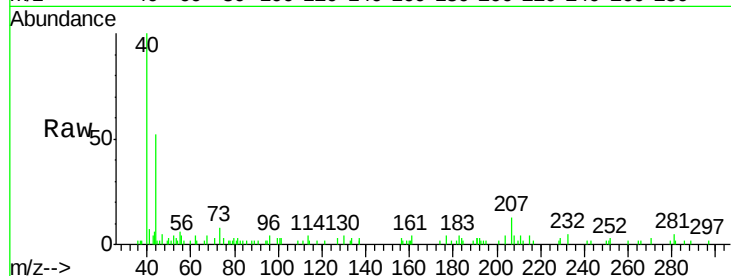
Tot Ion:156 Resp: 101

Ion Ratio Lower Upper

156 100

77 87.6 73.6 220.8

158 68.2 49.6 148.8



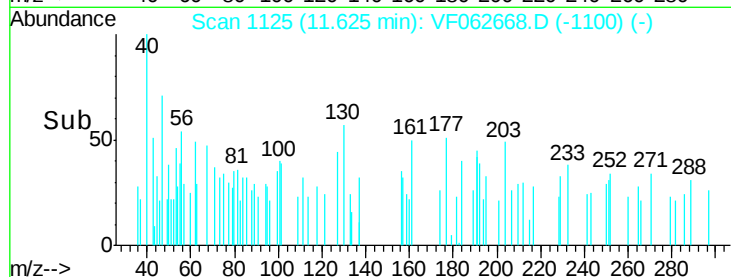
Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

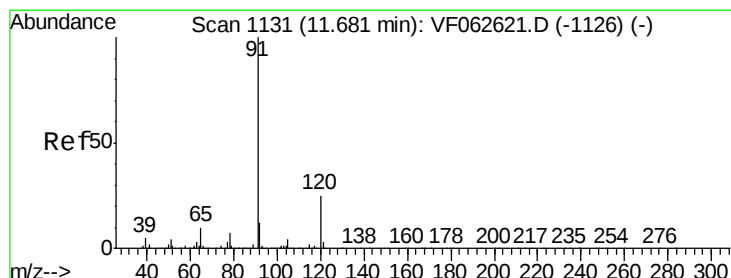
Ion 158.00 (157.70 to 158.70): V

11.63

Time-->



Time-->



#78

n-propylbenzene

Concen: 1.896 ug/l

RT: 11.68 min Scan# 1131

Delta R.T. 0.00 min

Lab File: VF062668.D

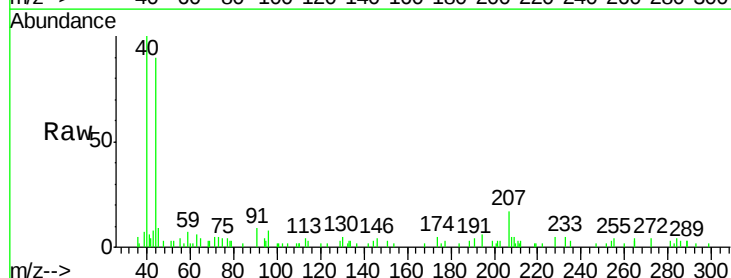
Acq: 20 May 2019 18:45

Tgt Ion: 91 Resp: 755

Ion Ratio Lower Upper

91 100

120 21.7 12.7 38.1

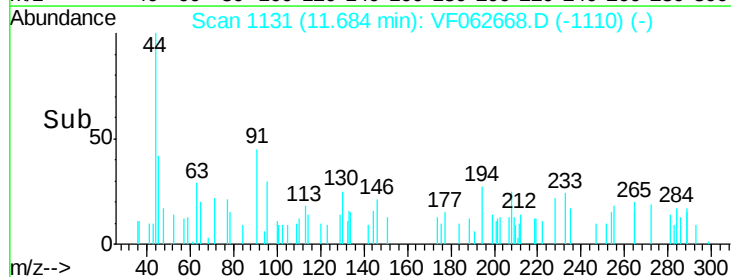


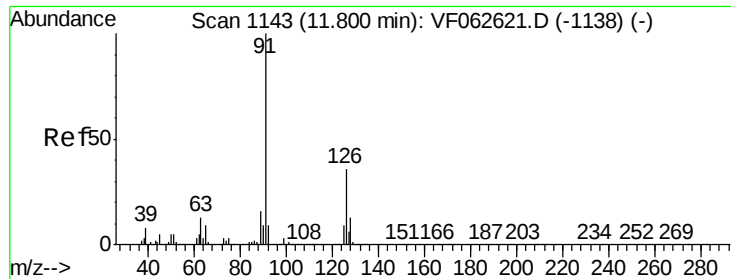
Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

11.68

Time-->





#79

2-Chlorotoluene

Concen: 1.243 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VF062668.D

Acq: 20 May 2019 18:45

Instrument :

