

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	R.T.	QIon	Response	Conc	Units	Dev(Min)
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	R.T.	QIon	Response	Conc	Units	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

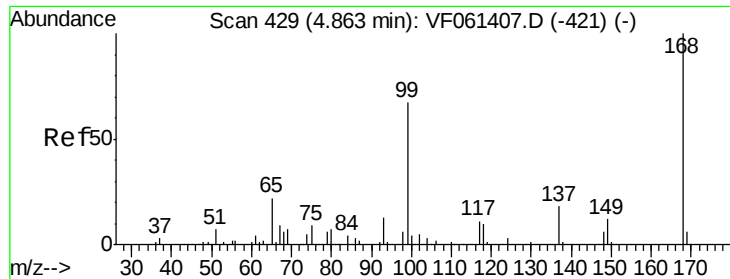
Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF020719\
Data File : VF061550.D
Acq On : 7 Feb 2019 17:42
Operator : VA/AP
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Quant Time: Feb 09 04:35:50 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
Quant Title : SW846 8260
QLast Update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

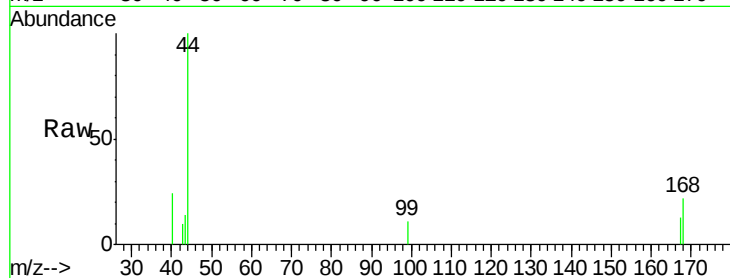
RBR-200052

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

Ion 99.00 (98.70 to 99.70): VF0

4.88

250

200

150

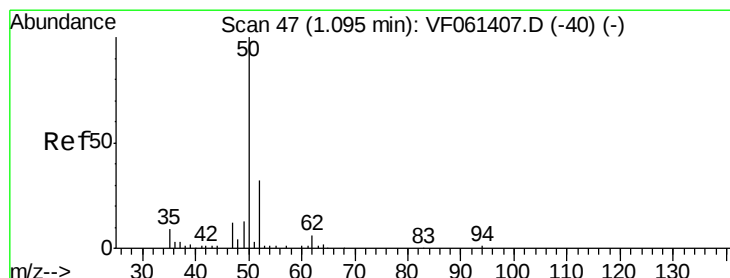
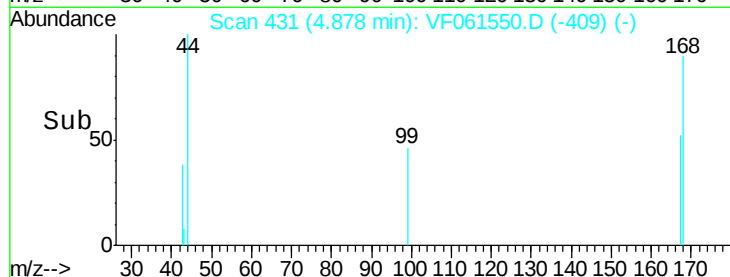
100

50

0

Time-->

4.80 4.85 4.90 4.95



#3

Chloromethane

Concen: 6.151 ug/l

RT: 1.11 min Scan# 49

Delta R.T. 0.01 min

Lab File: VF061550.D

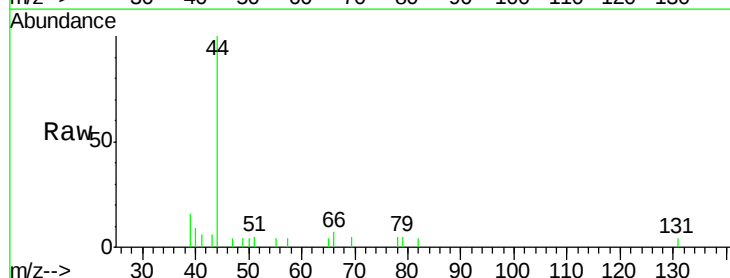
Acq: 7 Feb 2019 17:42

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

Ion 52.00 (51.70 to 52.70): VF0

150

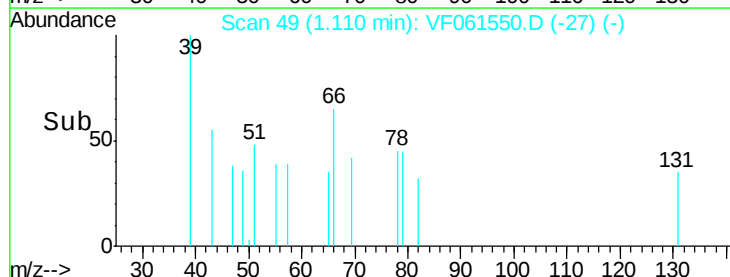
100

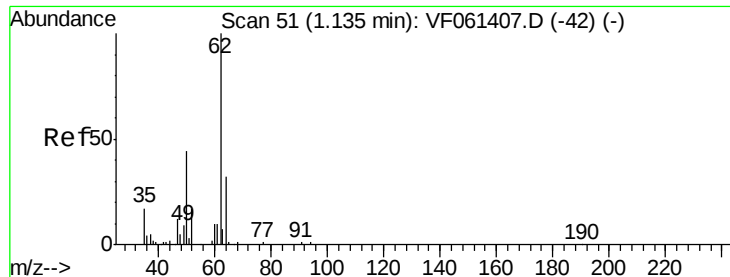
50

0

Time-->

1.10 1.12 1.14





#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 :

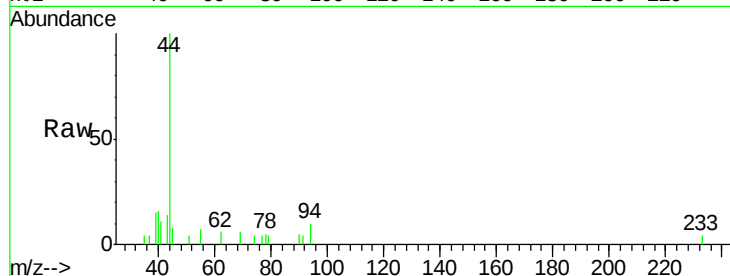
RBR-200052

Tot Ion: 62 Resp: 154

Ion Ratio Lower Upper

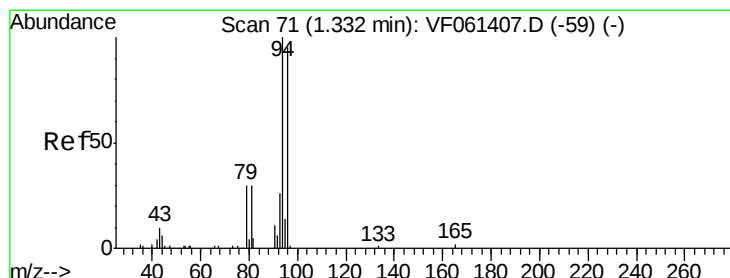
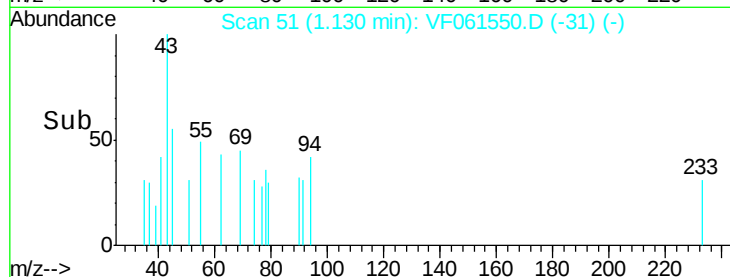
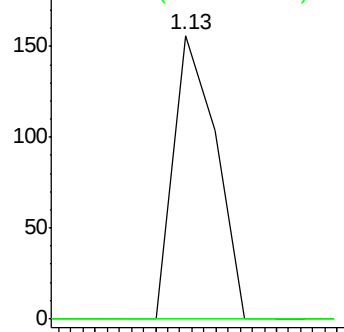
62 100

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

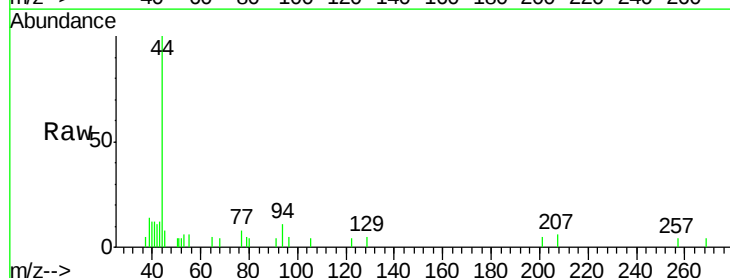
Acq: 7 Feb 2019 17:42

Tgt Ion: 94 Resp: 420

Ion Ratio Lower Upper

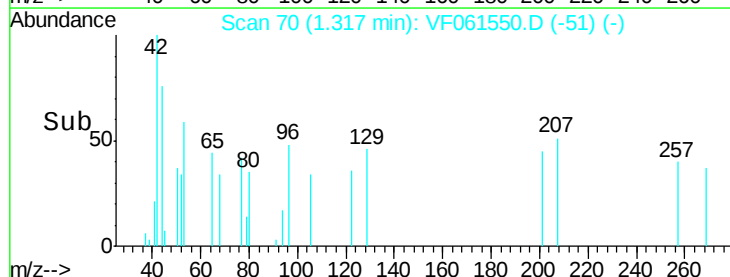
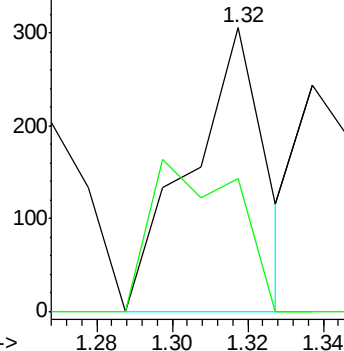
94 100

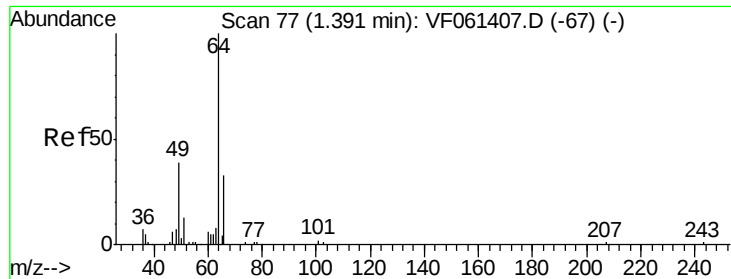
96 46.7 76.0 114.0#



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 :

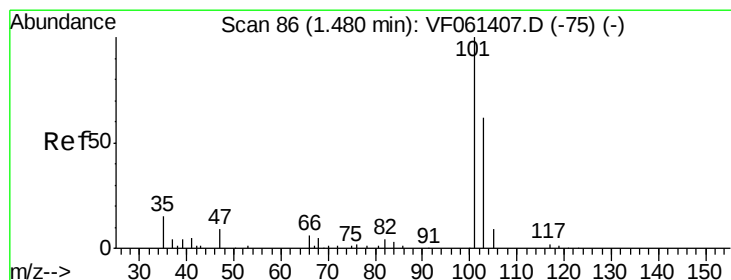
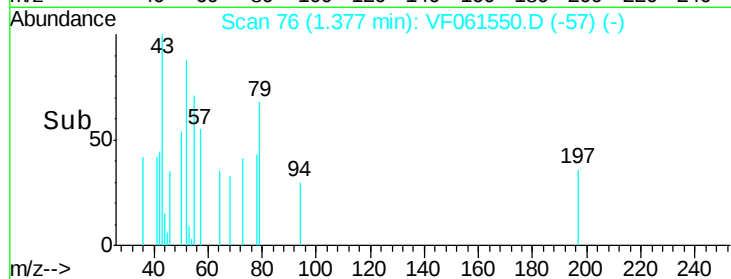
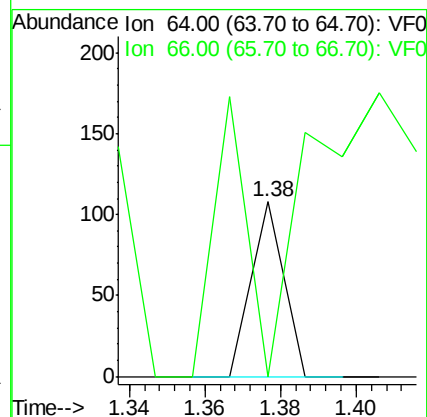
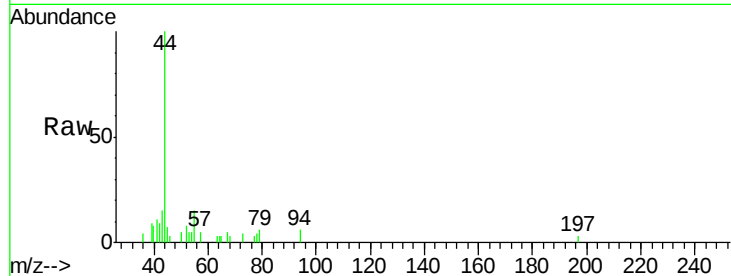
RBR-200052

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

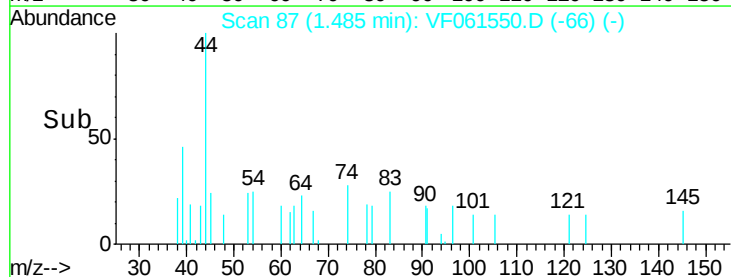
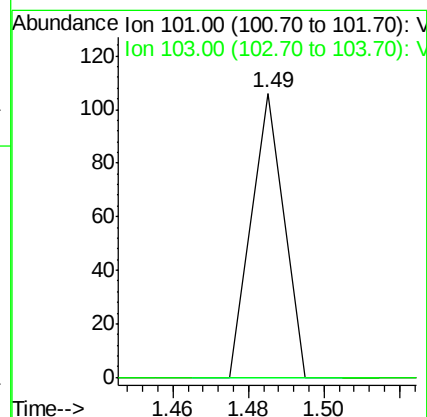
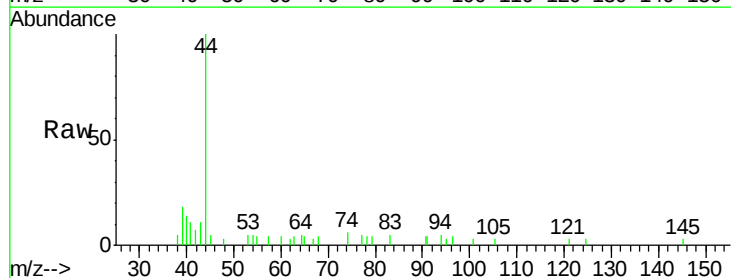
Acq: 7 Feb 2019 17:42

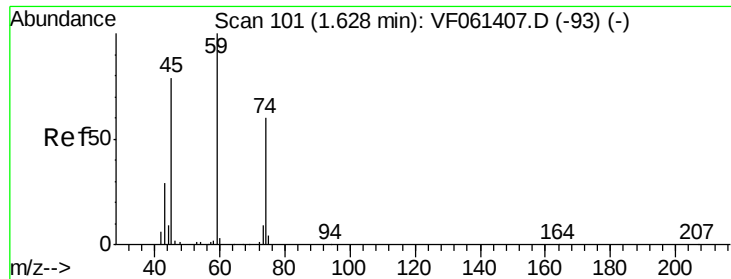
Tgt Ion: 101 Resp: 63

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

ClientSampleId :

