

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX022718\
 Data File : VX000152.D
 Acq On : 27 Feb 2018 18:51
 Operator : JC/MD
 Sample : J1683-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 ClientSampleId :
 RFK-RMAB-MW06-GW

Quant Time: Feb 28 04:42:09 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X021418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 15 12:46:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.68	168	98862	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	160112	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	144217	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	72453	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.08	65	60512	49.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.02%	
35) Dibromofluoromethane	5.51	113	45432	44.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.92%	
50) Toluene-d8	8.73	98	188956	47.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.80%	
62) 4-Bromofluorobenzene	11.15	95	67625	43.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.54%	

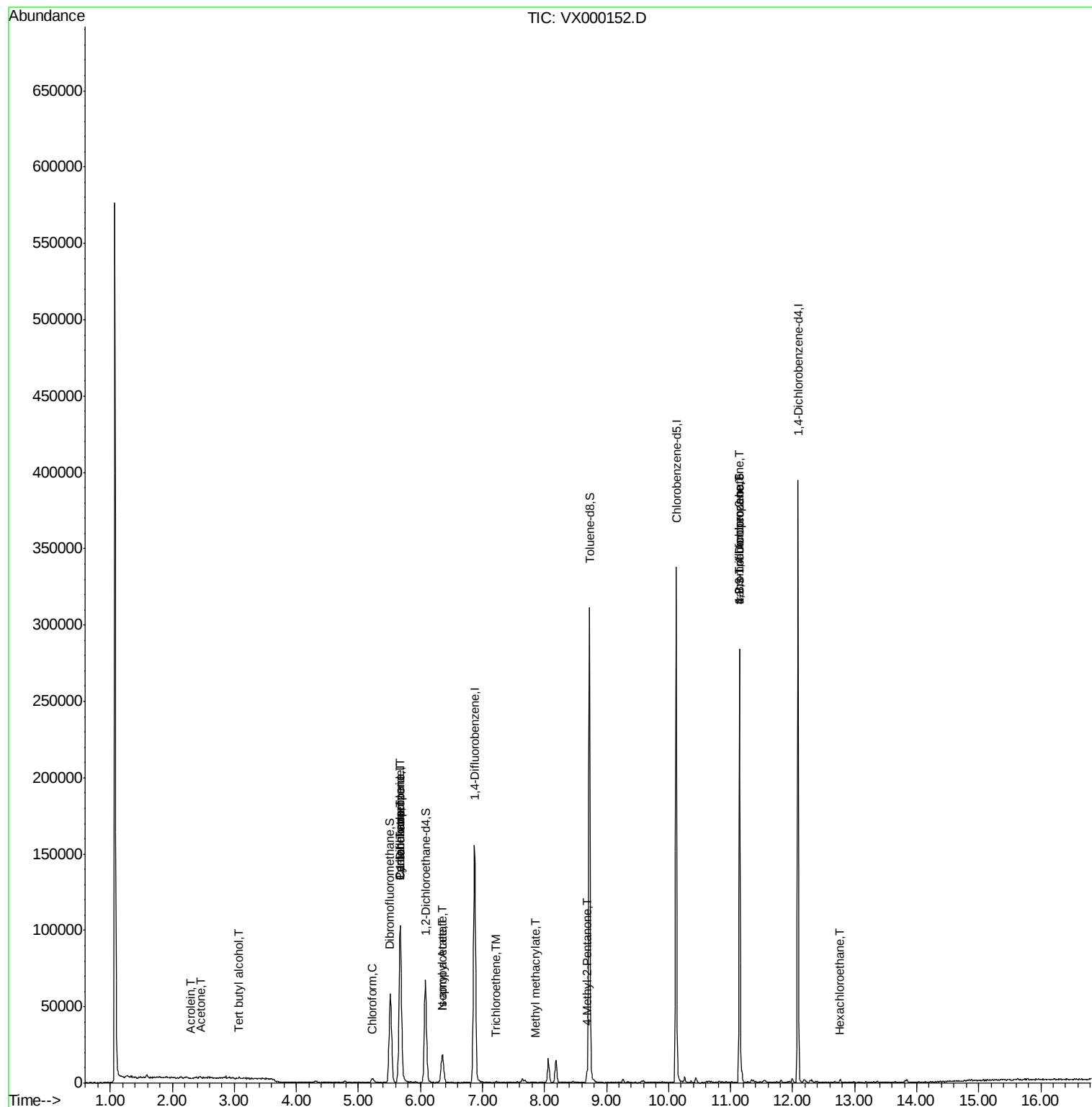
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.67	94	78	Below Cal	#	3
11) Tert butyl alcohol	3.08	59	795	1.67	ug/l #	92
13) Acrolein	2.30	56	140	0.62	ug/l #	15
16) Acetone	2.45	43	1601	2.00	ug/l #	86
20) Methylene Chloride	2.87	84	46	Below Cal	#	31
30) Chloroform	5.22	83	2732	1.45	ug/l #	76
31) Cyclohexane	5.67	56	2738	1.77	ug/l #	62
36) 1,1-Dichloropropene	5.67	75	7525	5.24	ug/l #	48
38) Carbon Tetrachloride	5.67	117	10075	6.49	ug/l #	16
41) Methacrylonitrile	5.04	41	74	Below Cal	#	1
43) Isopropyl Acetate	6.35	43	4783	1.68	ug/l #	60
44) Trichloroethene	7.22	130	255	0.21	ug/l	85
48) Methyl methacrylate	7.87	41	283	0.20	ug/l #	39
51) 4-Methyl-2-Pentanone	8.68	43	948	0.46	ug/l #	36
74) N-amyl acetate	6.35	43	4783	2.06	ug/l #	57
76) 1,2,3-Trichloropropane	11.15	75	37320	24.87	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.15	75	37320	70.82	ug/l #	12
90) Hexachloroethane	12.76	117	908	1.28	ug/l #	8

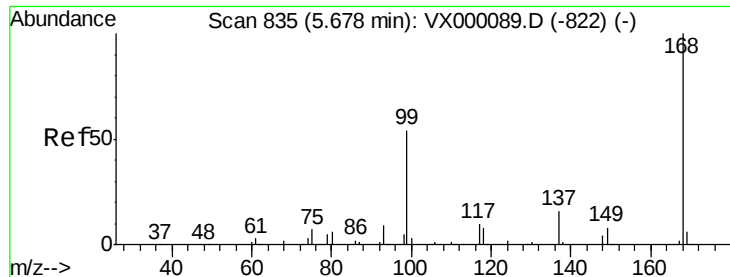
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Feb 15 12:46:41 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.68 min Scan# 835

Delta R.T. 0.00 min

Lab File: VX000152.D

Acq: 27 Feb 2018 18:51

Instrument :

ClientSampleId :