MSVOA_F

ClientSampled :

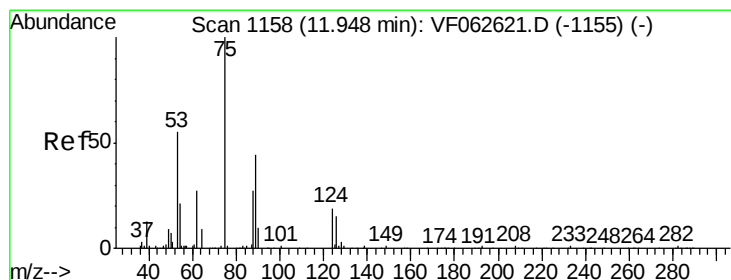
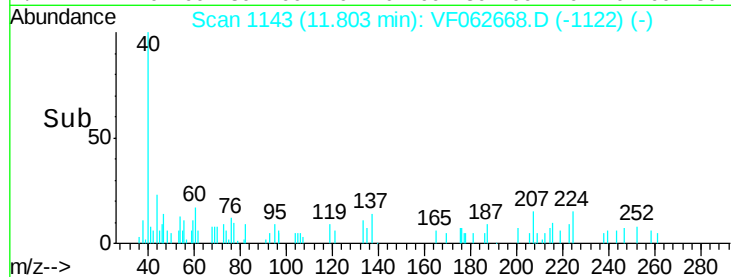
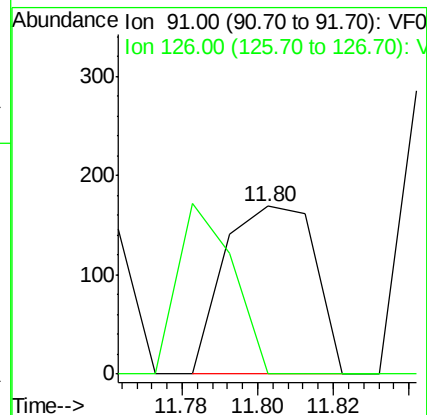
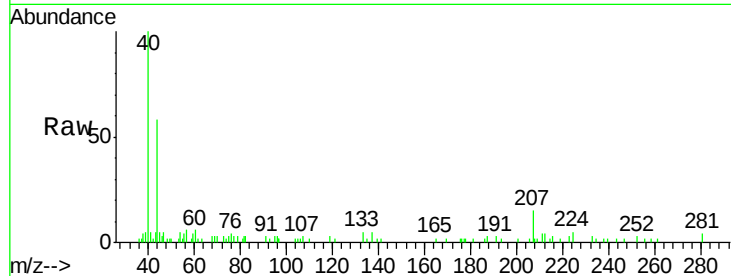
RBR-251608

Tot Ion: 91 Resp: 279

Ion Ratio Lower Upper

91 100

126 0.0 18.1 54.4#



#81

trans-1,4-Dichloro-2-butene

Concen: 18.675 ug/l

RT: 11.95 min Scan# 1158

Delta R.T. 0.00 min

Lab File: VF062668.D

Acq: 20 May 2019 18:45

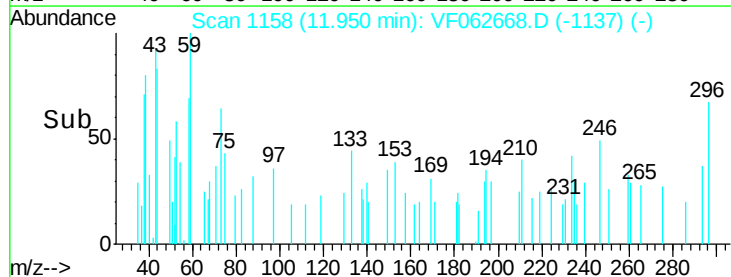
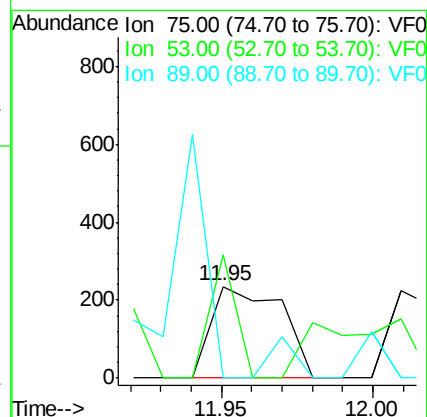
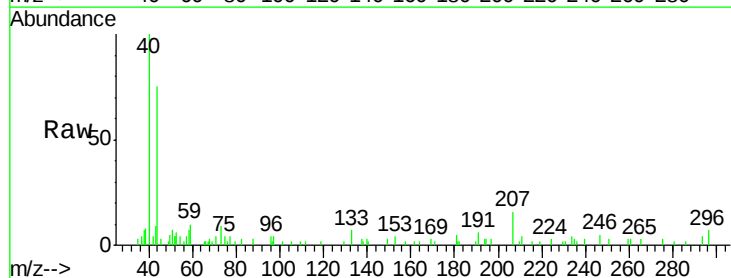
Tgt Ion: 75 Resp: 375