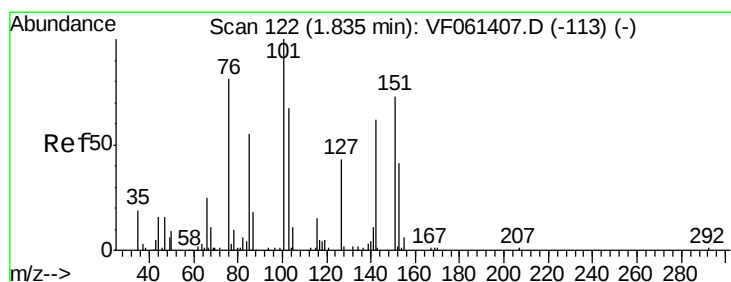
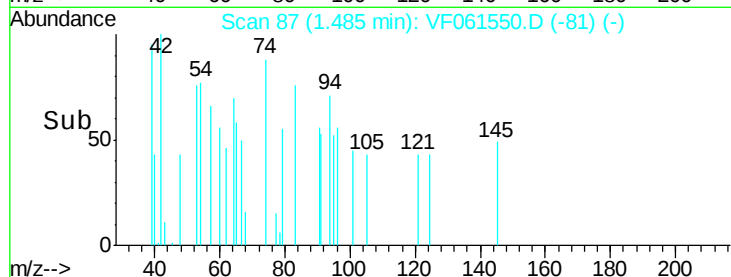
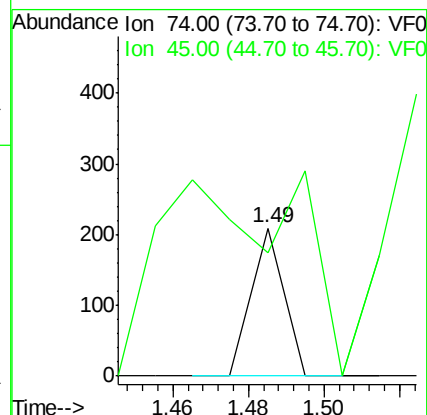
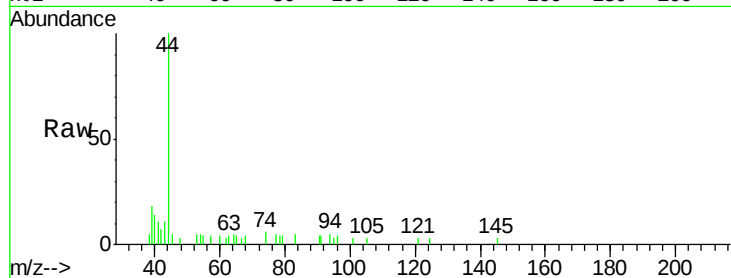
RBR-200052

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

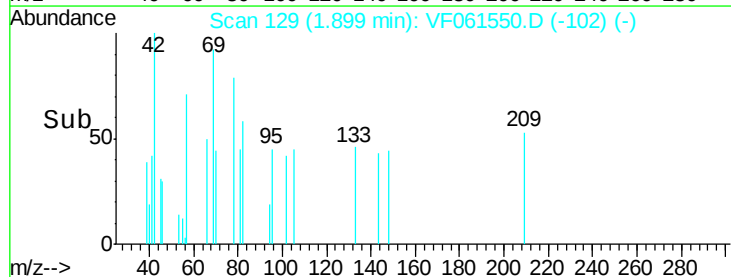
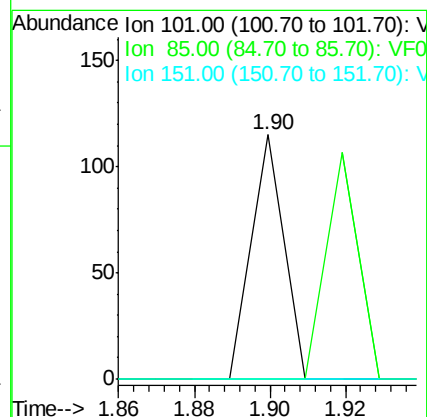
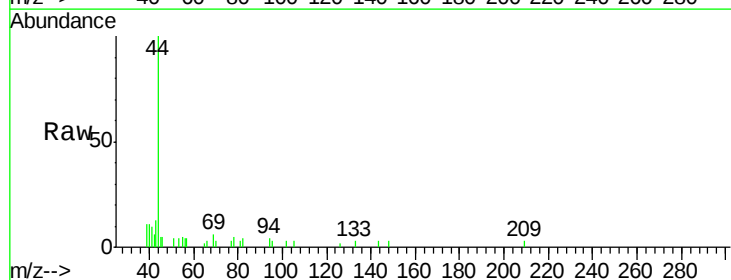
Tgt Ion: 101 Resp: 68

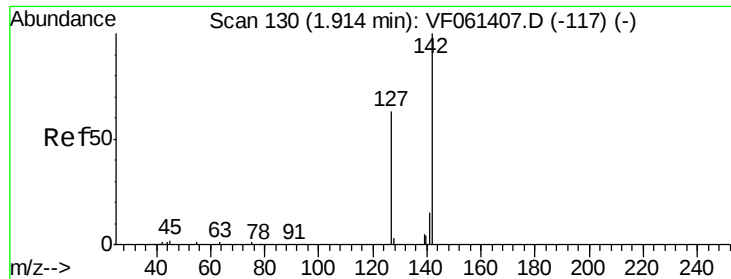
Ion Ratio Lower Upper

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

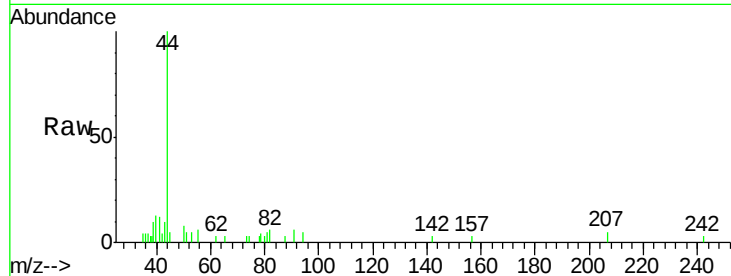
Tot Ion:142 Resp: 85

Ion Ratio Lower Upper

142 100

127 0.0 50.7 76.1#

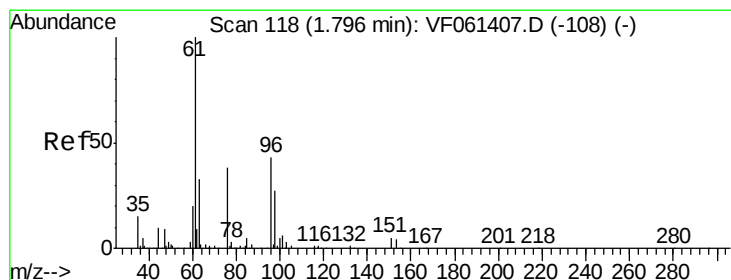
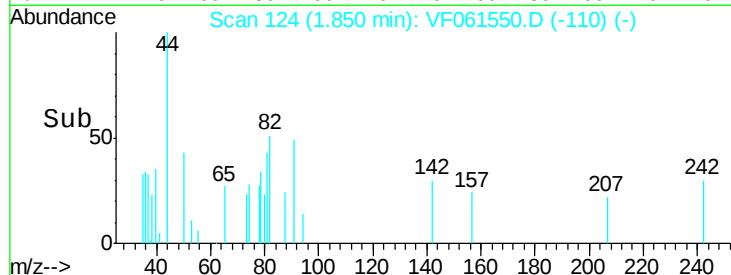
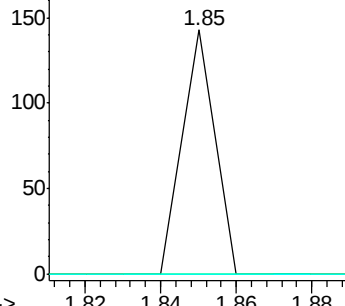
141 0.0 11.8 17.6#



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

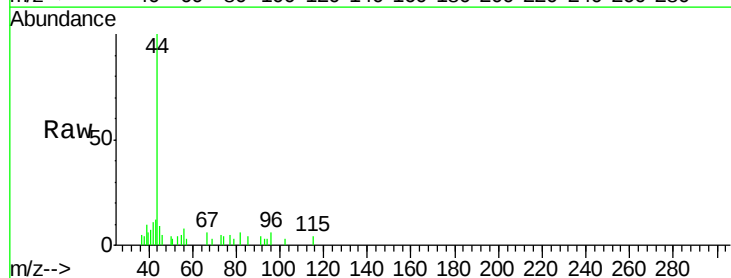
Tgt Ion: 96 Resp: 135

Ion Ratio Lower Upper

96 100

61 0.0 186.9 280.3#

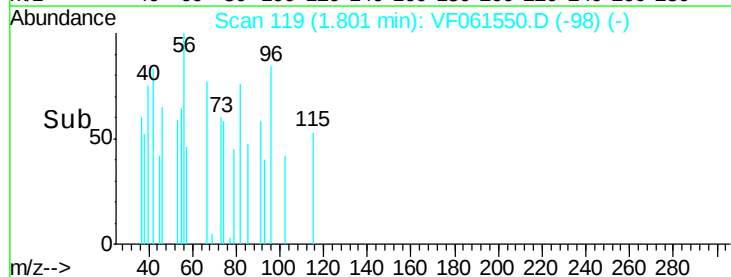
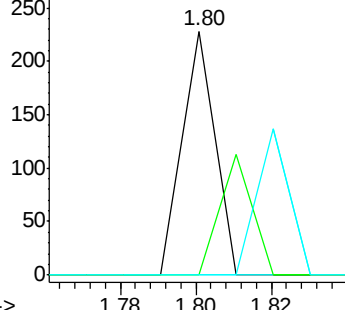
98 0.0 53.0 79.4#

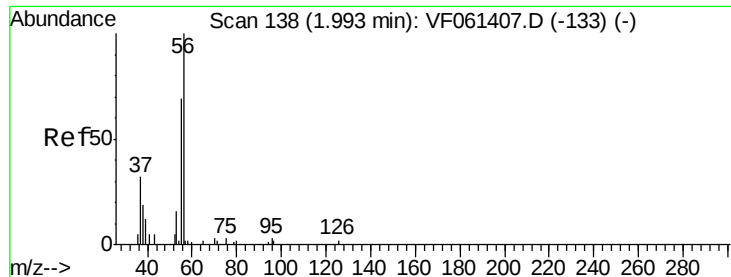


Abundance Ion 96.00 (95.70 to 96.70): VF0

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 :

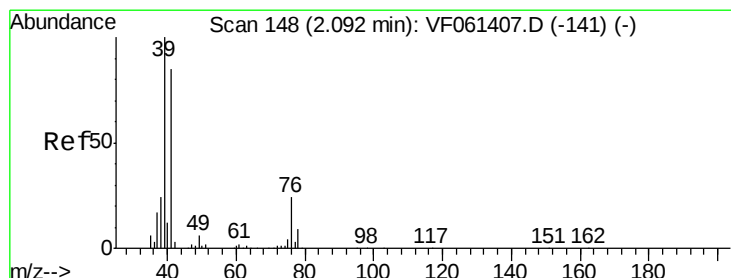
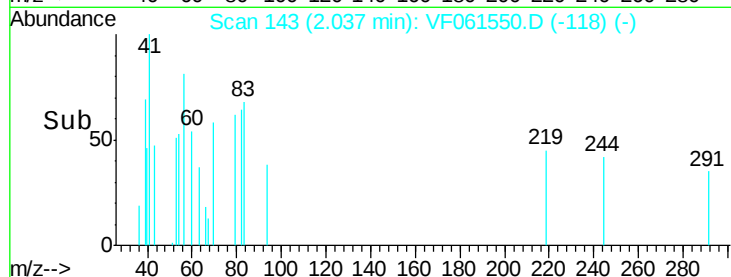
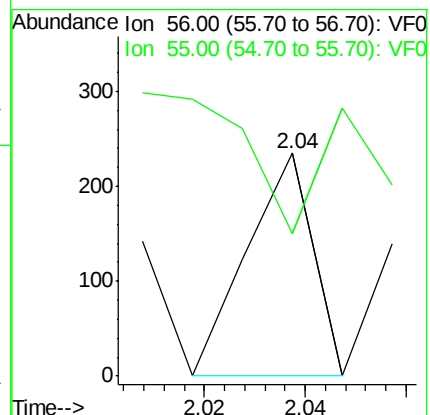
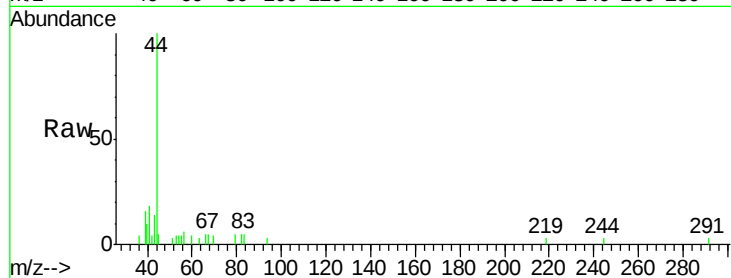
RBR-200052

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

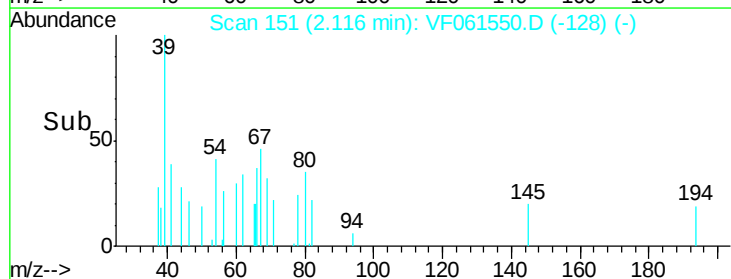
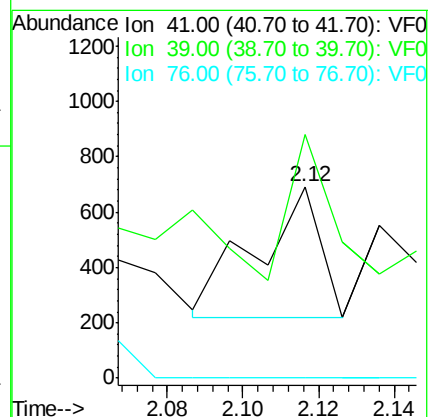
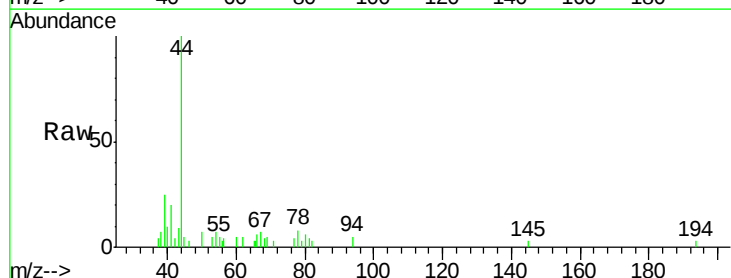
Tgt Ion: 41 Resp: 558