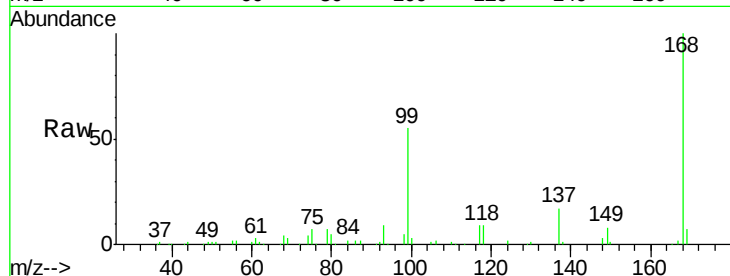
RFK-RMAB-MW06-GW

Tgt Ion:168 Resp: 98862

Ion Ratio Lower Upper

168 100

99 54.5 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.68

40000

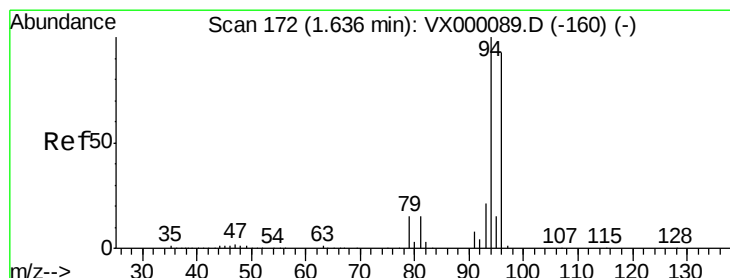
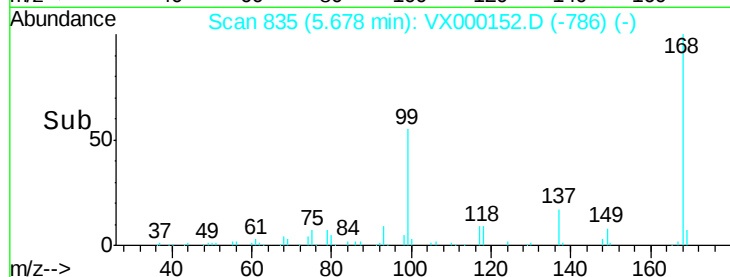
30000

20000

10000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.67 min Scan# 177

Delta R.T. 0.03 min

Lab File: VX000152.D

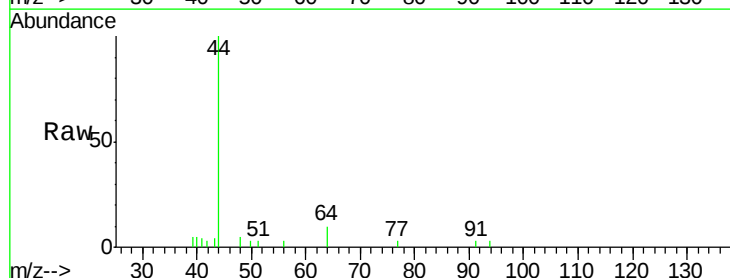
Acq: 27 Feb 2018 18:51

Tgt Ion: 94 Resp: 78

Ion Ratio Lower Upper

94 100

96 0.0 74.6 112.0#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

100

80

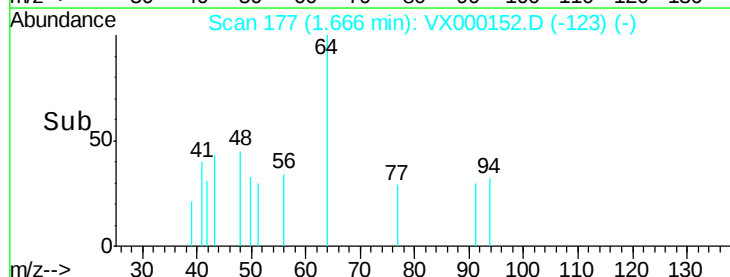
60

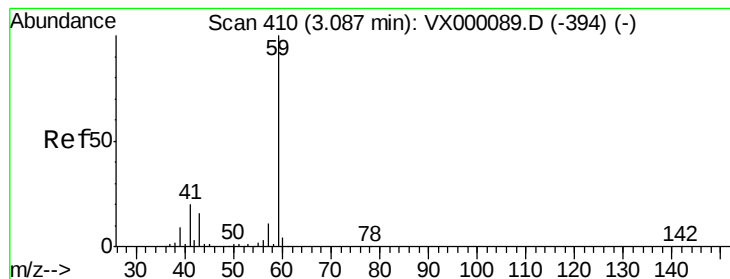
40

20

0

Time--> 1.64 1.66 1.68



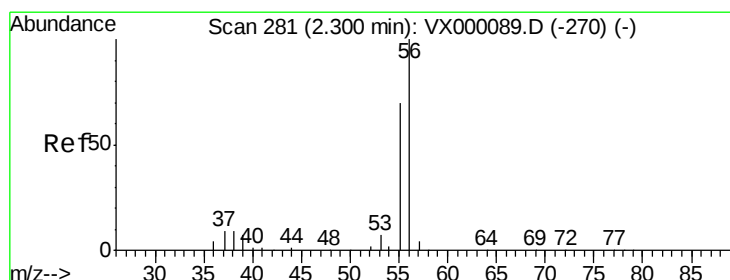
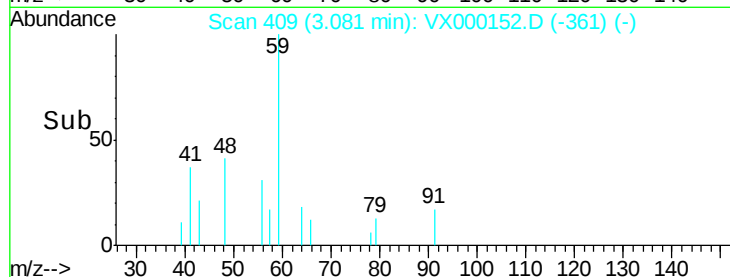
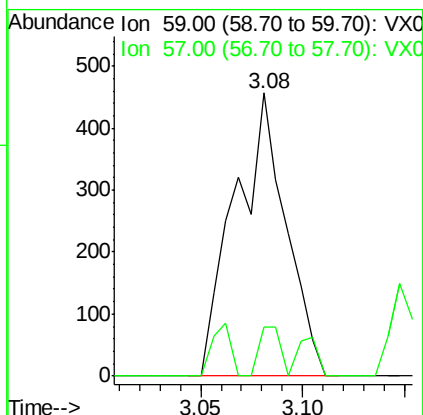
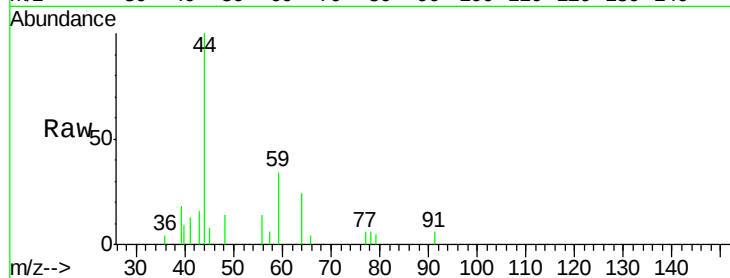


#11

Tert butyl alcohol
 Concen: 1.67 ug/l
 RT: 3.08 min Scan# 409
 Delta R.T. -0.01 min
 Lab File: VX000152.D
 Acq: 27 Feb 2018 18:51