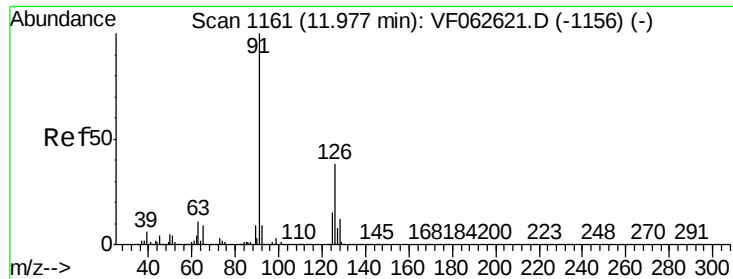
Ion Ratio Lower Upper

75 100

53 134.9 46.9 70.3#

89 0.0 36.4 54.6#





#82

4-Chlorotoluene

Concen: 1.600 ug/l

RT: 11.98 min Scan# 1161

Delta R.T. 0.00 min

Lab File: VF062668.D

Acq: 20 May 2019 18:45

Instrument :

MSVOA_F

ClientSampleId :

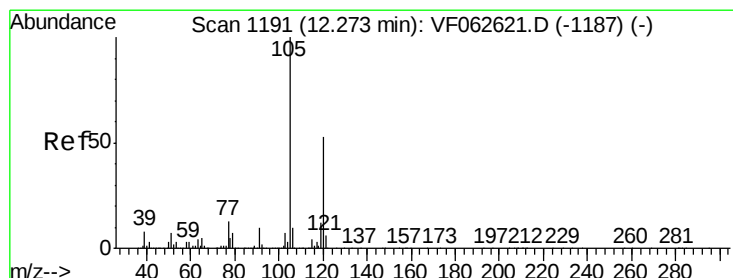
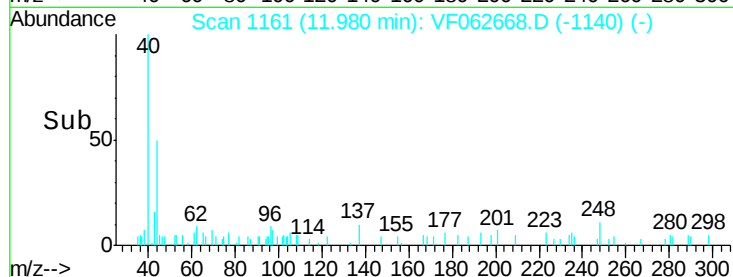
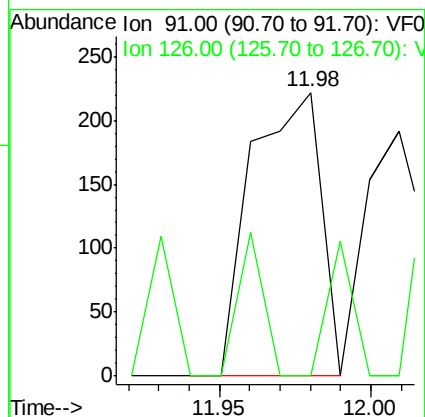
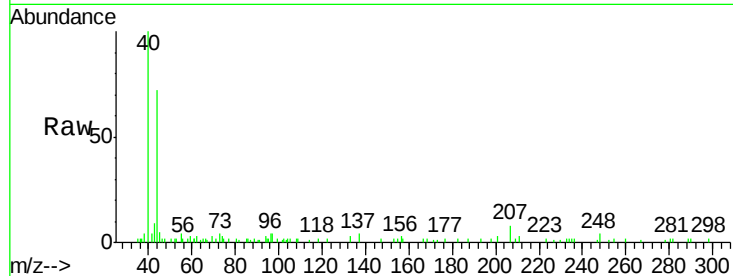
RBR-251608