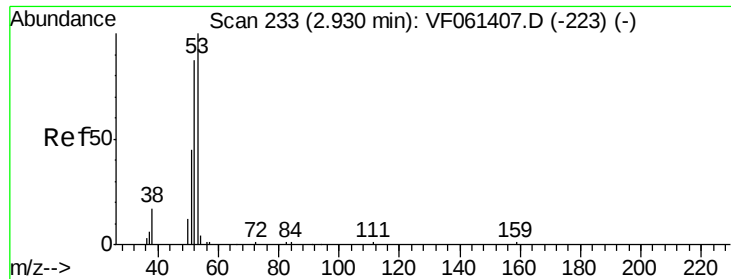
Ion Ratio Lower Upper

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

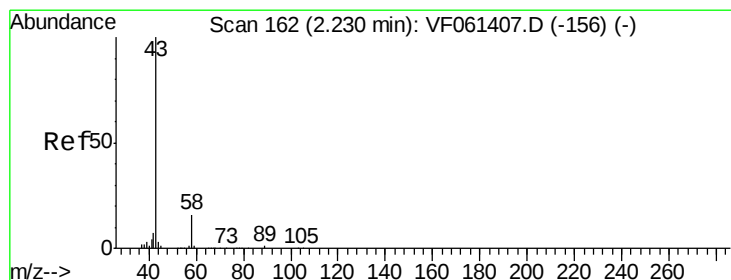
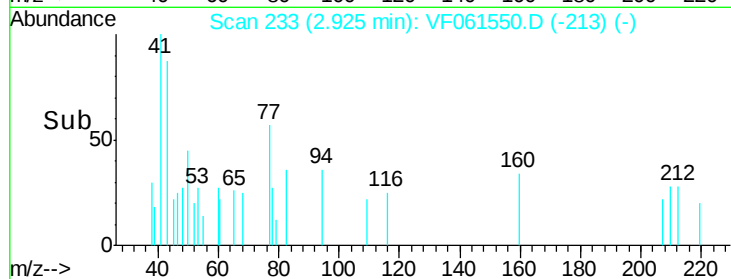
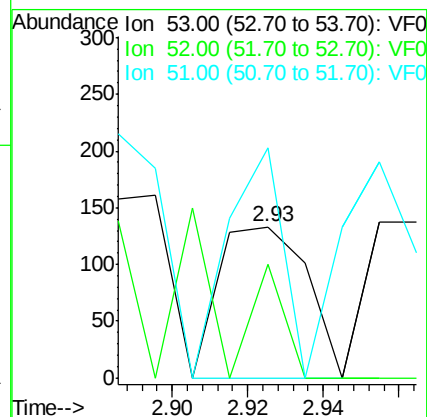
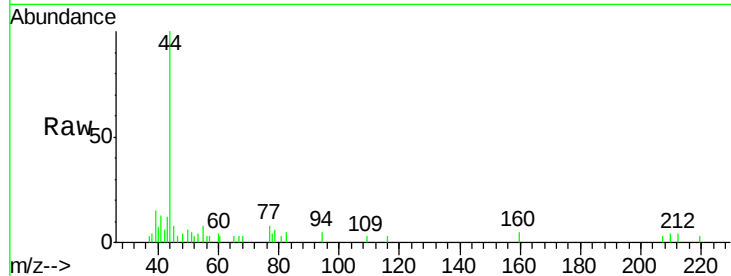
Tot Ion: 53 Resp: 214

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

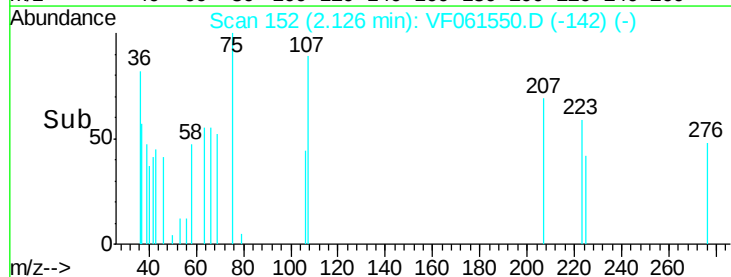
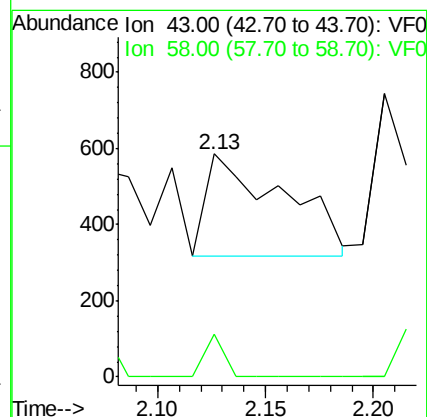
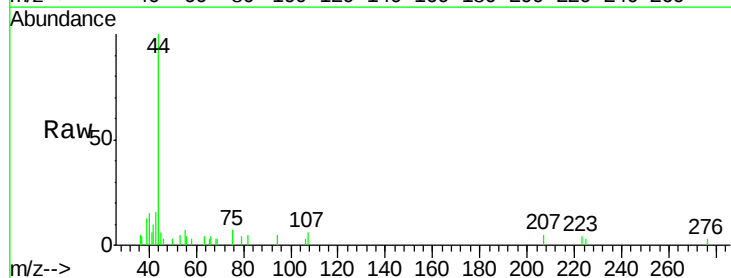
Acq: 7 Feb 2019 17:42

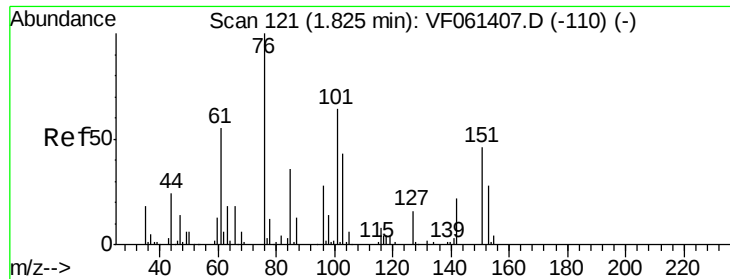
Tgt Ion: 43 Resp: 674

Ion Ratio Lower Upper

43 100

58 19.5 13.3 19.9

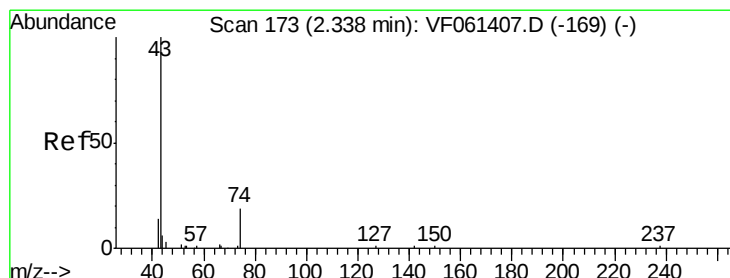
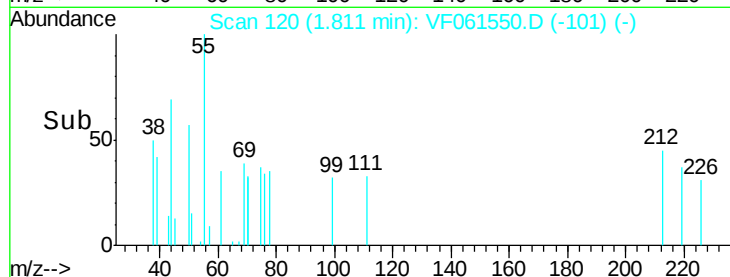
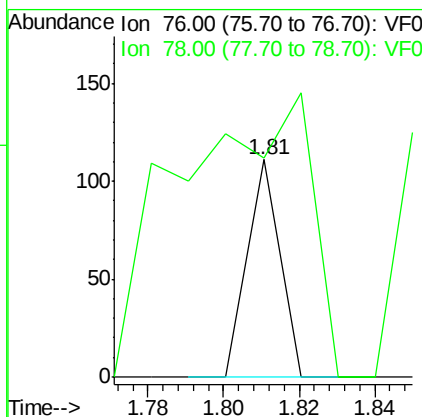
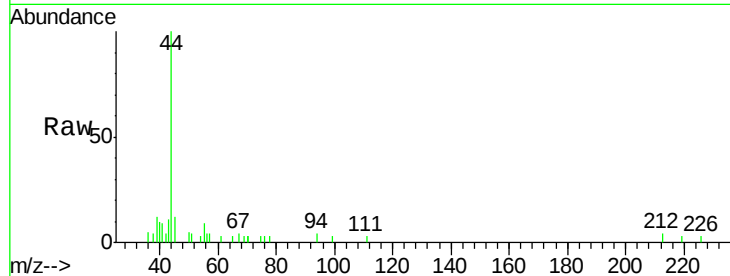




#17
Carbon Disulfide
Concen: 3.148 ug/l
RT: 1.81 min Scan# 120
Delta R.T. -0.01 min
Lab File: VF061550.D
Acq: 7 Feb 2019 17:42

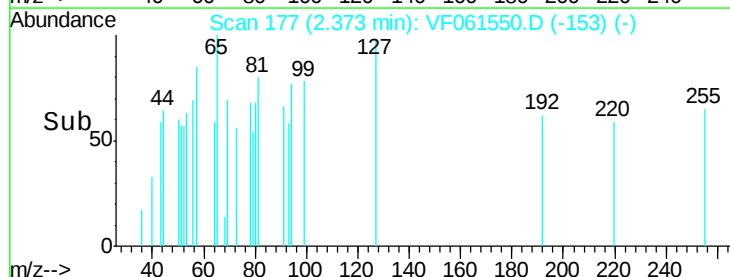
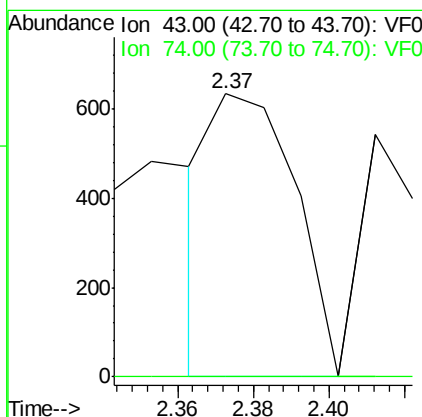
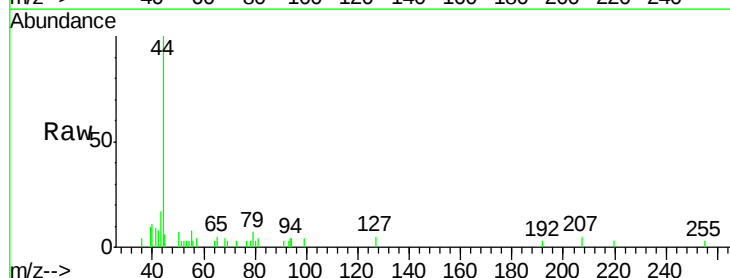
Instrument :
MSVOA_F
ClientSampleId :
RBR-200052

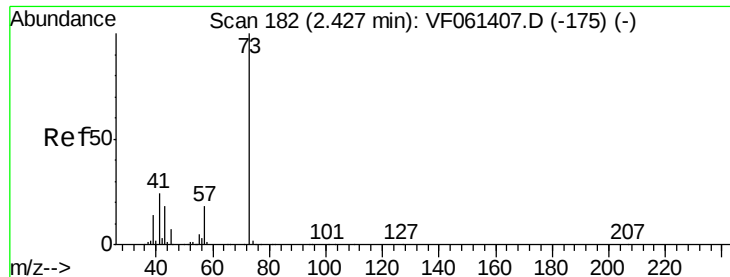
Tot Ion: 76 Resp: 66
Ion Ratio Lower Upper
76 100
78 100.9 9.6 14.4#



#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#



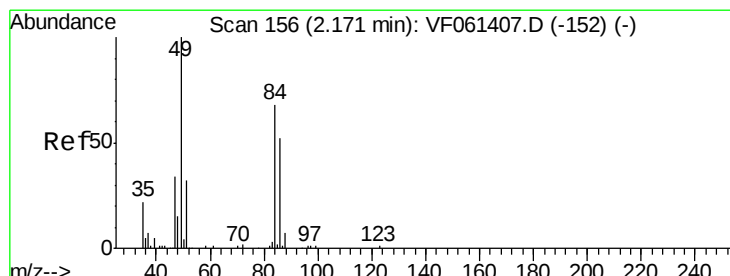
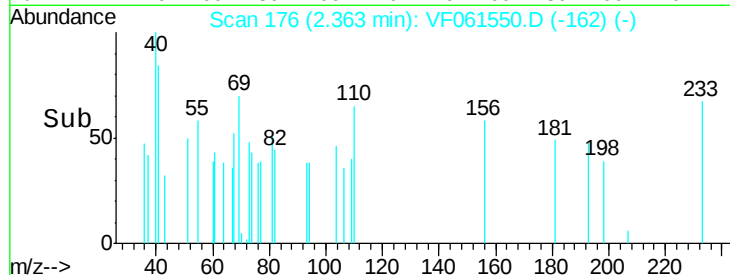
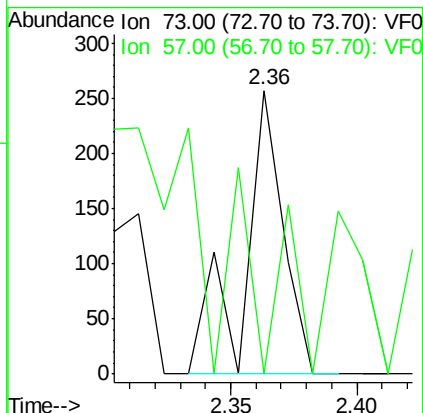
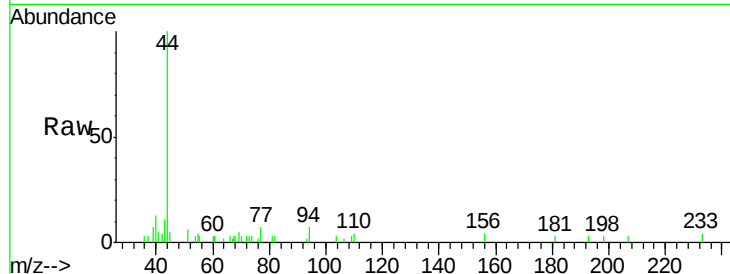


#19

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

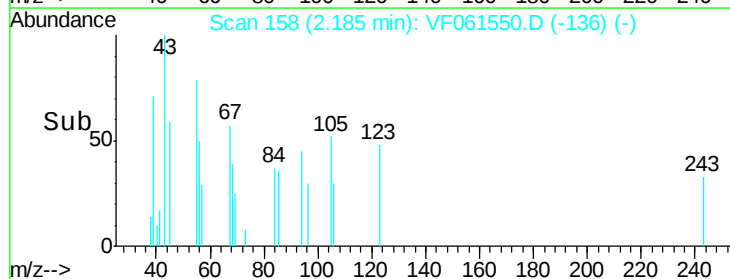
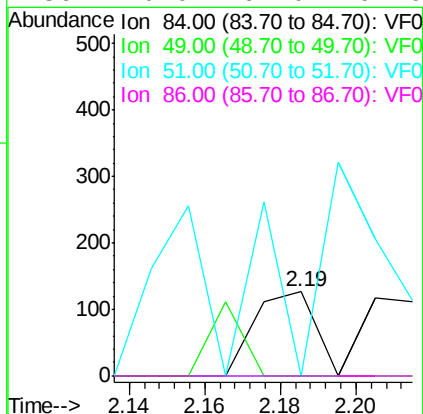
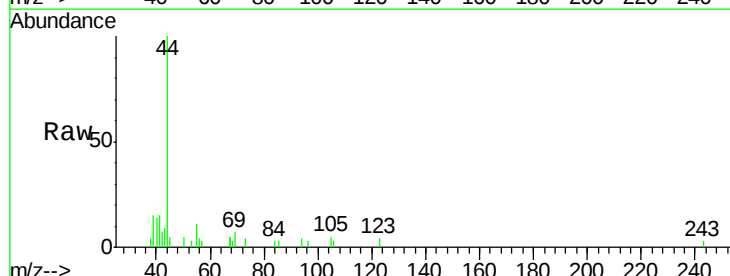
Tot Ion: 73 Resp: 278
 Ion Ratio Lower Upper
 73 100
 57 0.0 14.8 22.2#