Instrument :
 ClientSampled :
 RFK-RMAB-MW06-GW

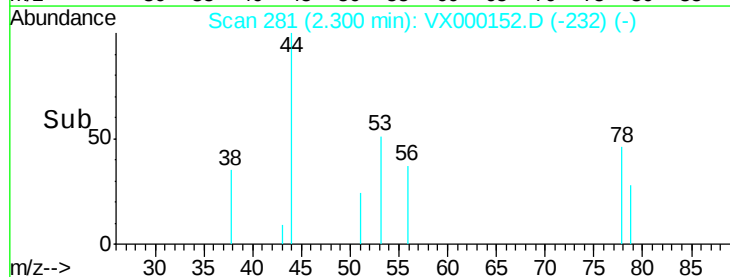
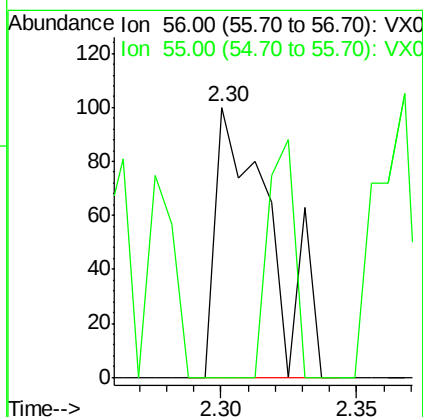
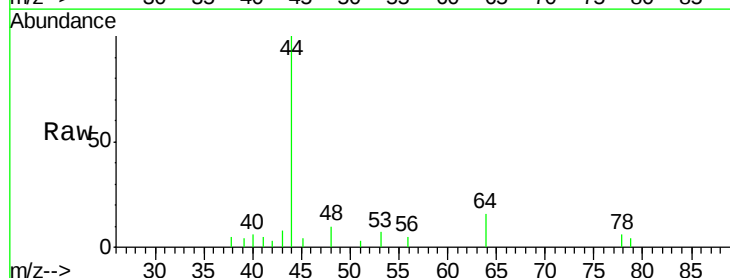
Tgt Ion: 59 Resp: 795
 Ion Ratio Lower Upper
 59 100
 57 7.3 8.3 12.5#

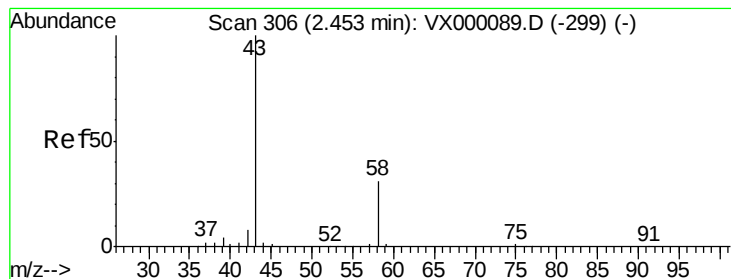


#13

Acrolein
 Concen: 0.62 ug/l
 RT: 2.30 min Scan# 281
 Delta R.T. 0.00 min
 Lab File: VX000152.D
 Acq: 27 Feb 2018 18:51

Tgt Ion: 56 Resp: 140
 Ion Ratio Lower Upper
 56 100
 55 0.0 56.2 84.4#





#16

Acetone

Concen: 2.00 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX000152.D

Acq: 27 Feb 2018 18:51

Instrument :

ClientSampleId :

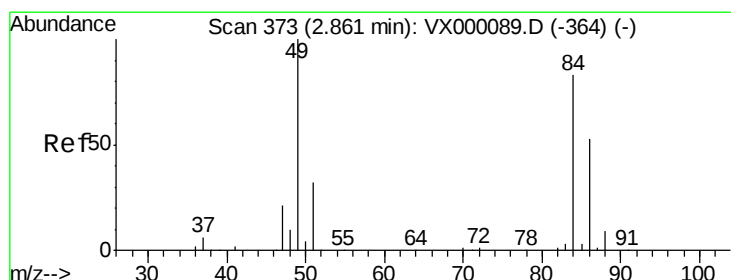
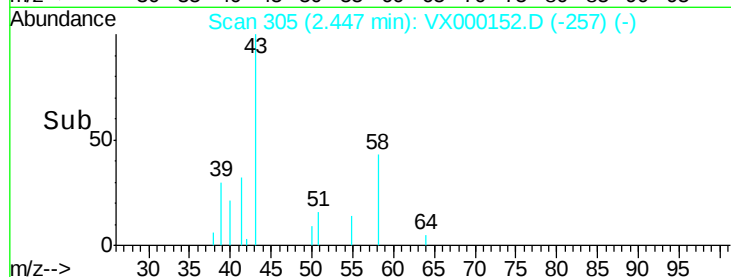
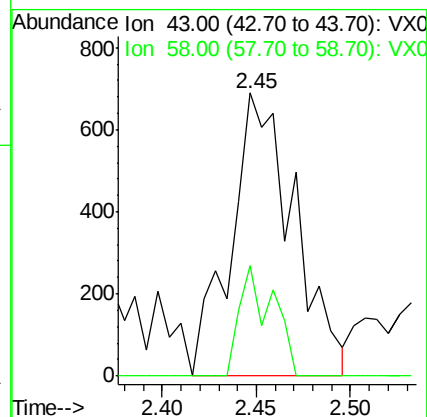
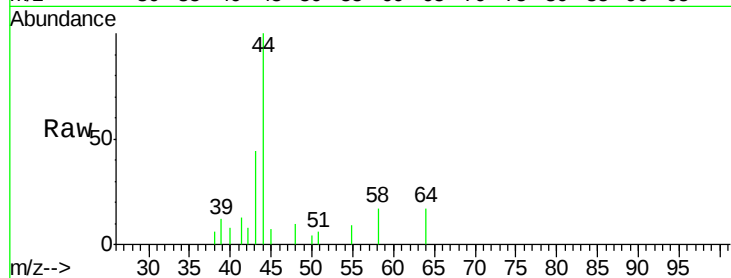
RFK-RMAB-MW06-GW