Tot Ion: 91 Resp: 354

Ion Ratio Lower Upper

91 100

126 0.0 19.1 57.1#



#84

1,2,4-Trimethylbenzene

Concen: 2.781 ug/l

RT: 12.27 min Scan# 1190

Delta R.T. -0.01 min

Lab File: VF062668.D

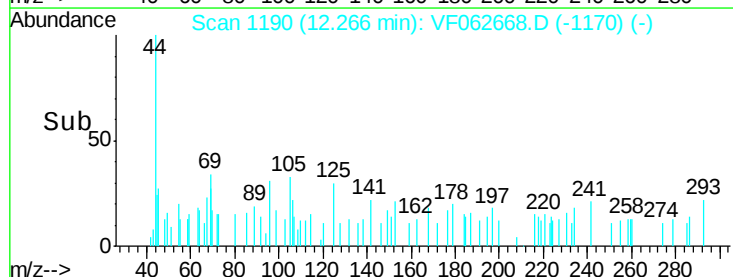
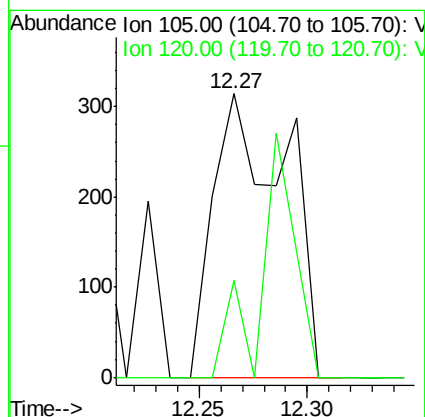
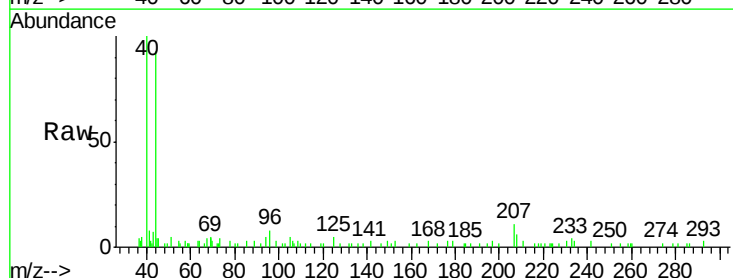
Acq: 20 May 2019 18:45

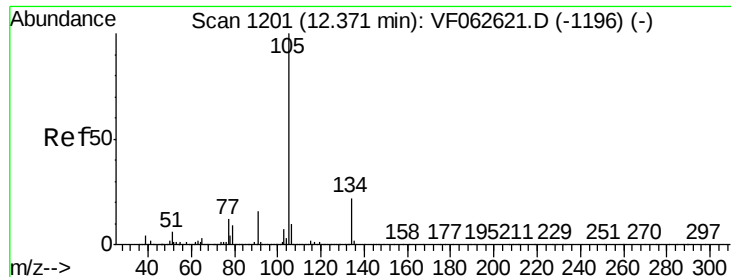
Tgt Ion: 105 Resp: 726

Ion Ratio Lower Upper

105 100

120 34.4 26.7 80.1





#85

sec-Butylbenzene

Concen: 1.122 ug/l

RT: 12.38 min Scan# 1202

Delta R.T. 0.01 min

Lab File: VF062668.D

Acq: 20 May 2019 18:45

Instrument :

MSVOA_F

ClientSampleId :

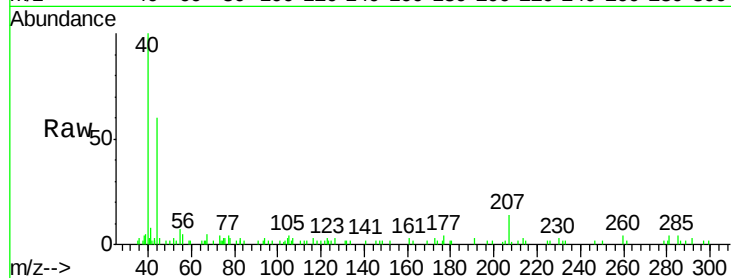
RBR-251608

Tot Ion:105 Resp: 412

Ion Ratio Lower Upper

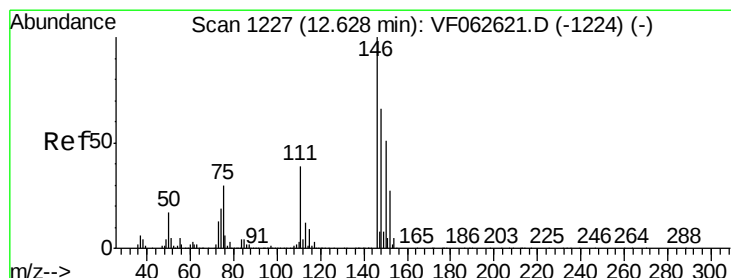
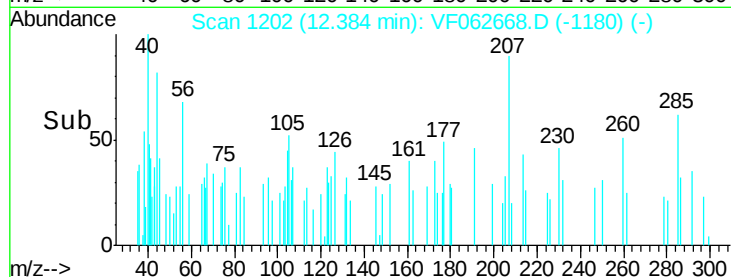
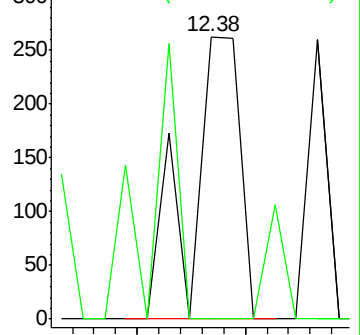
105 100