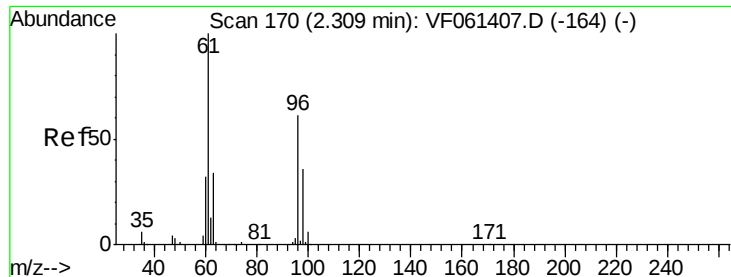


#20

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

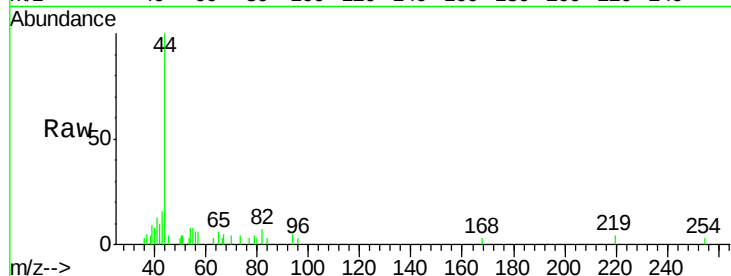
Tot Ion: 96 Resp: 70

Ion Ratio Lower Upper

96 100

61 0.0 131.8 197.8#

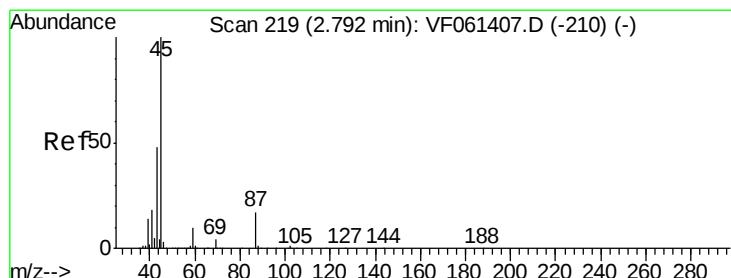
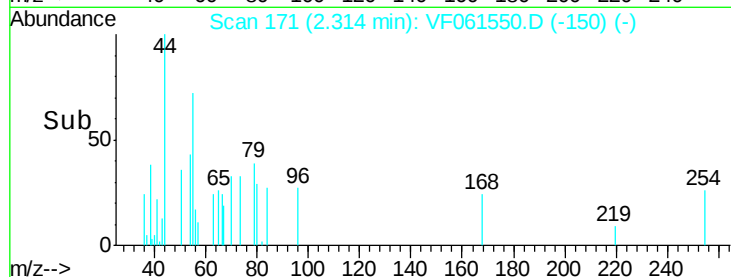
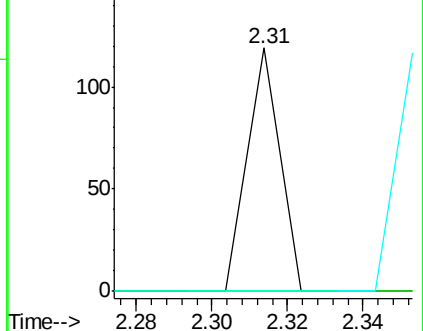
98 0.0 47.4 71.0#



Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#22

Diisopropyl ether

Concen: 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

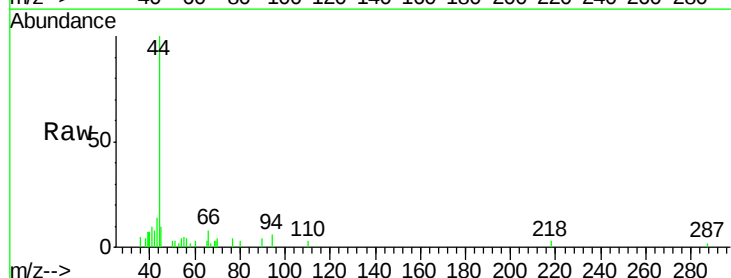
Ion Ratio Lower Upper

45 100

43 131.8 39.0 58.6#

87 0.0 13.9 20.9#

59 0.0 7.8 11.6#

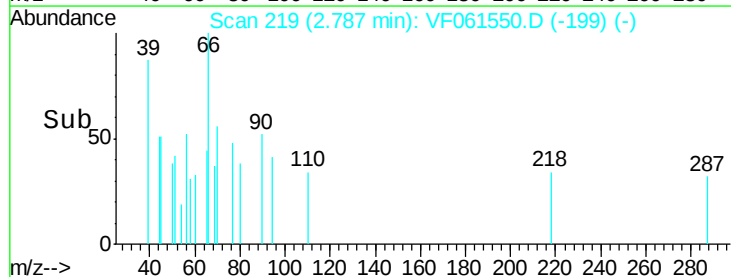
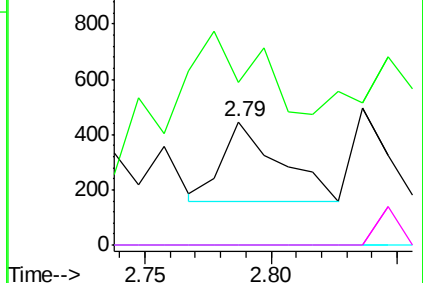


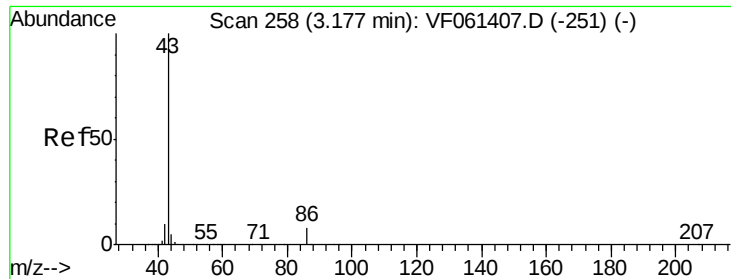
Abundance Ion 45.00 (44.70 to 45.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

Ion 59.00 (58.70 to 59.70): VF0





#23

Vinyl Acetate

Concen: 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 :

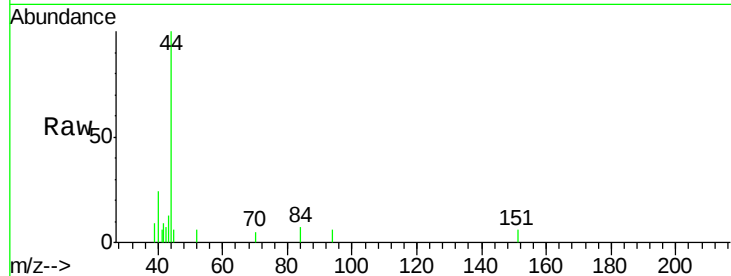
RBR-200052

Tot Ion: 43 Resp: 849

Ion Ratio Lower Upper

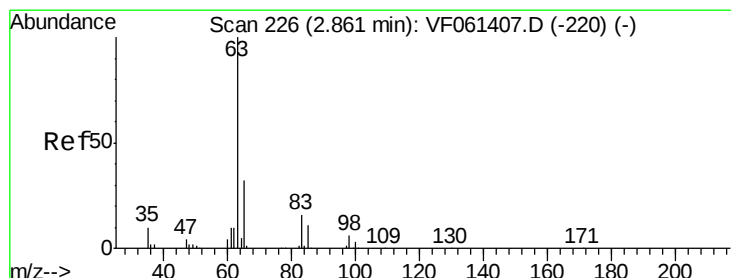
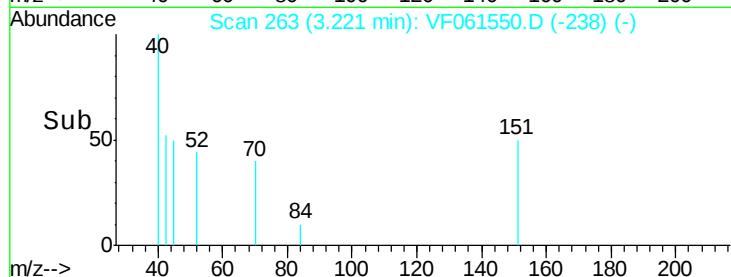
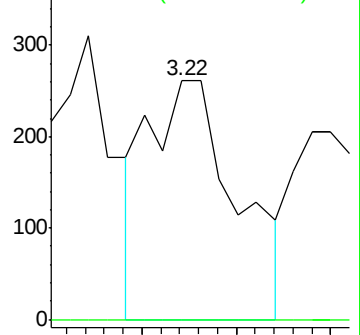
43 100

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

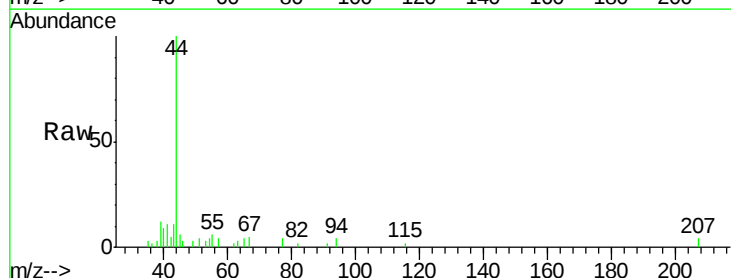
Tgt Ion: 63 Resp: 197

Ion Ratio Lower Upper

63 100

98 0.0 2.9 8.8#

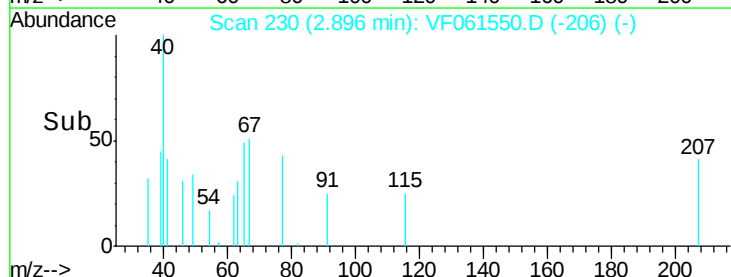
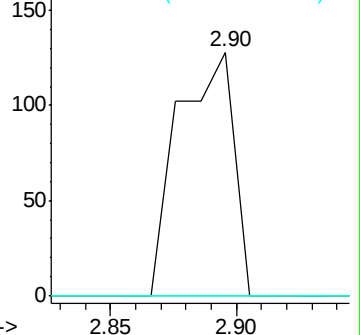
100 0.0 1.6 4.8#

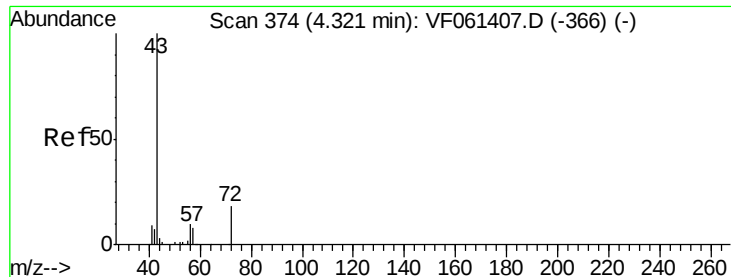


Abundance Ion 63.00 (62.70 to 63.70): VF0

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

ClientSampleId :

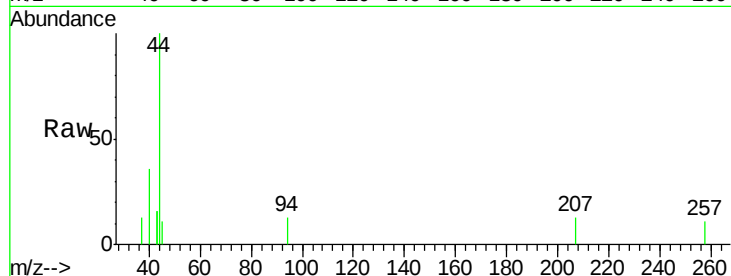
RBR-200052

Tot Ion: 43 Resp: 1067

Ion Ratio Lower Upper

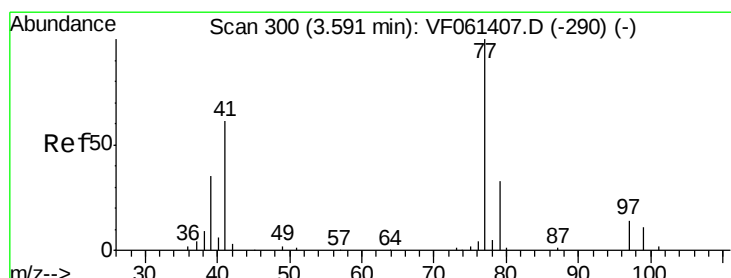
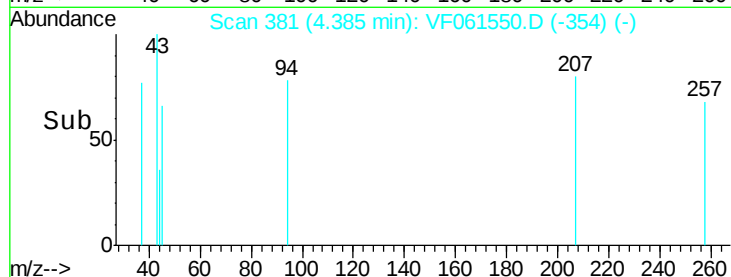
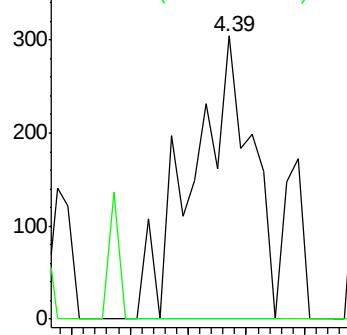
43 100

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

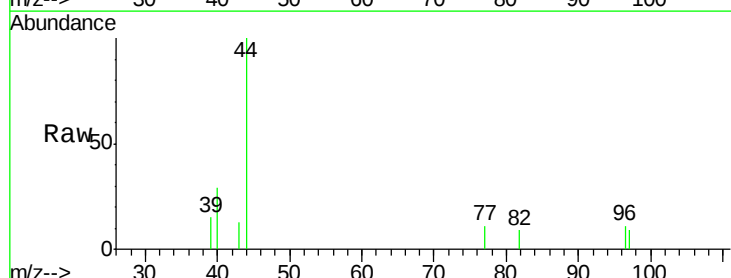
Acq: 7 Feb 2019 17:42

Tgt Ion: 77 Resp: 76

Ion Ratio Lower Upper

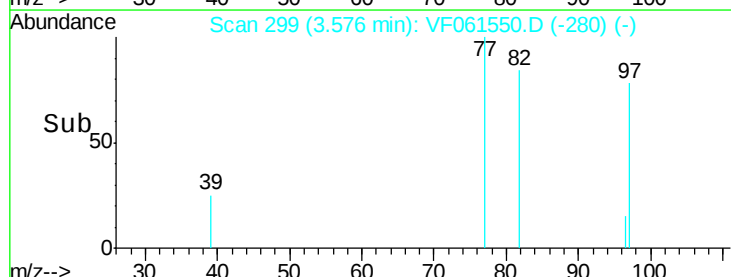
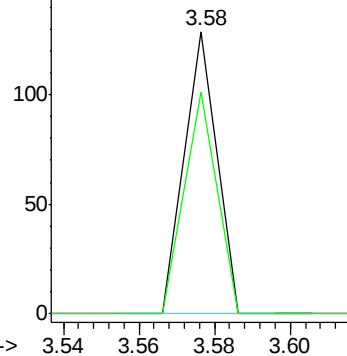
77 100