Tgt Ion: 43 Resp: 1601

Ion Ratio Lower Upper

43 100

58 39.2 25.0 37.4#



#20

Methylene Chloride

Concen: Below Cal

RT: 2.87 min Scan# 374

Delta R.T. 0.01 min

Lab File: VX000152.D

Acq: 27 Feb 2018 18:51

Tgt Ion: 84 Resp: 46

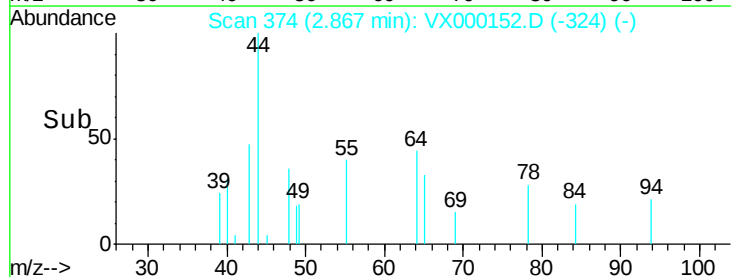
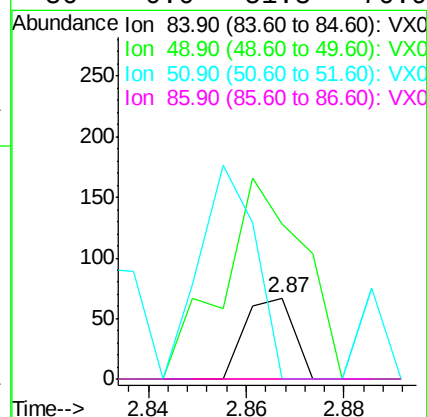
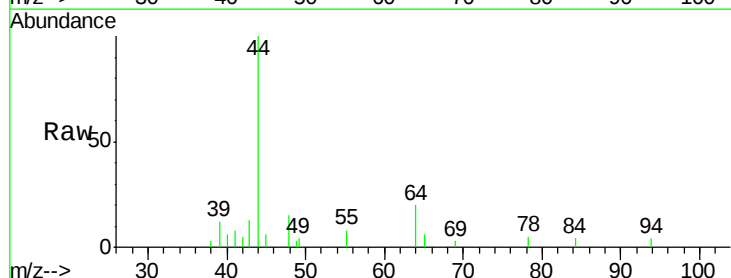
Ion Ratio Lower Upper

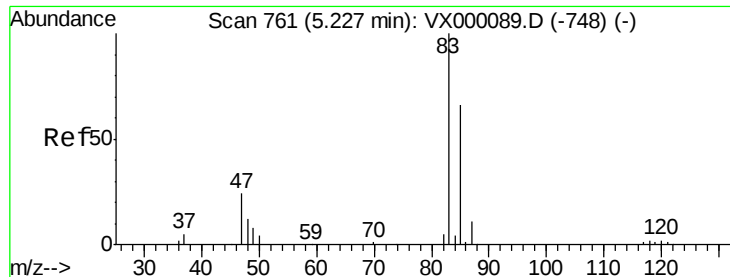
84 100

49 191.0 96.1 144.1#

51 0.0 30.5 45.7#

86 0.0 51.3 76.9#





#30

Chloroform

Concen: 1.45 ug/l

RT: 5.22 min Scan# 760

Delta R.T. -0.01 min

Lab File: VX000152.D

Acq: 27 Feb 2018 18:51

Instrument :

ClientSampled :

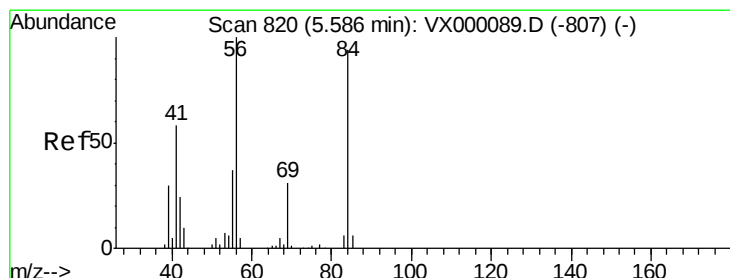
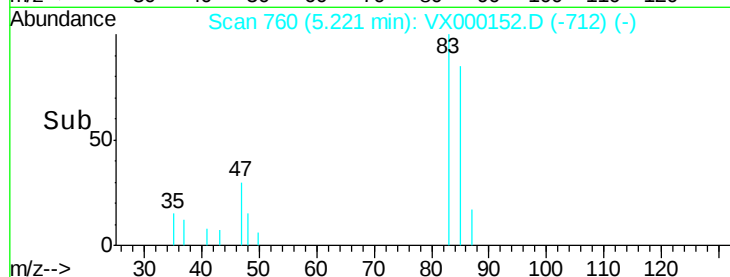
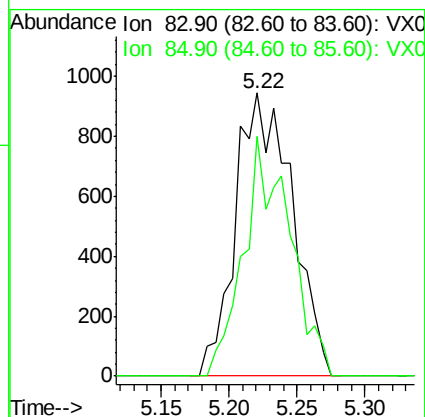
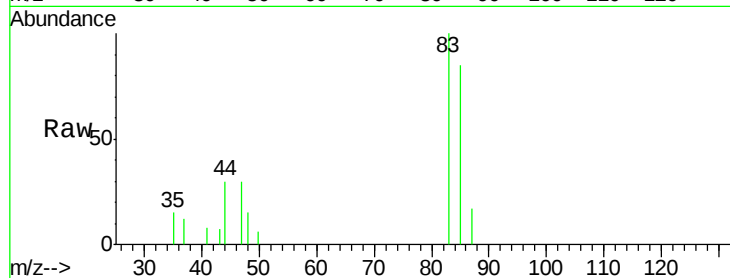
RFK-RMAB-MW06-GW

Tgt Ion: 83 Resp: 2732

Ion Ratio Lower Upper

83 100

85 84.7 52.7 79.1#



#31

Cyclohexane

Concen: 1.77 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.08 min

Lab File: VX000152.D

Acq: 27 Feb 2018 18:51

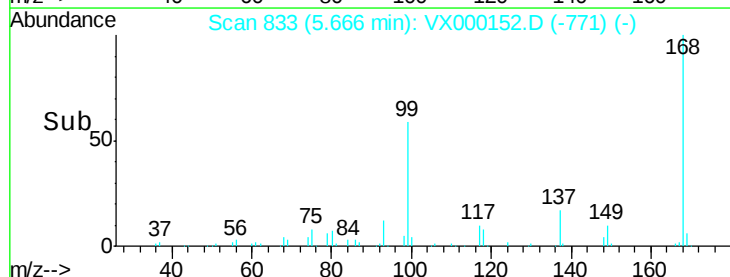
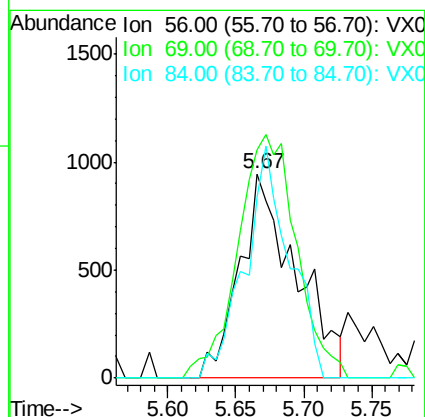
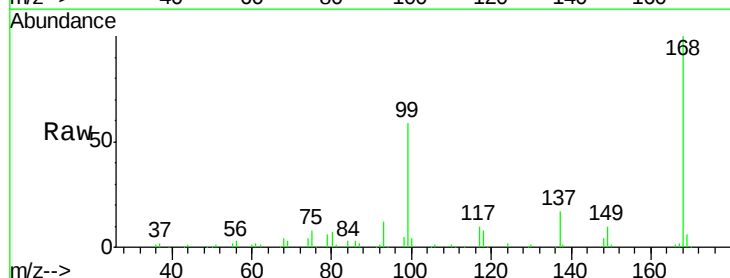
Tgt Ion: 56 Resp: 2738