134 0.0 10.8 32.4#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#88

1,4-Dichlorobenzene

Concen: 1.056 ug/l

RT: 12.63 min Scan# 1227

Delta R.T. 0.00 min

Lab File: VF062668.D

Acq: 20 May 2019 18:45

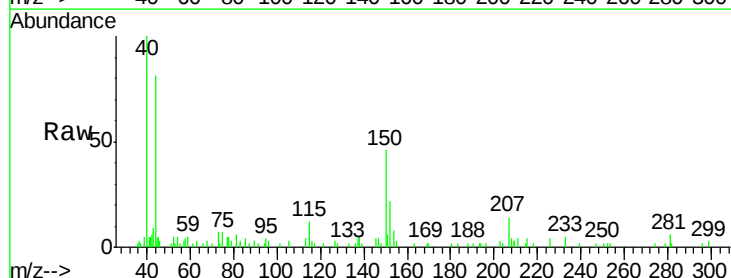
Tgt Ion:146 Resp: 150

Ion Ratio Lower Upper

146 100

111 0.0 19.4 58.2#

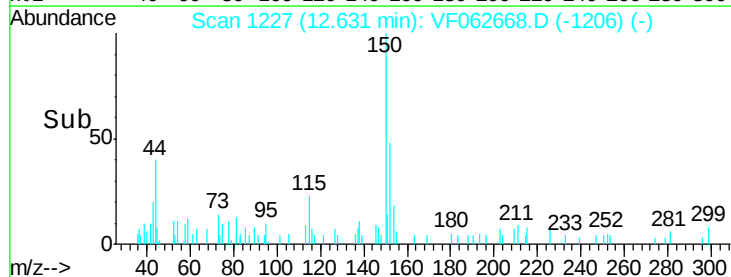
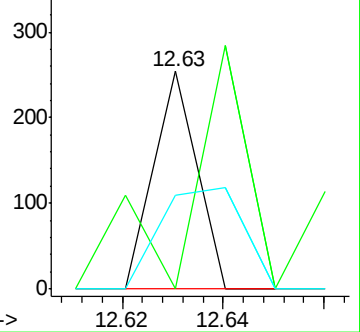
148 22.0 33.2 99.6#

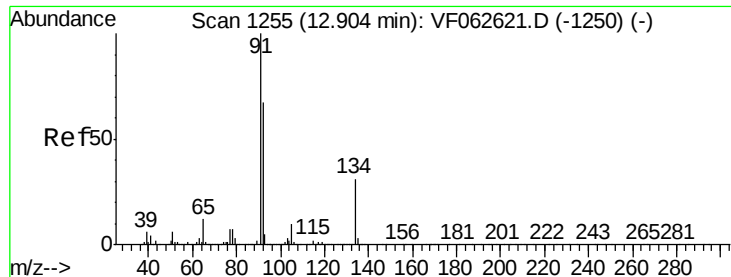


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#89

n-Butylbenzene

Concen: 1.399 ug/l

RT: 12.93 min Scan# 1257

Delta R.T. 0.02 min

Lab File: VF062668.D

Acq: 20 May 2019 18:45

Instrument :

MSVOA_F

ClientSampled :

RBR-251608

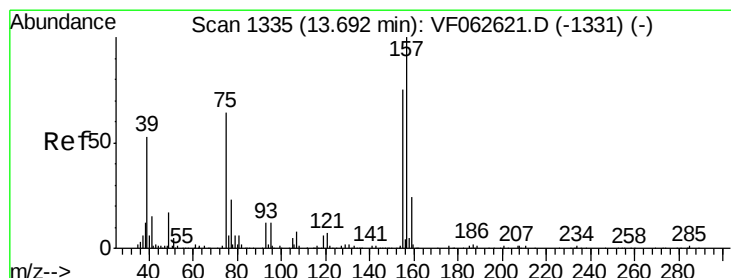
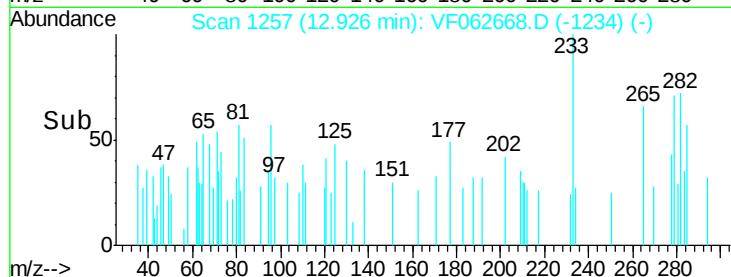
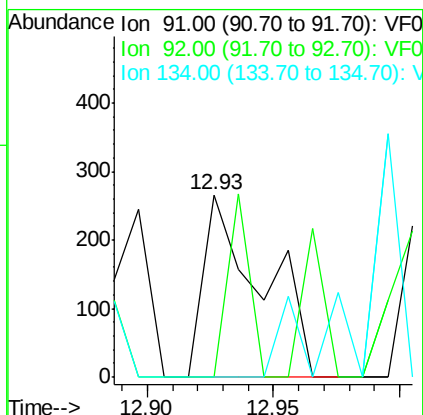
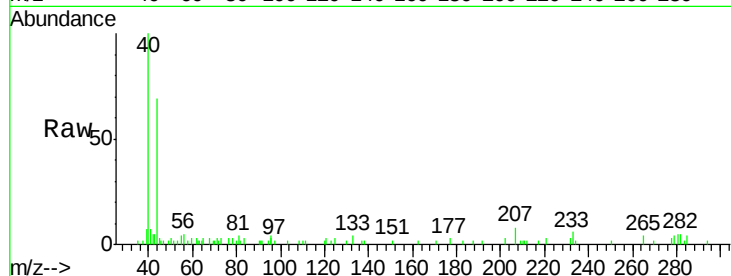
Tot Ion: 91 Resp: 427