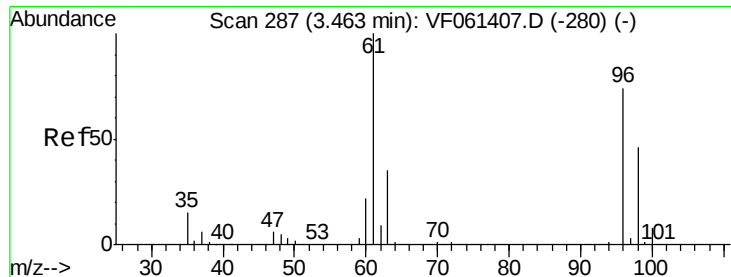
97 78.3 8.5 25.5#



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0



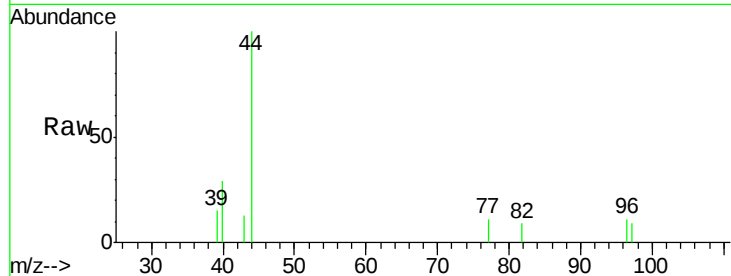


#27

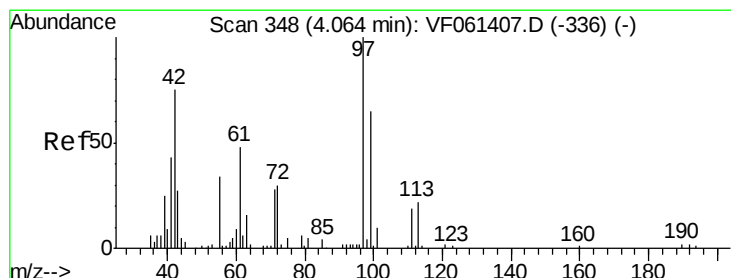
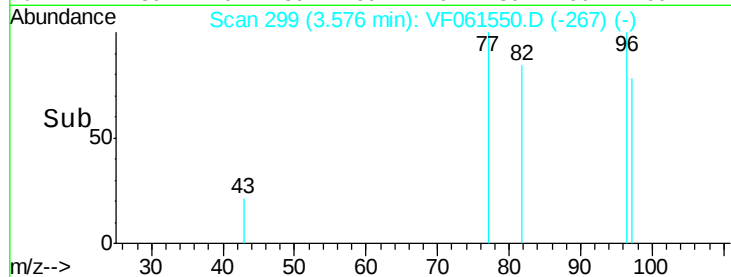
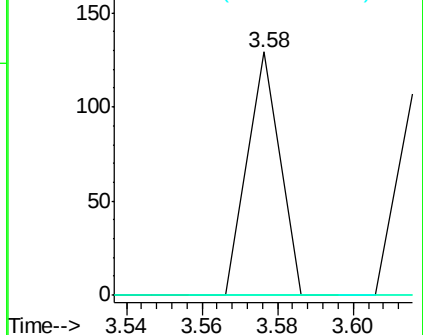
cis-1,2-Dichloroethene
 Concen: 6.960 ug/l
 RT: 3.58 min Scan# 299
 Delta R.T. 0.11 min
 Lab File: VF061550.D
 Acq: 7 Feb 2019 17:42

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



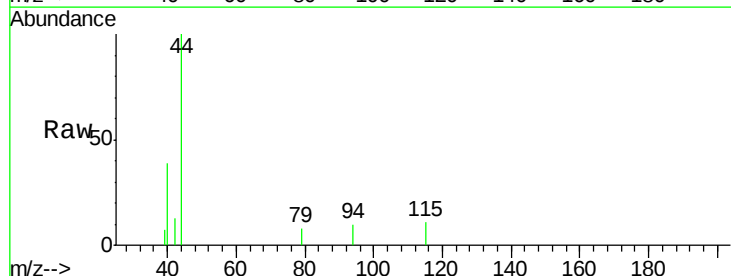
Abundance Ion 96.00 (95.70 to 96.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 98.00 (97.70 to 98.70): VF0



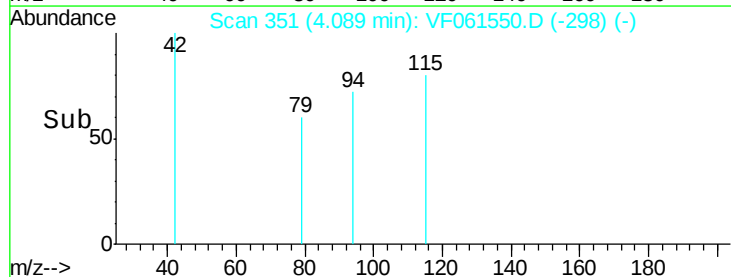
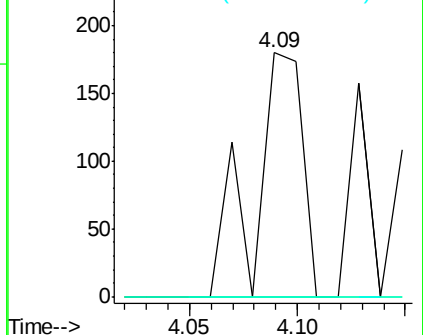
#29

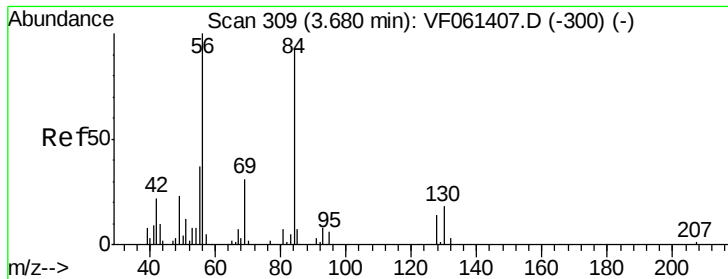
Tetrahydrofuran
 Concen: 206.594 ug/l
 RT: 4.09 min Scan# 351
 Delta R.T. 0.02 min
 Lab File: VF061550.D
 Acq: 7 Feb 2019 17:42

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





#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

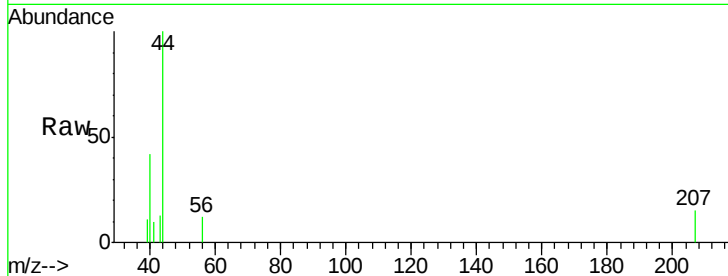
Tot Ion: 56 Resp: 89

Ion Ratio Lower Upper

56 100

69 0.0 24.6 36.8#

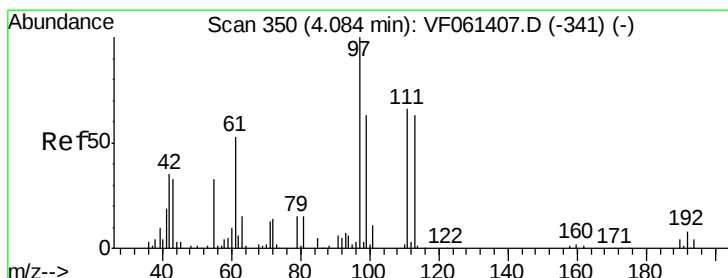
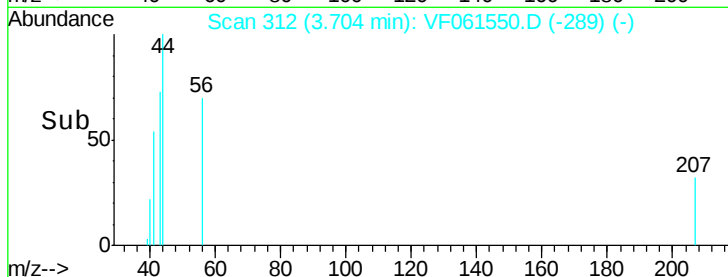
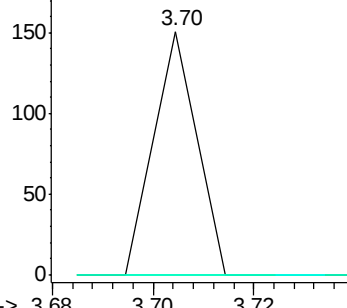
84 0.0 74.2 111.2#



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



#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

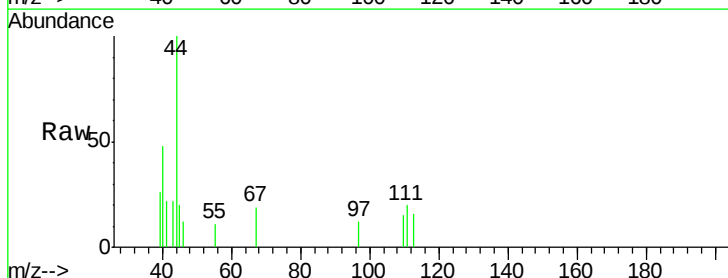
Tgt Ion: 97 Resp: 123

Ion Ratio Lower Upper

97 100

99 0.0 50.1 75.1#

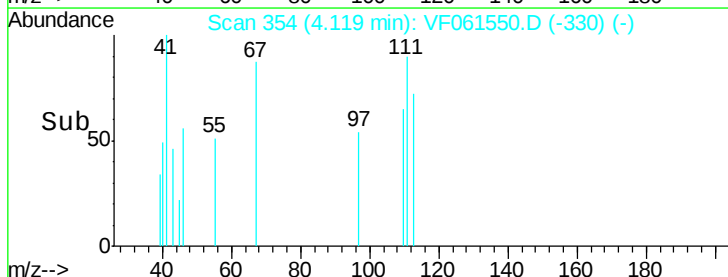
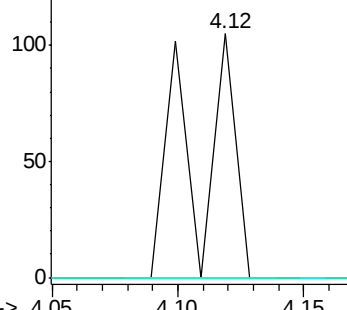
61 0.0 43.1 64.7#

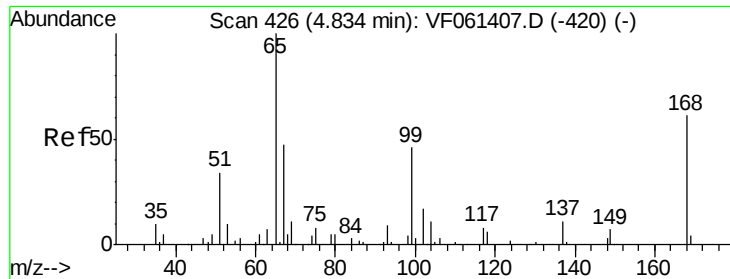


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#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 :

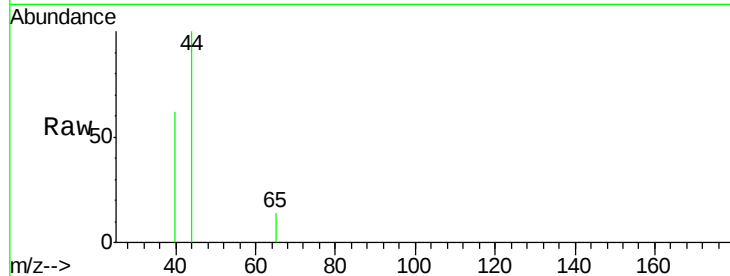
RBR-200052

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

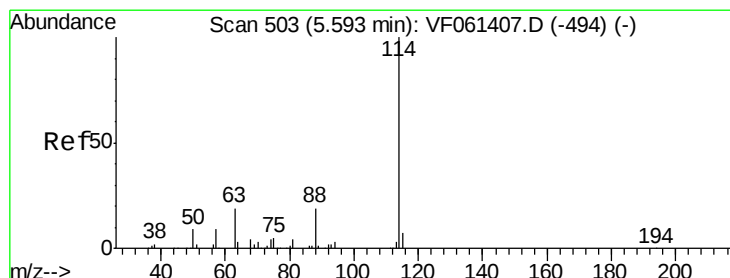
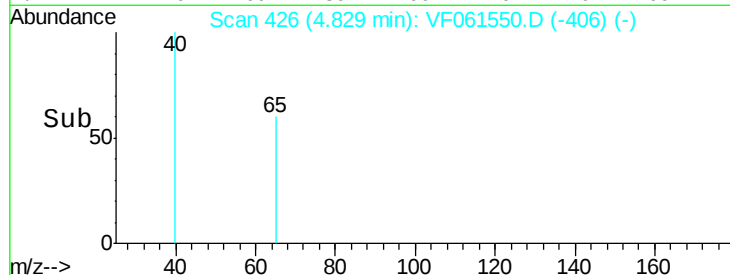
4.83

100

50

0

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

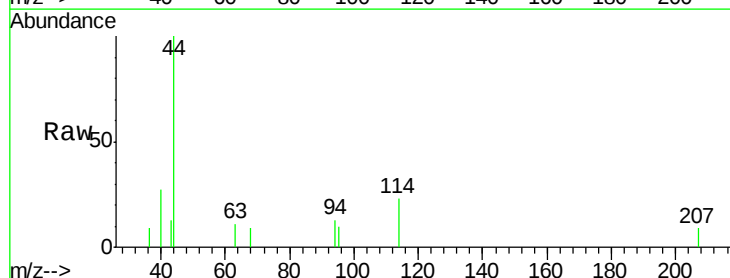
Tgt Ion: 114 Resp: 682

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

5.61

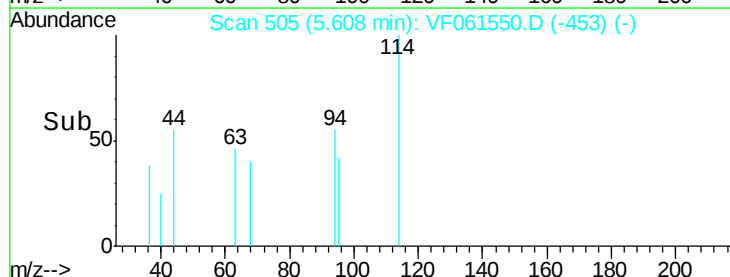
300

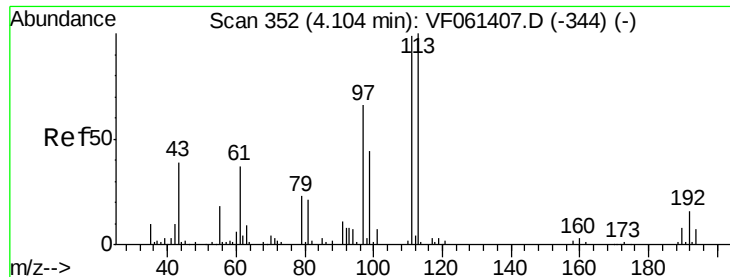
200

100

0

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

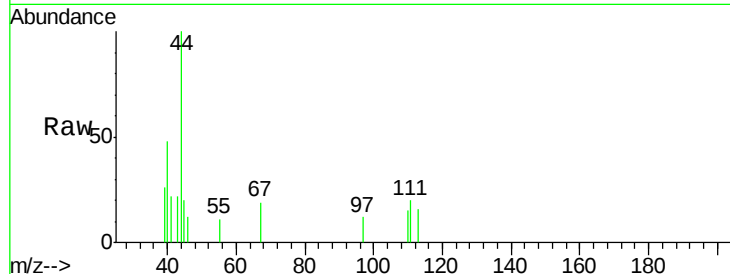
Tot Ion:113 Resp: 149

Ion Ratio Lower Upper

113 100

111 123.9 79.4 119.0#

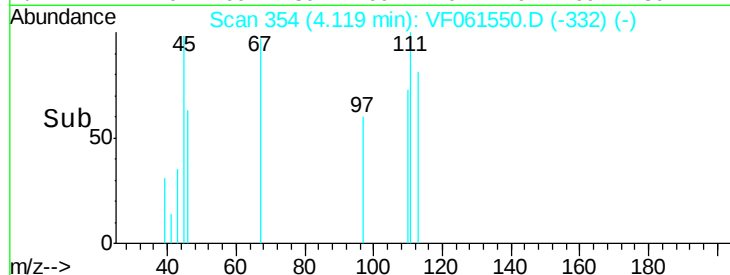
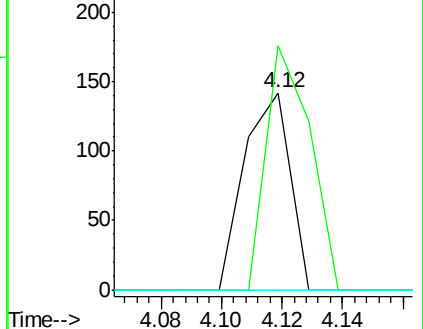
192 0.0 12.4 18.6#