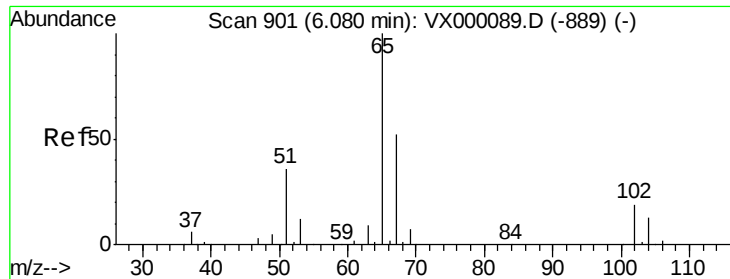
Ion Ratio Lower Upper

56 100

69 106.0 24.9 37.3#

84 88.7 75.0 112.4

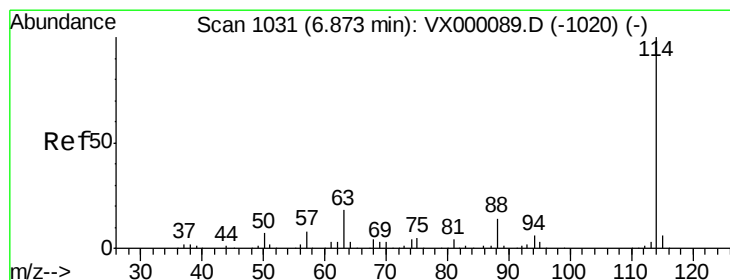
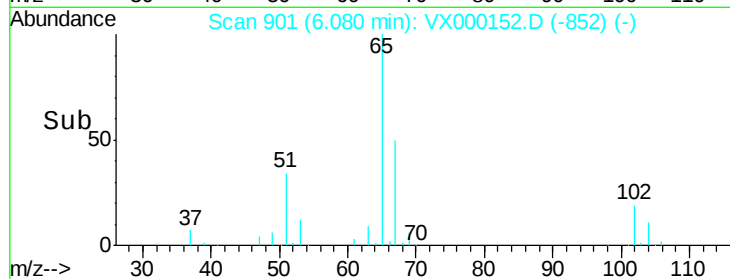
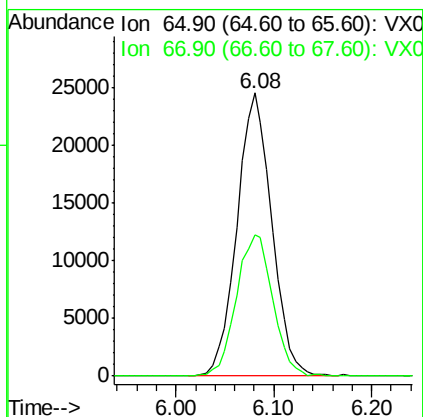
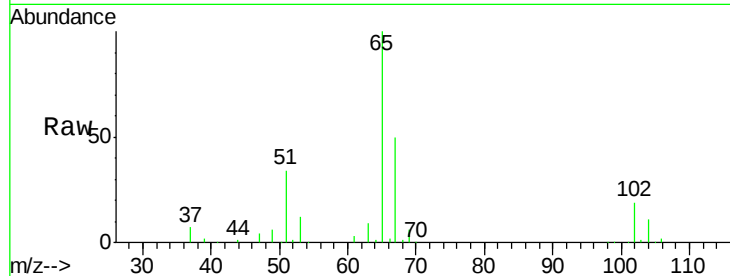




#33
 1,2-Dichloroethane-d4
 Concen: 49.01 ug/l
 RT: 6.08 min Scan# 901
 Delta R.T. 0.00 min
 Lab File: VX000152.D
 Acq: 27 Feb 2018 18:51

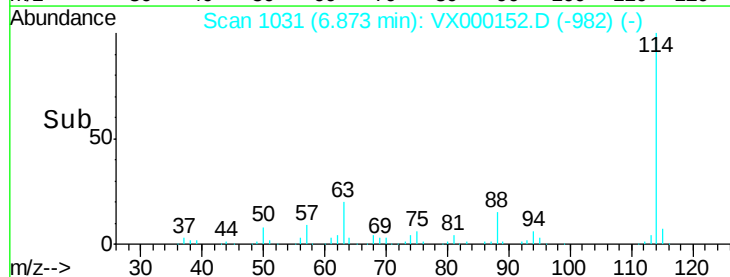
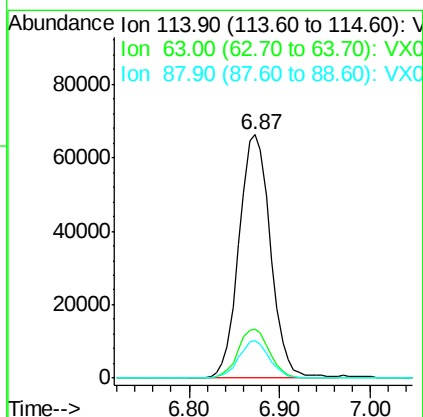
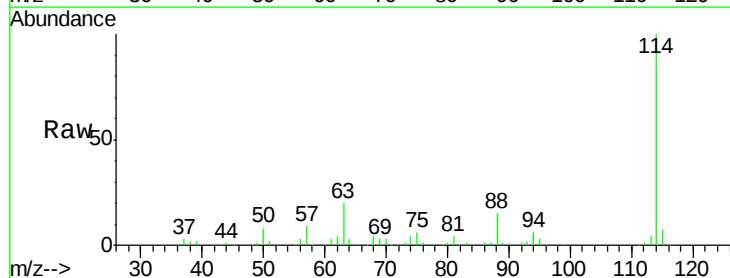
Instrument :
 ClientSampled :
 RFK-RMAB-MW06-GW

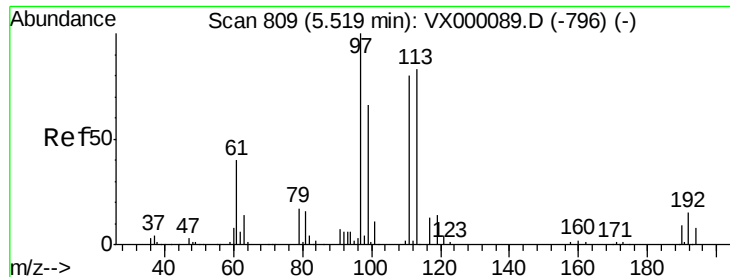
Tgt Ion: 65 Resp: 60512
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 104.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. 0.00 min
 Lab File: VX000152.D
 Acq: 27 Feb 2018 18:51

Tgt Ion: 114 Resp: 160112
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 36.4
 88 15.3 0.0 29.0