Ion Ratio Lower Upper

91 100

92 0.0 33.3 99.8#

134 0.0 15.4 46.4#



#92

1,2-Dibromo-3-Chloropropane

Concen: 67.910 ug/l

RT: 13.71 min Scan# 1337

Delta R.T. 0.02 min

Lab File: VF062668.D

Acq: 20 May 2019 18:45

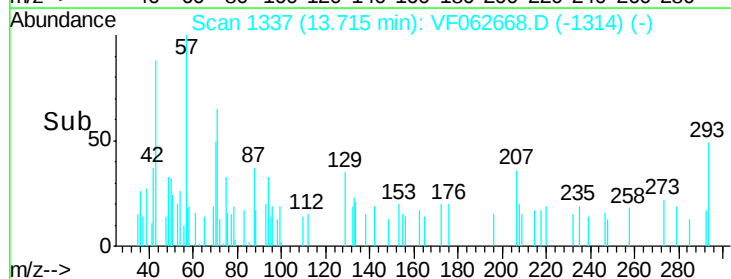
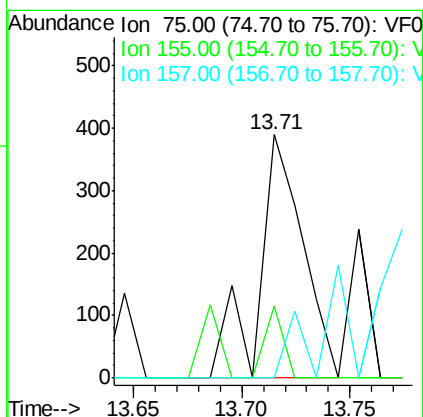
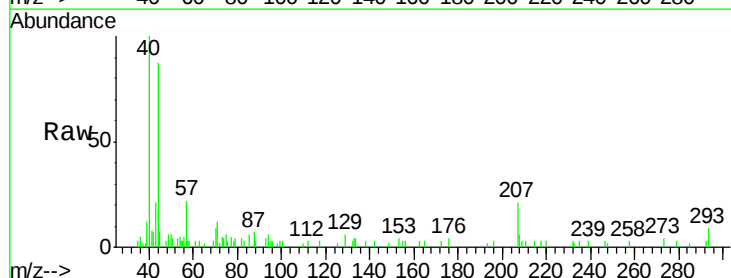
Tgt Ion: 75 Resp: 557