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: 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

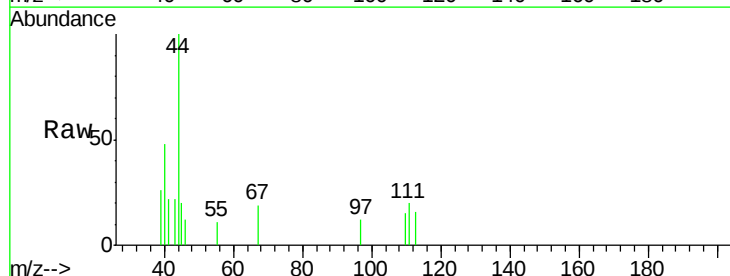
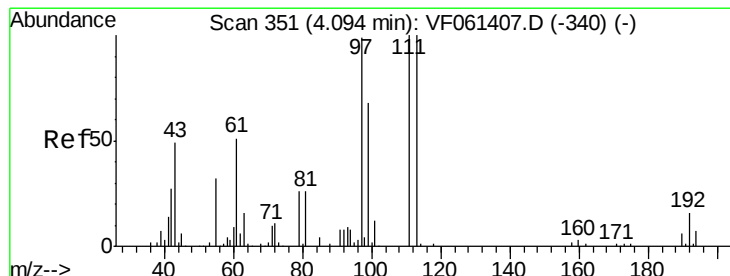
Tgt Ion: 43 Resp: 177

Ion Ratio Lower Upper

43 100

61 0.0 81.7 122.5#

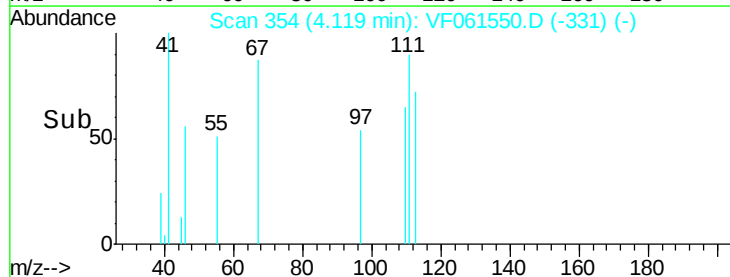
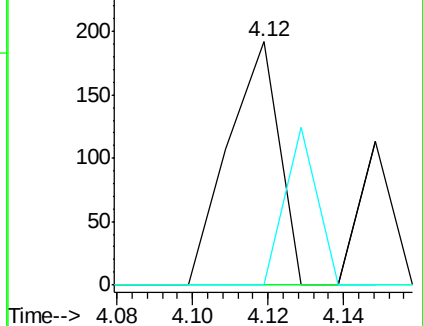
70 0.0 6.2 9.2#

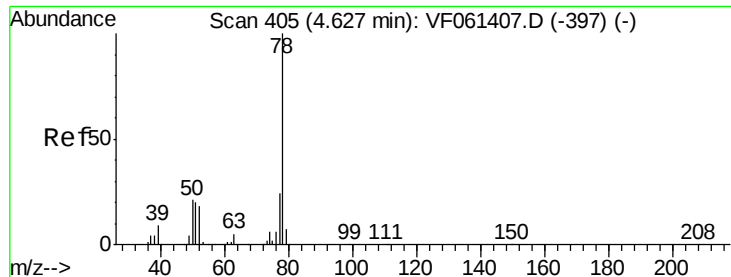


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0





#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 :

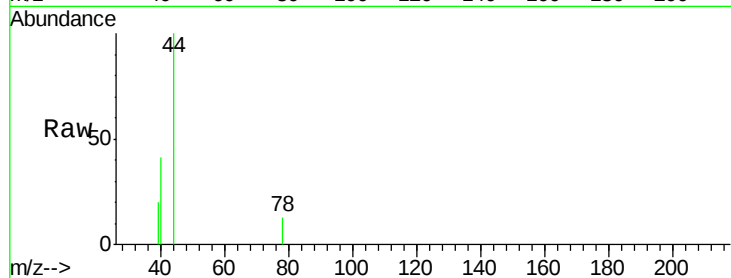
RBR-200052

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

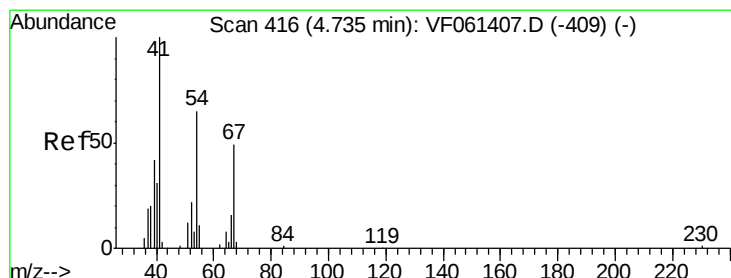
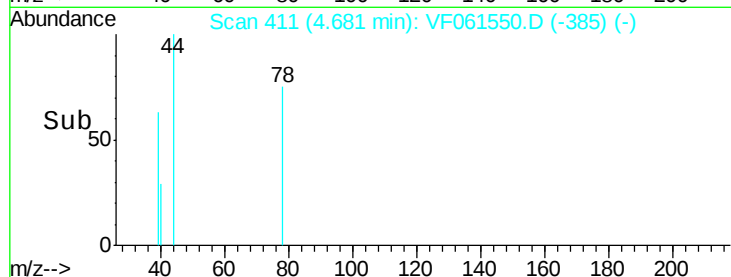
150

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

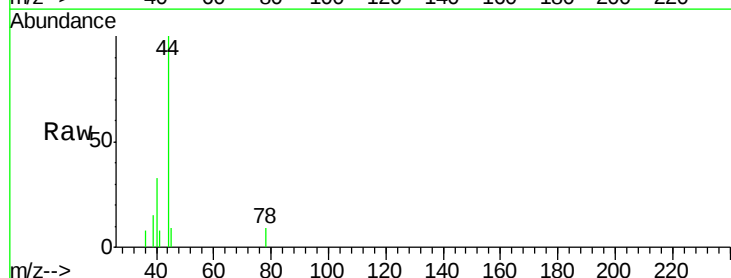
Ion Ratio Lower Upper

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

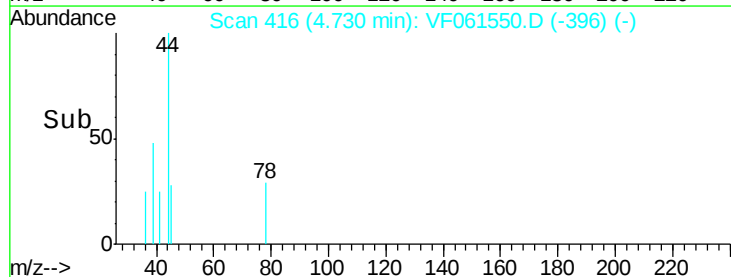
300

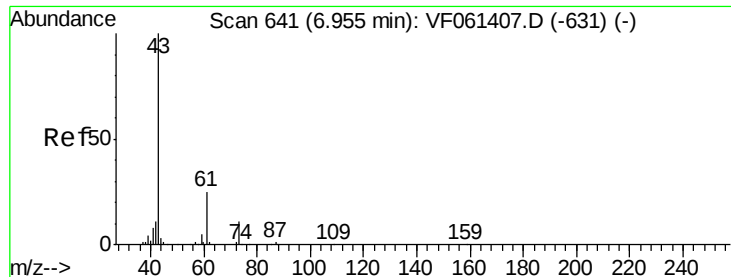
200

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

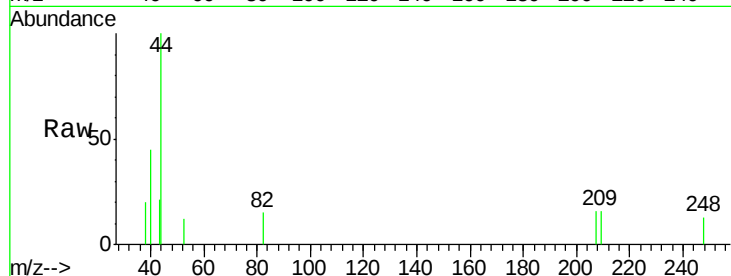
Tot Ion: 43 Resp: 108

Ion Ratio Lower Upper

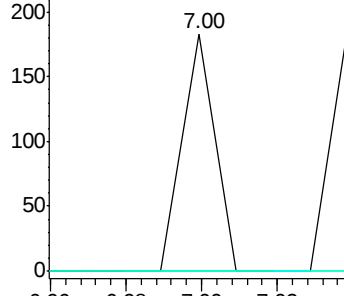
43 100

61 0.0 20.3 30.5#

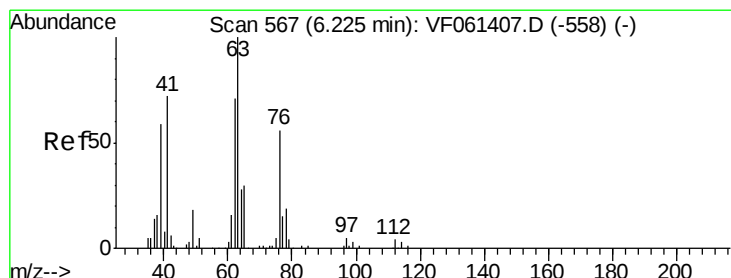
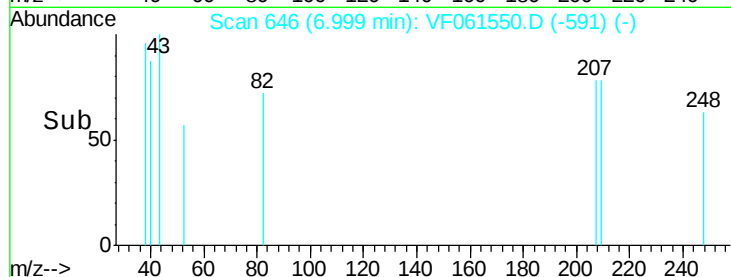
87 0.0 0.5 0.7#



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



Time--> 6.96 6.98 7.00 7.02



#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

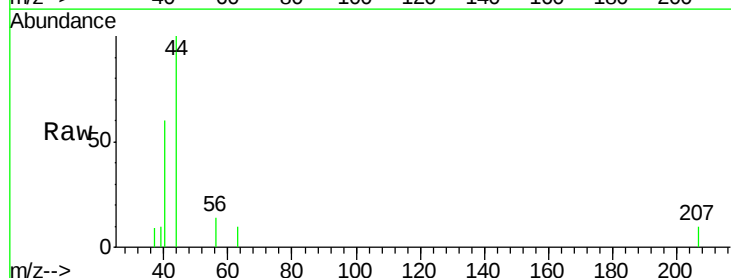
Acq: 7 Feb 2019 17:42

Tgt Ion: 63 Resp: 66

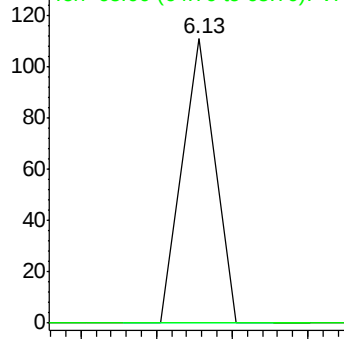
Ion Ratio Lower Upper

63 100

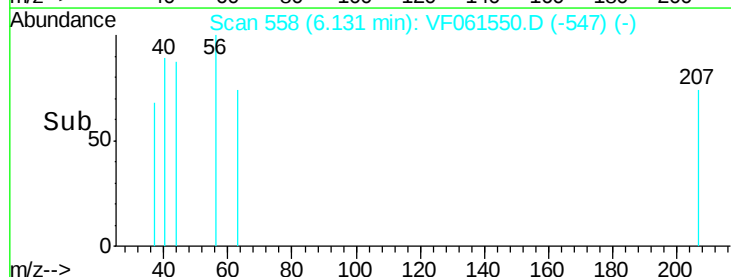
65 0.0 24.4 36.6#

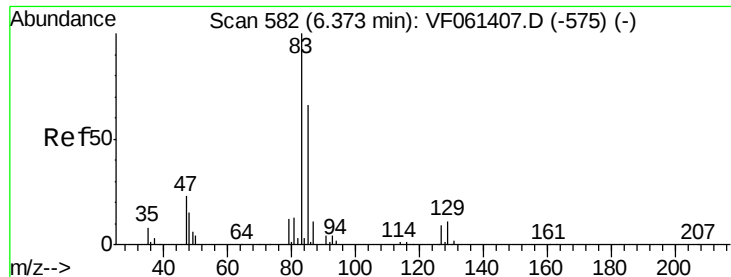


Abundance Ion 63.00 (62.70 to 63.70): VF0
Ion 65.00 (64.70 to 65.70): VF0



Time--> 6.10 6.12 6.14 6.16





#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

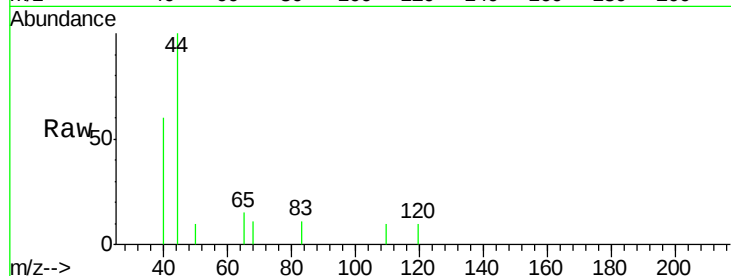
Tot Ion: 83 Resp: 70

Ion Ratio Lower Upper

83 100

85 0.0 53.0 79.4#

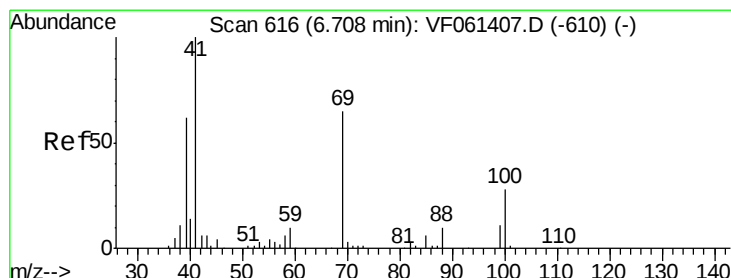
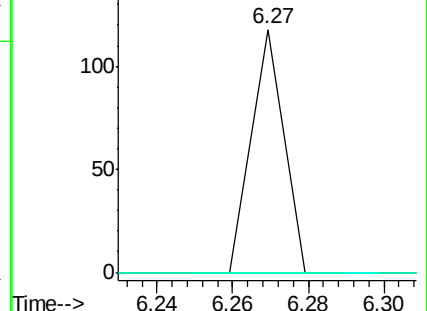
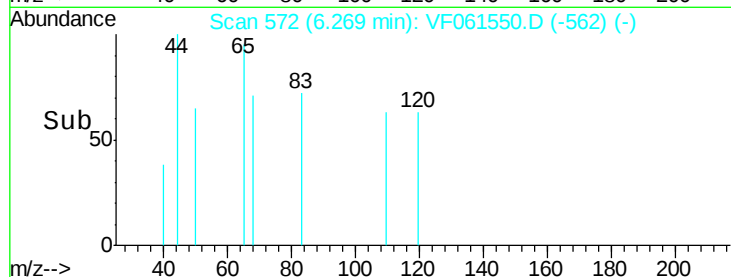
127 0.0 6.9 10.3#