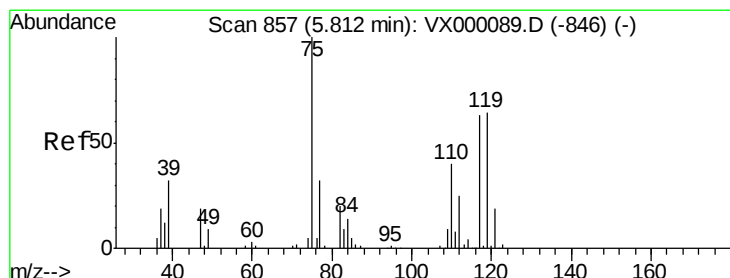
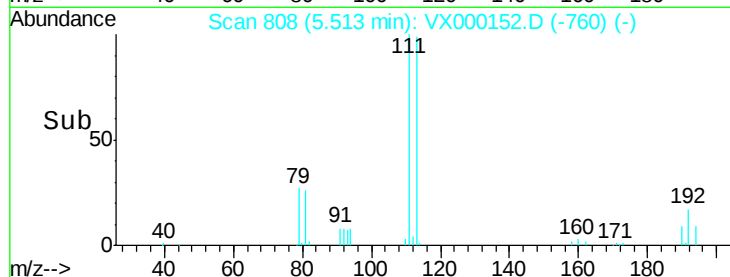
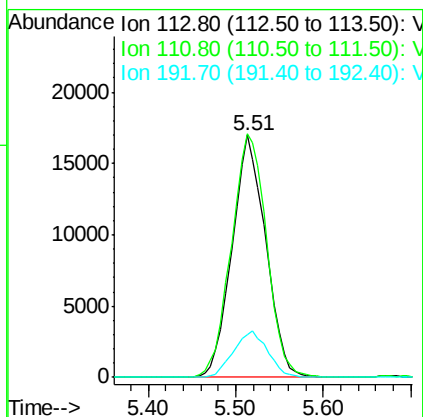
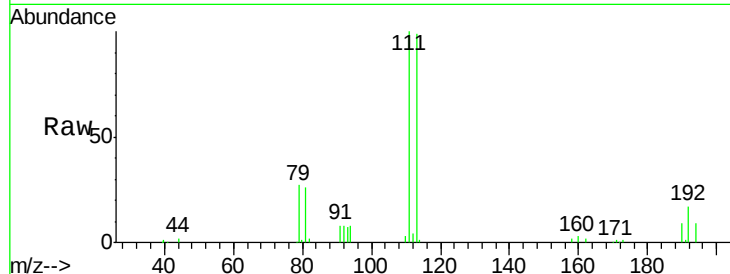




#35
 Dibromofluoromethane
 Concen: 44.96 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. -0.01 min
 Lab File: VX000152.D
 Acq: 27 Feb 2018 18:51

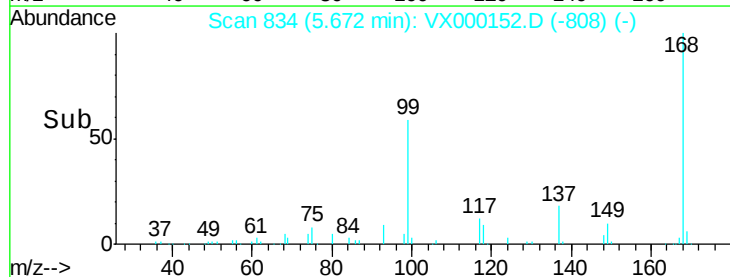
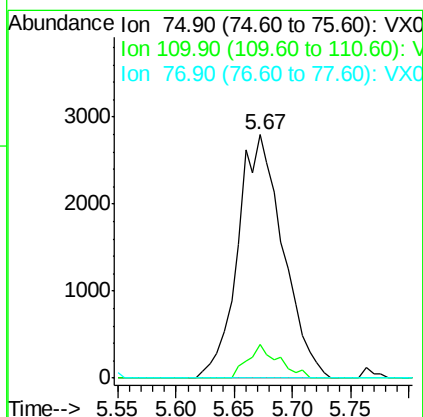
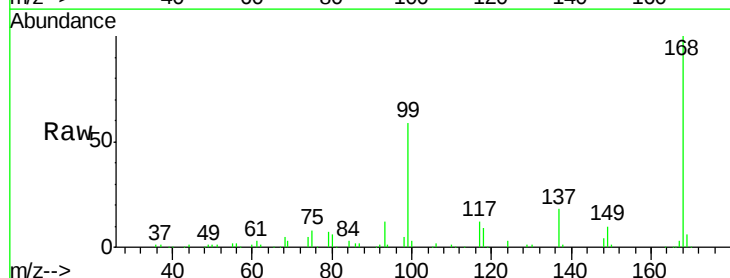
Instrument :
 ClientSampleId :
 RFK-RMAB-MW06-GW

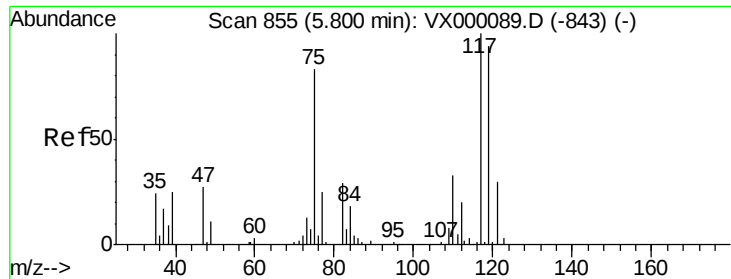
Tgt Ion:113 Resp: 45432
 Ion Ratio Lower Upper
 113 100
 111 105.4 81.0 121.6
 192 19.6 15.7 23.5



#36
 1,1-Dichloropropene
 Concen: 5.24 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.14 min
 Lab File: VX000152.D
 Acq: 27 Feb 2018 18:51

Tgt Ion: 75 Resp: 7525
 Ion Ratio Lower Upper
 75 100
 110 9.6 19.5 58.5#
 77 0.0 24.7 37.1#