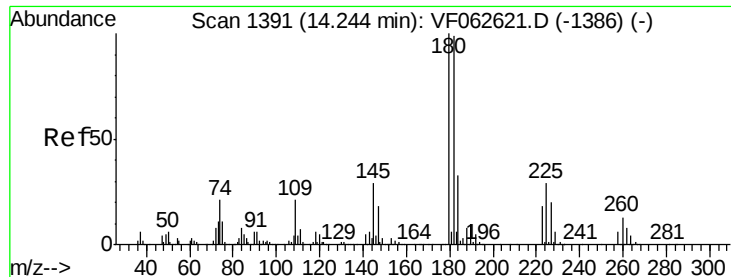
Ion Ratio Lower Upper

75 100

155 29.7 58.1 174.3#

157 0.0 77.8 233.4#

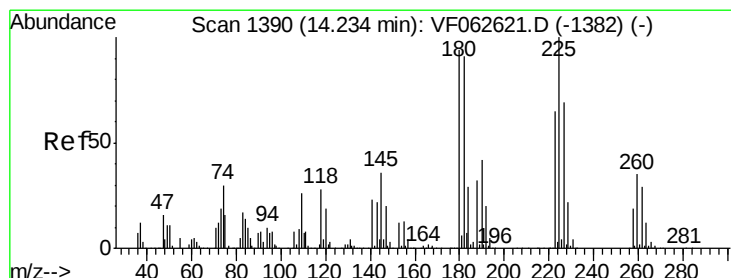
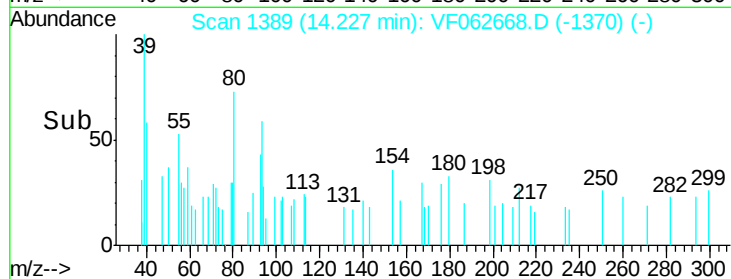
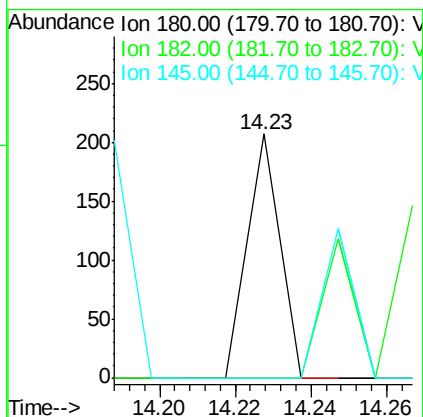
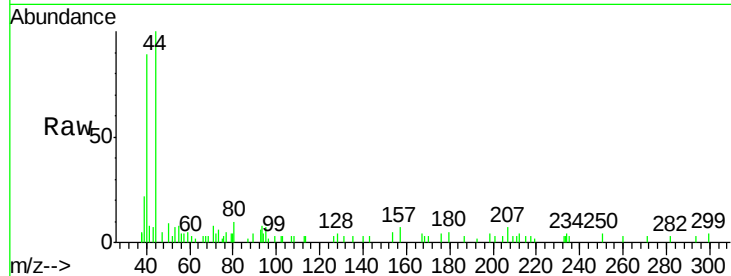




#93
 1,2,4-Trichlorobenzene
 Concen: 1.264 ug/l
 RT: 14.23 min Scan# 1389
 Delta R.T. -0.02 min
 Lab File: VF062668.D
 Acq: 20 May 2019 18:45

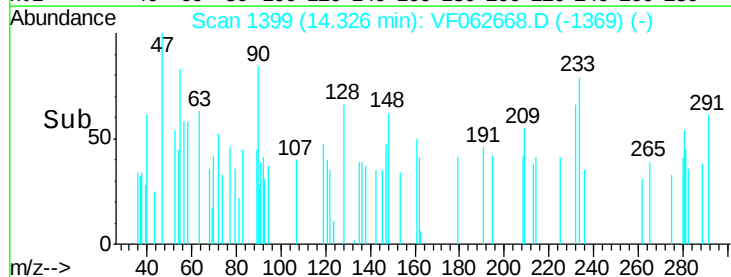
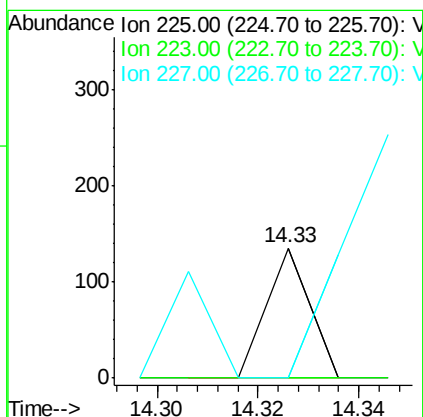
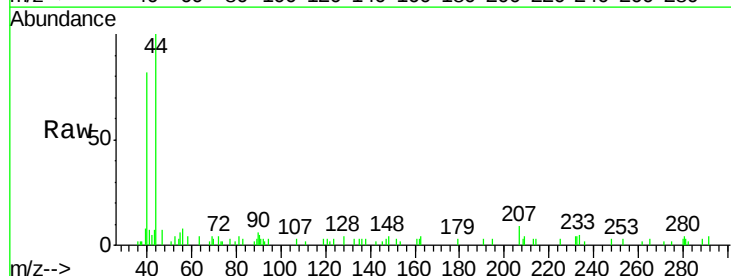
Instrument :
 MSVOA_F
 ClientSampled :
 RBR-251608