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

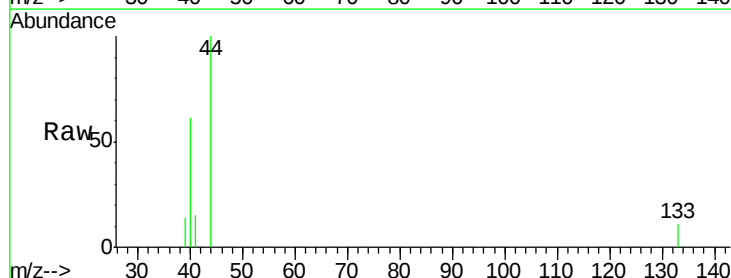
Tgt Ion: 41 Resp: 83

Ion Ratio Lower Upper

41 100

69 0.0 51.7 77.5#

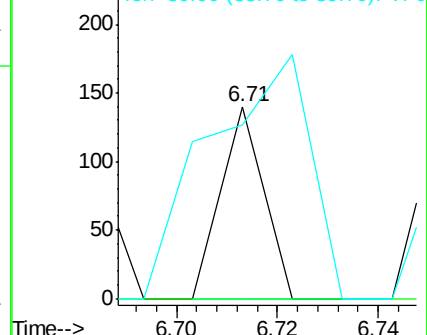
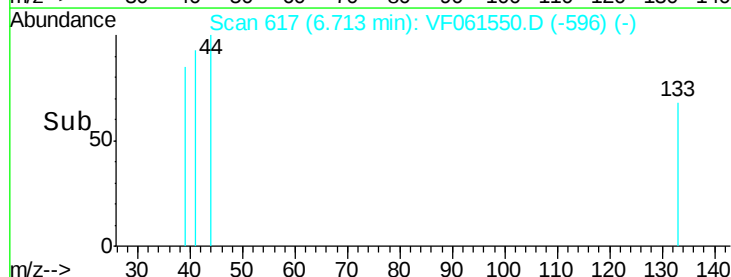
39 90.7 49.2 73.8#

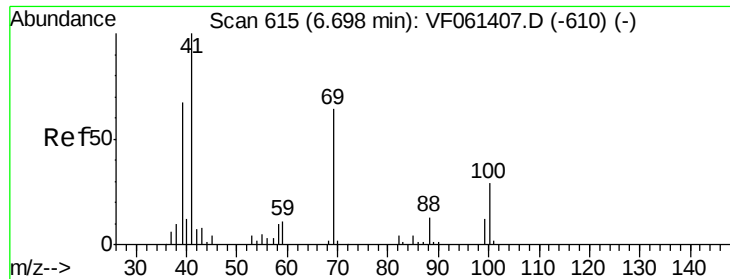


Abundance Ion 41.00 (40.70 to 41.70): VF0

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

ClientSampleId :

RBR-200052

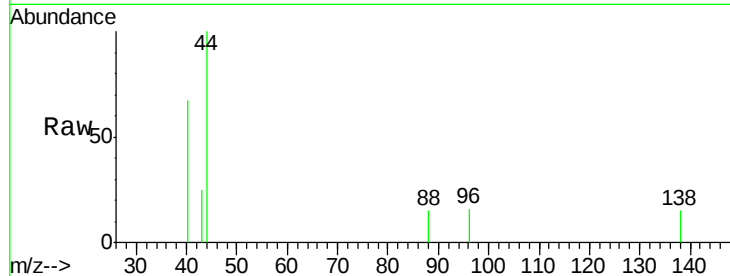
Tot Ion: 88 Resp: 69

Ion Ratio Lower Upper

88 100

43 166.4 55.5 83.3#

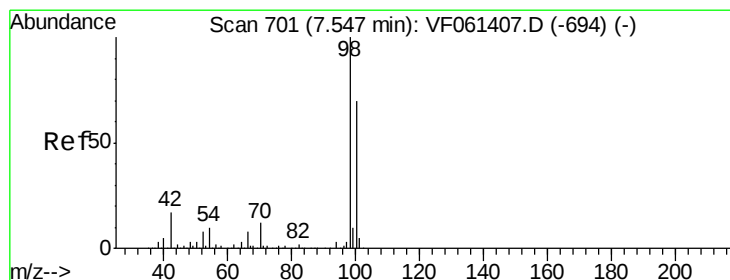
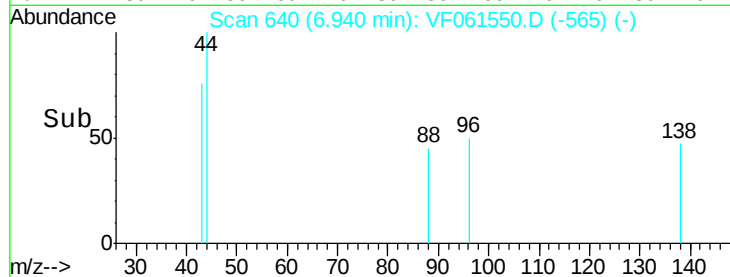
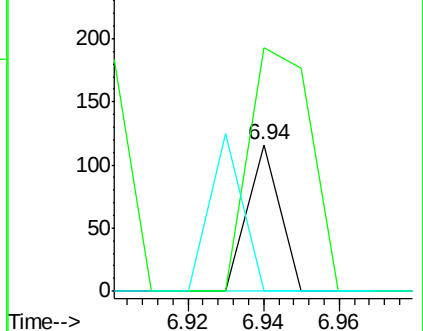
58 0.0 59.9 89.9#



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: 50.799 ug/l

RT: 7.55 min Scan# 702

Delta R.T. 0.00 min

Lab File: VF061550.D

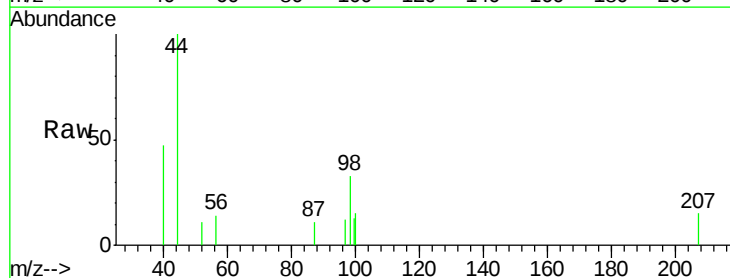
Acq: 7 Feb 2019 17:42

Tgt Ion: 98 Resp: 749

Ion Ratio Lower Upper

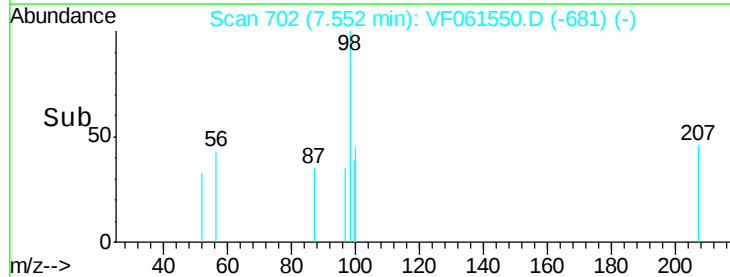
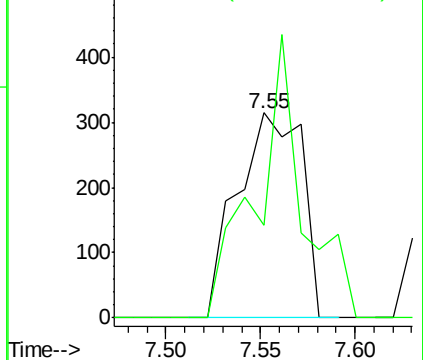
98 100

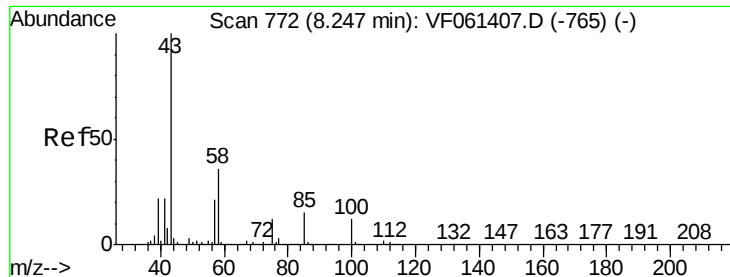
100 45.2 55.6 83.4#



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: 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 :

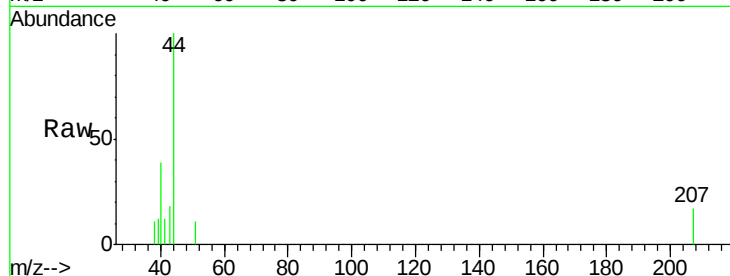
RBR-200052

Tot Ion: 43 Resp: 111

Ion Ratio Lower Upper

43 100

58 0.0 28.8 43.2#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.25

200

150

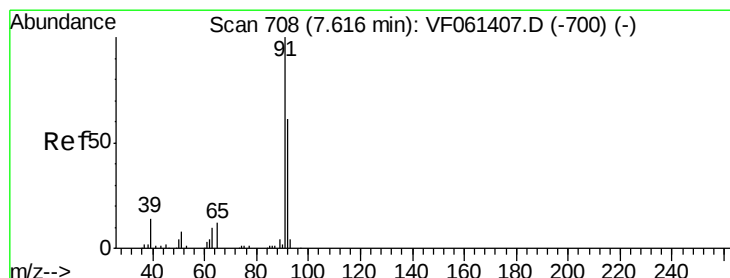
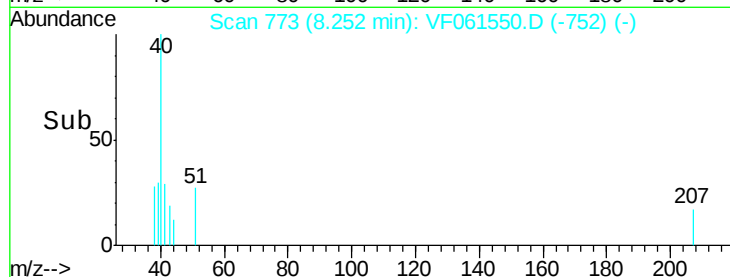
100

50

0

8.24 8.26 8.28

Time-->



#52

Toluene

Concen: 5.092 ug/l

RT: 7.66 min Scan# 713

Delta R.T. 0.04 min

Lab File: VF061550.D

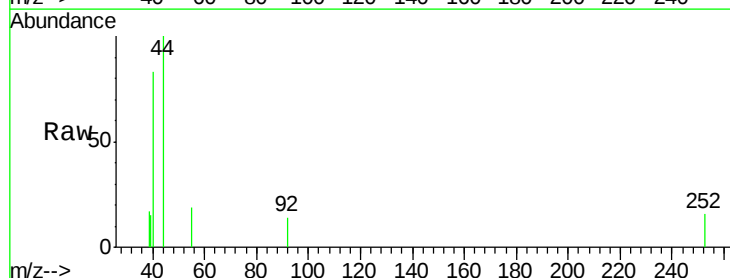
Acq: 7 Feb 2019 17:42

Tgt Ion: 92 Resp: 59

Ion Ratio Lower Upper

92 100

91 0.0 131.2 196.8#



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.66

100

80

60

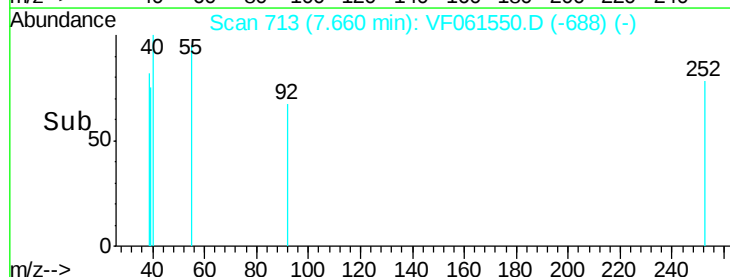
40

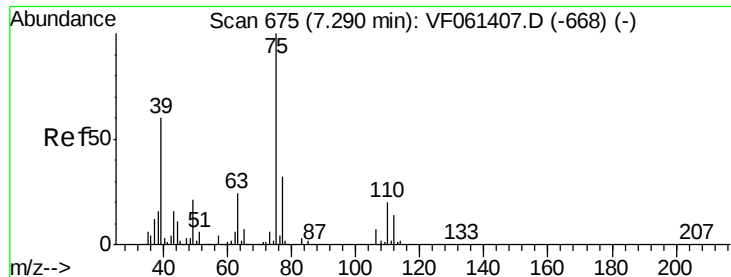
20

0

7.64 7.66 7.68

Time-->





#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

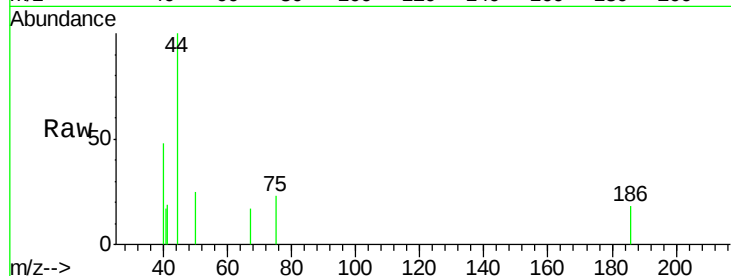
Tot Ion: 75 Resp: 88

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.0#

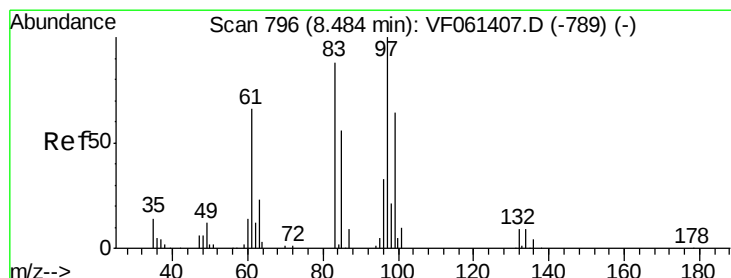
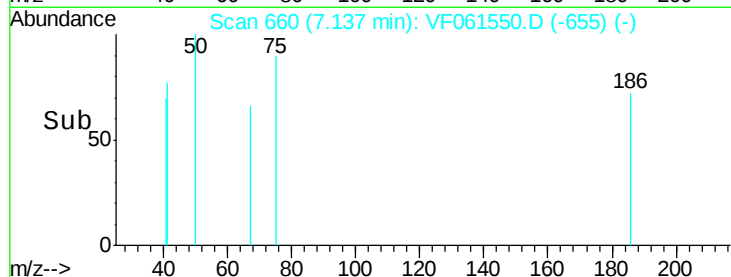
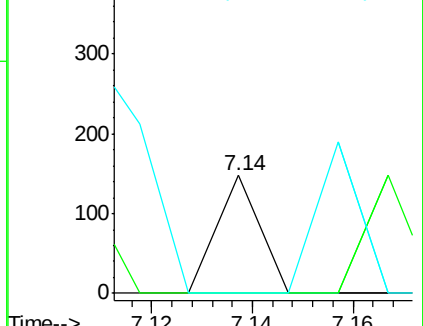
39 0.0 47.8 71.8#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0