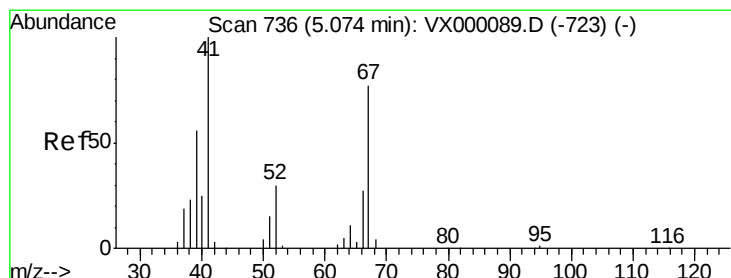
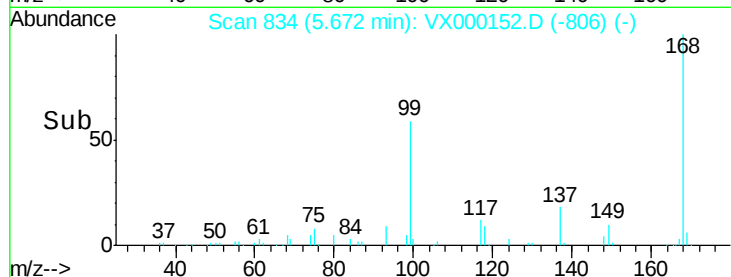
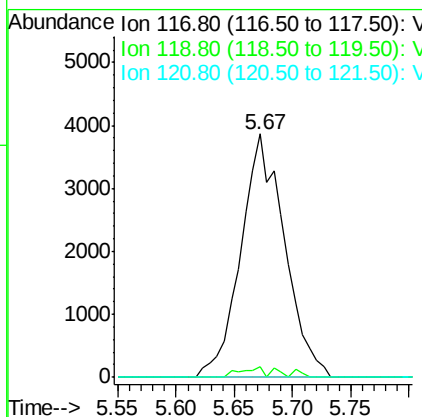
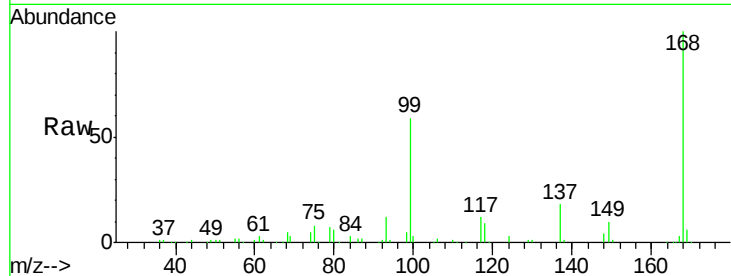




#38
Carbon Tetrachloride
Concen: 6.49 ug/l
RT: 5.67 min Scan# 834
Delta R.T. -0.13 min
Lab File: VX000152.D
Acq: 27 Feb 2018 18:51

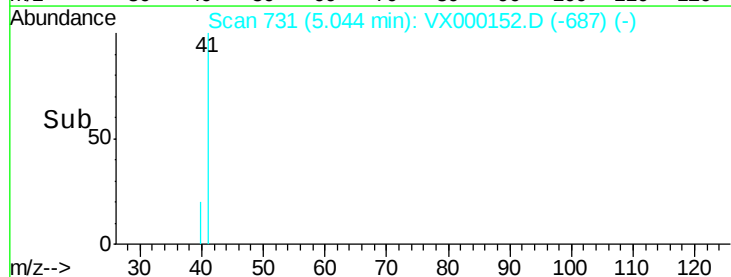
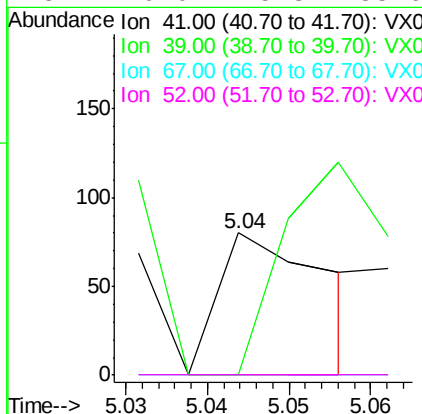
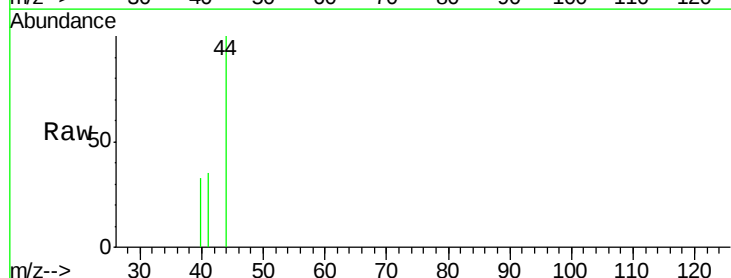
Instrument :
ClientSampled :
RFK-RMAB-MW06-GW

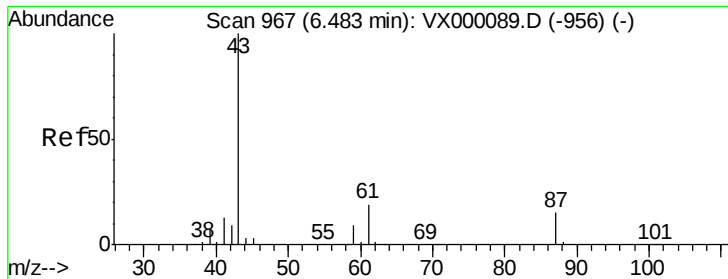
Tgt Ion:117 Resp: 10075
Ion Ratio Lower Upper
117 100
119 4.2 75.3 112.9#
121 0.0 23.7 35.5#



#41
Methacrylonitrile
Concen: Below Cal
RT: 5.04 min Scan# 731
Delta R.T. -0.03 min
Lab File: VX000152.D
Acq: 27 Feb 2018 18:51

Tgt Ion: 41 Resp: 74
Ion Ratio Lower Upper
41 100
39 243.2 45.1 67.7#
67 0.0 61.0 91.4#
52 0.0 25.8 38.6#

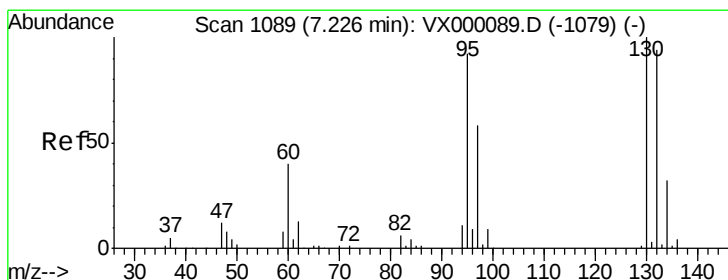
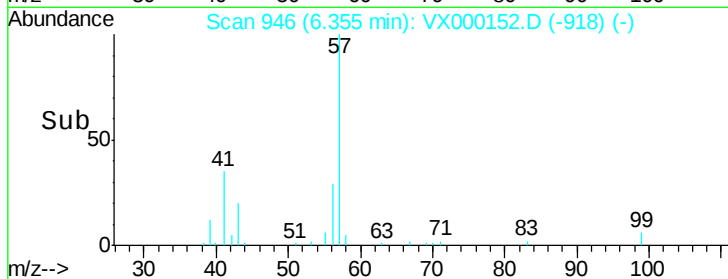
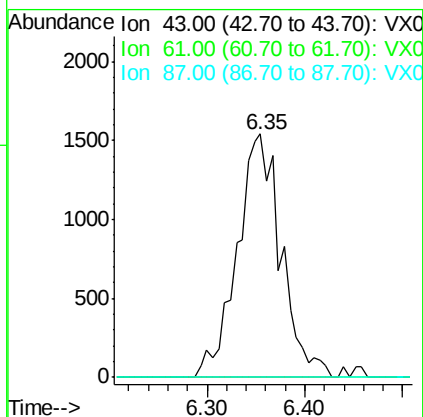
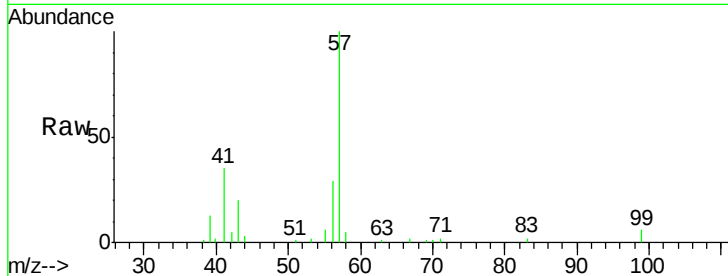