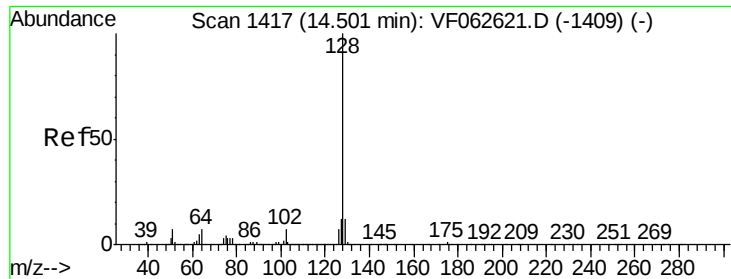
Tot Ion	Ratio	Lower	Upper
180	100		
182	0.0	49.7	149.1#
145	0.0	14.6	44.0#



#94
 Hexachlorobutadiene
 Concen: 1.187 ug/l
 RT: 14.33 min Scan# 1399
 Delta R.T. 0.09 min
 Lab File: VF062668.D
 Acq: 20 May 2019 18:45

Tgt Ion	Ratio	Lower	Upper
225	100		
223	0.0	32.5	97.4#
227	0.0	34.5	103.5#





#95

Naphthalene

Concen: 1.243 ug/l

RT: 14.48 min Scan# 1415

Delta R.T. -0.02 min

Lab File: VF062668.D

Acq: 20 May 2019 18:45

Instrument :

MSVOA_F

ClientSampleId :

RBR-251608

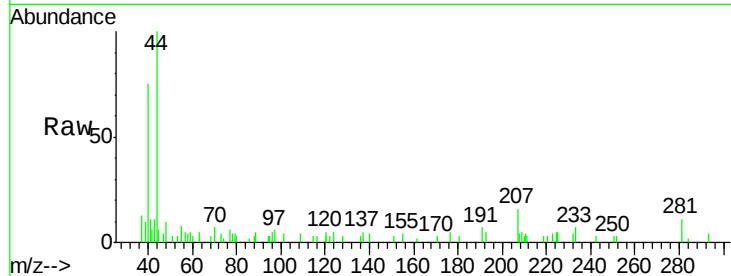
Tot Ion:128 Resp: 218

Ion Ratio Lower Upper

128 100

127 0.0 9.7 14.5#

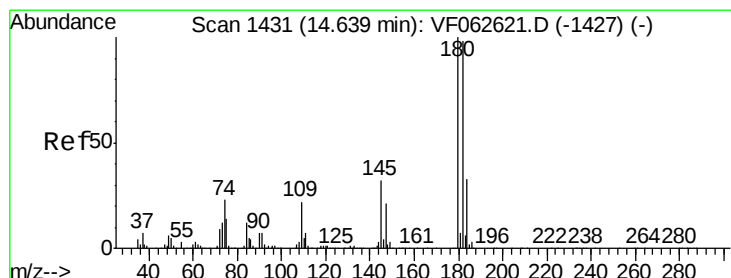
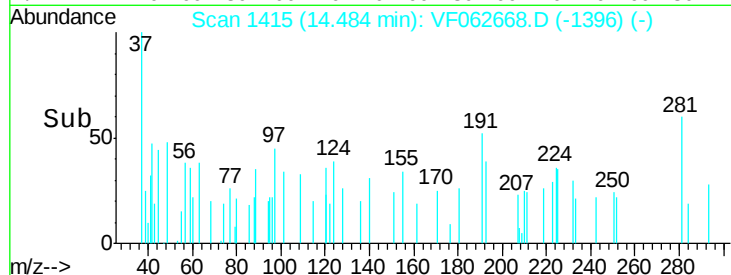
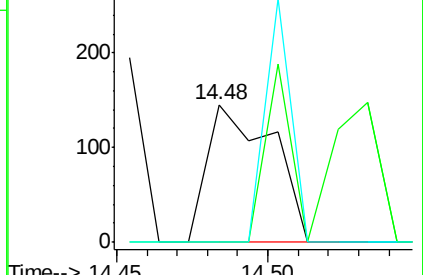
129 0.0 9.3 13.9#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 1.575 ug/l

RT: 14.60 min Scan# 1427

Delta R.T. -0.04 min

Lab File: VF062668.D

Acq: 20 May 2019 18:45

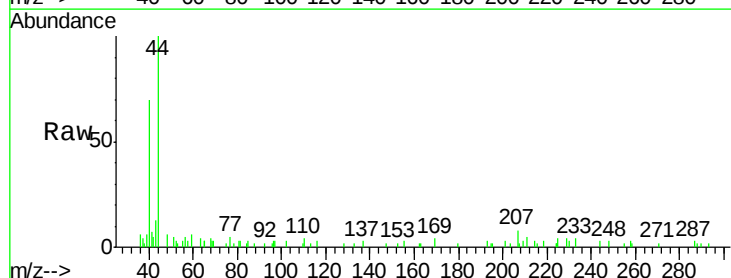
Tgt Ion:180 Resp: 144

Ion Ratio Lower Upper

180 100

182 0.0 48.9 146.7#

145 0.0 16.1 48.2#



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