#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

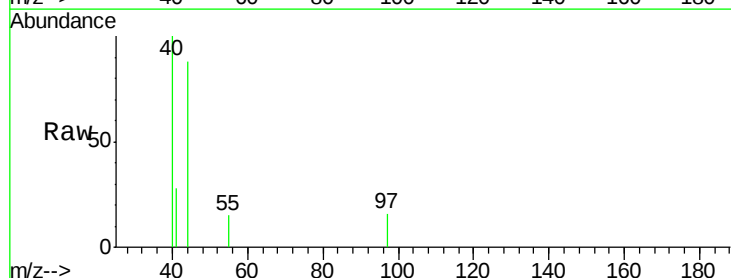
Ion Ratio Lower Upper

97 100

83 0.0 70.4 105.6#

85 0.0 44.7 67.1#

99 0.0 50.8 76.2#

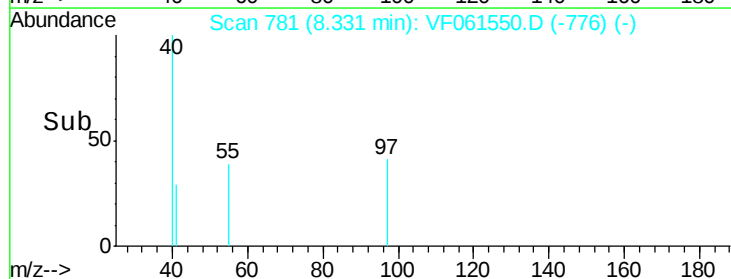
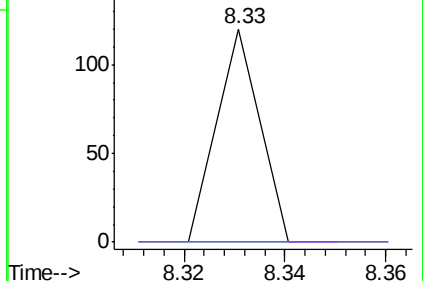


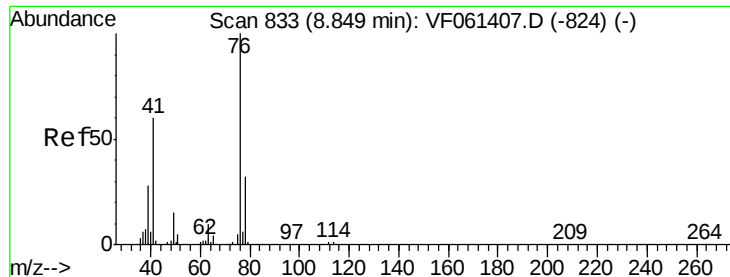
Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0





#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 :

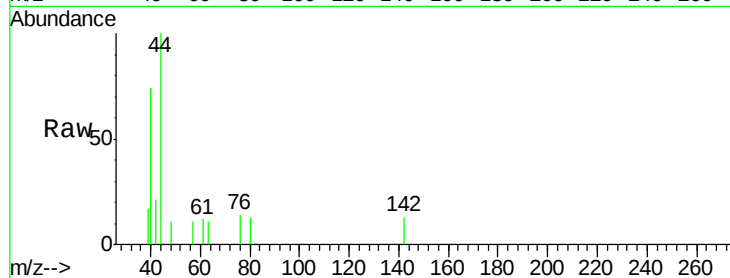
RBR-200052

Tot Ion: 76 Resp: 74

Ion Ratio Lower Upper

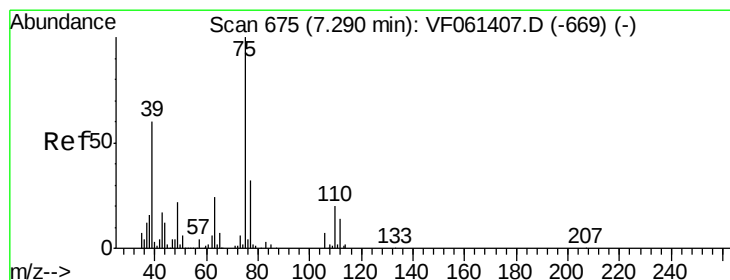
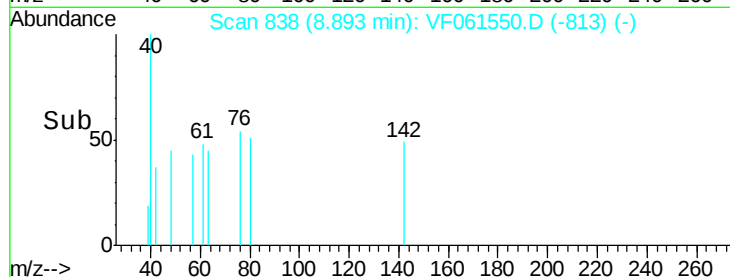
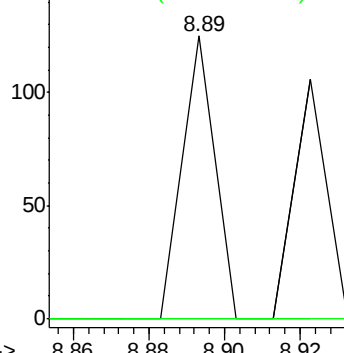
76 100

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



#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

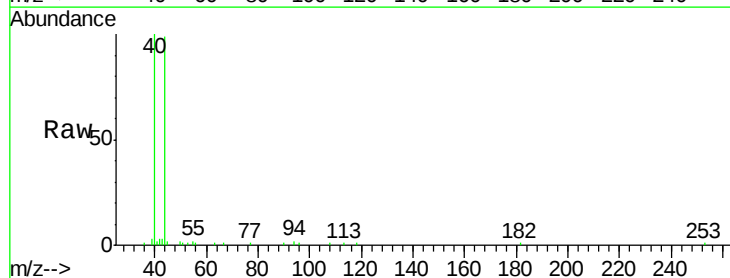
Acq: 7 Feb 2019 17:42

Tgt Ion: 63 Resp: 72

Ion Ratio Lower Upper

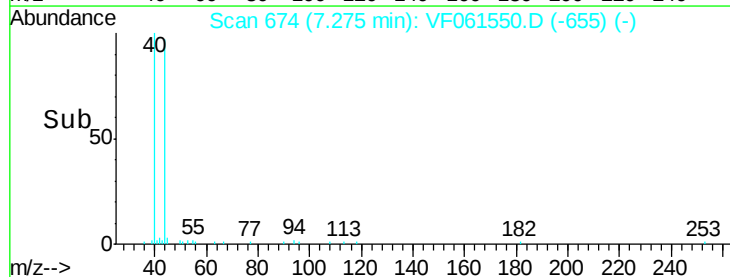
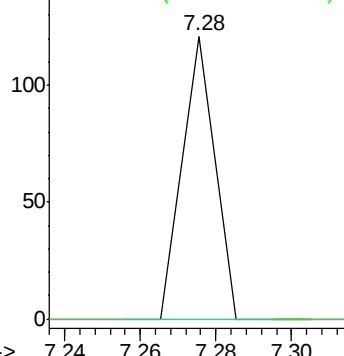
63 100

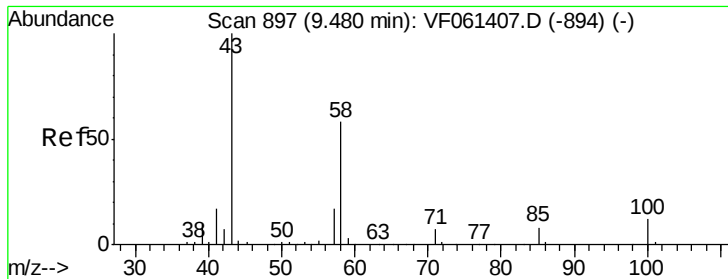
106 0.0 21.9 32.9#



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V





#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 :

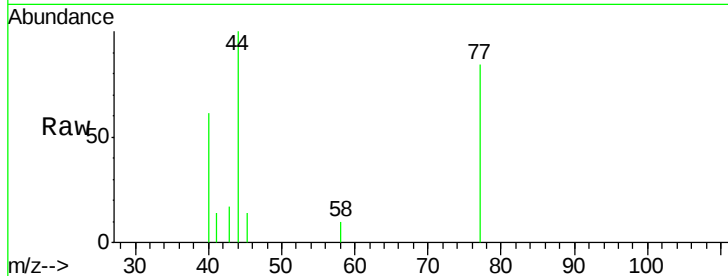
RBR-200052

Tot Ion: 43 Resp: 181

Ion Ratio Lower Upper

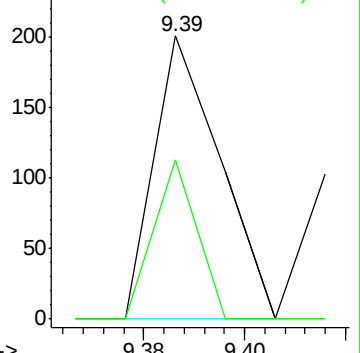
43 100

58 56.2 25.9 77.6

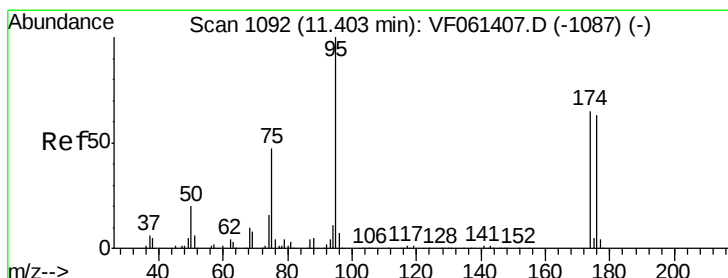
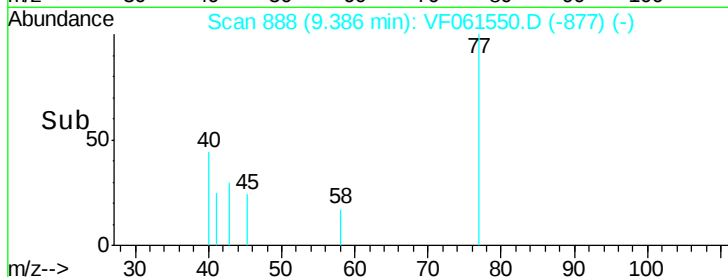


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



Time-->



#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

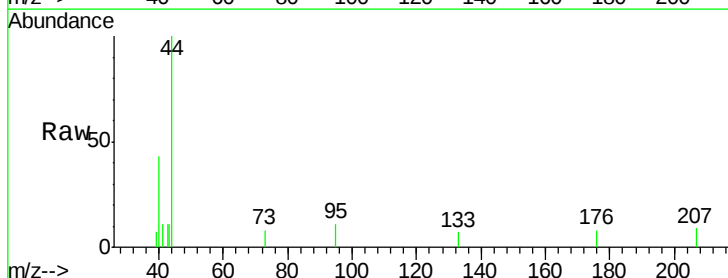
Tgt Ion: 95 Resp: 96

Ion Ratio Lower Upper

95 100

174 0.0 0.0 130.4

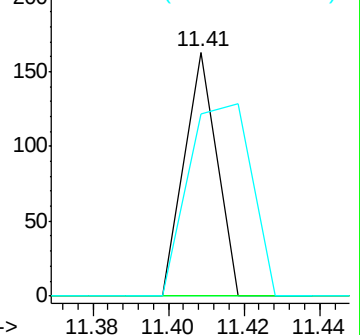
176 74.8 0.0 126.2



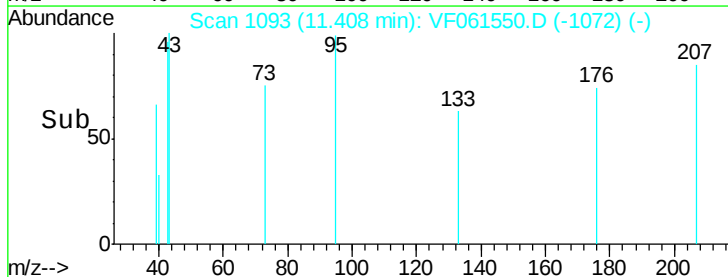
Abundance Ion 95.00 (94.70 to 95.70): VF0

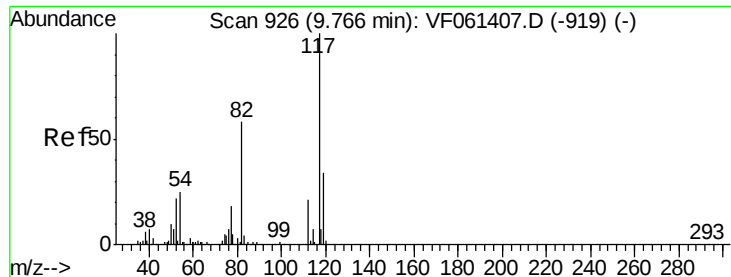
Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V



Time-->

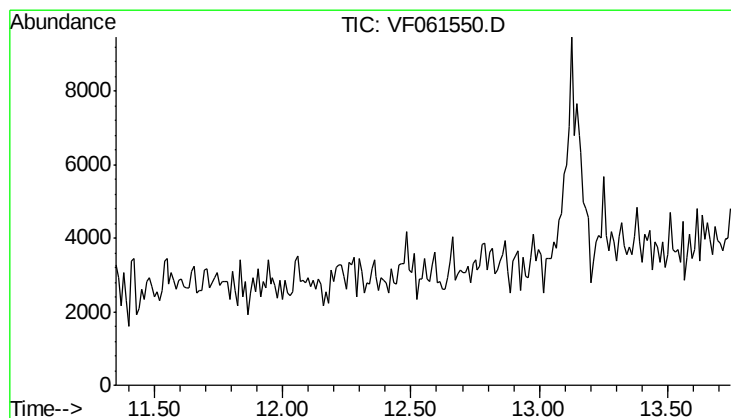
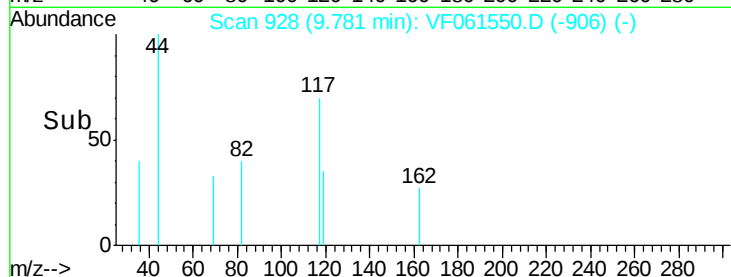
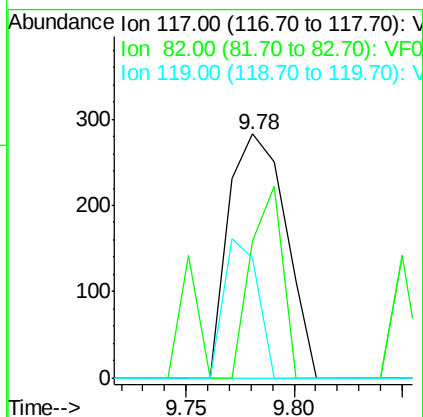
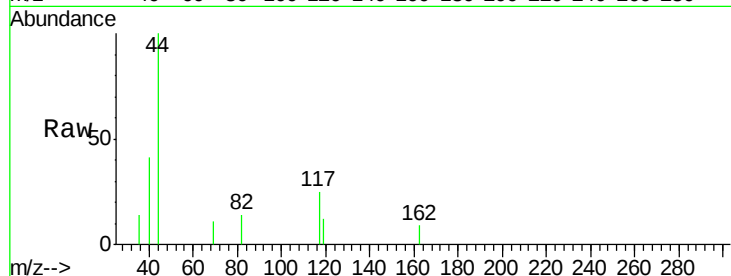




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.78 min Scan# 928
Delta R.T. 0.01 min
Lab File: VF061550.D
Acq: 7 Feb 2019 17:42

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