#43
Isopropyl Acetate
Concen: 1.68 ug/l
RT: 6.35 min Scan# 946
Delta R.T. -0.13 min
Lab File: VX000152.D
Acq: 27 Feb 2018 18:51

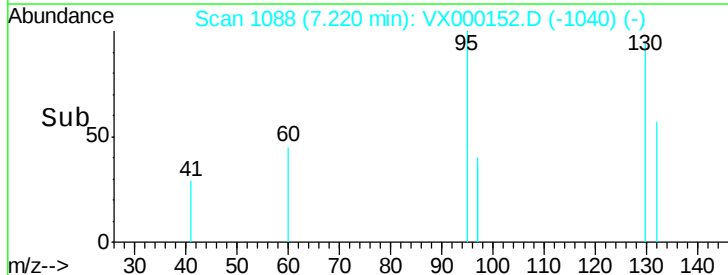
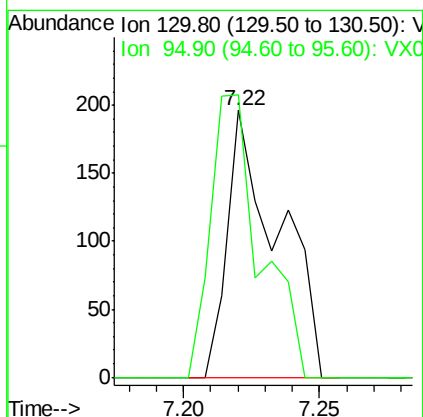
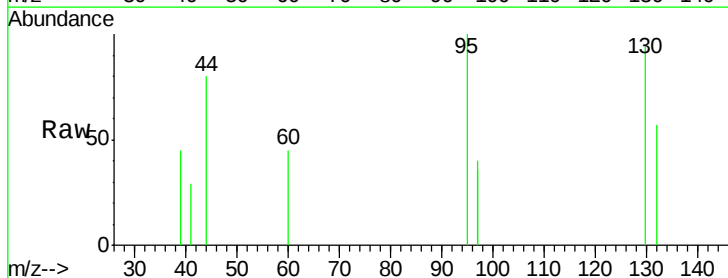
Instrument :
ClientSampleId :
RFK-RMAB-MW06-GW

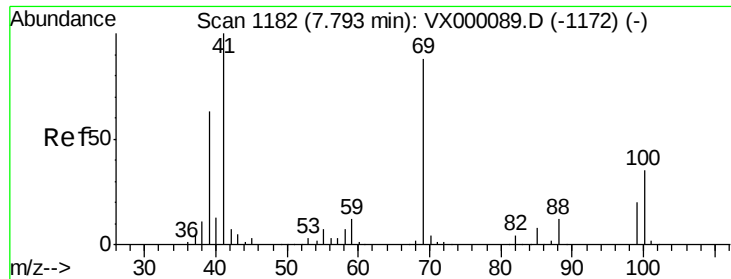
Tgt Ion: 43 Resp: 4783
Ion Ratio Lower Upper
43 100
61 0.0 15.6 23.4#
87 0.0 11.7 17.5#



#44
Trichloroethene
Concen: 0.21 ug/l
RT: 7.22 min Scan# 1088
Delta R.T. -0.01 min
Lab File: VX000152.D
Acq: 27 Feb 2018 18:51

Tgt Ion: 130 Resp: 255
Ion Ratio Lower Upper
130 100
95 106.1 0.0 183.4





#48

Methyl methacrylate

Concen: 0.20 ug/l

RT: 7.87 min Scan# 1194

Delta R.T. 0.07 min

Lab File: VX000152.D

Acq: 27 Feb 2018 18:51

Instrument :

ClientSampleId :

RFK-RMAB-MW06-GW

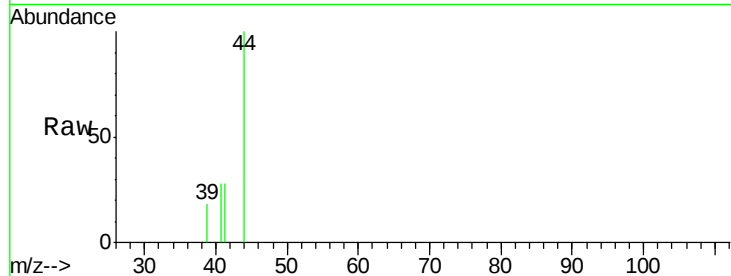
Tgt Ion: 41 Resp: 283

Ion Ratio Lower Upper

41 100

69 0.0 70.2 105.4#

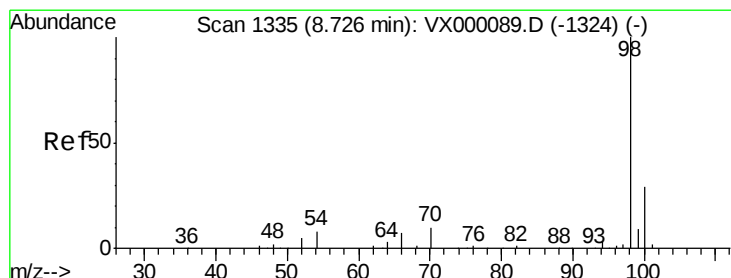
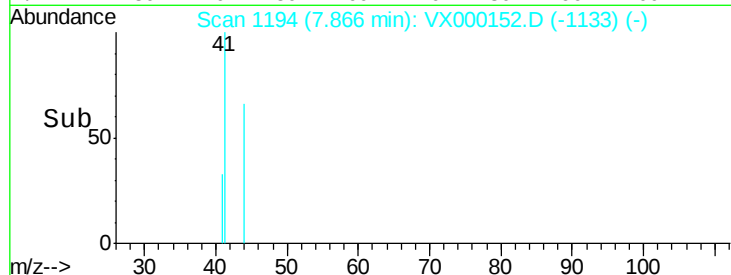
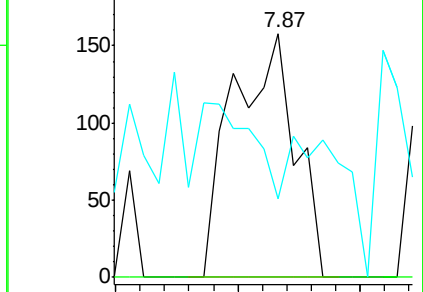
39 51.6 51.0 76.6



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



#50

Toluene-d8

Concen: 47.40 ug/l

RT: 8.73 min Scan# 1335

Delta R.T. 0.00 min

Lab File: VX000152.D

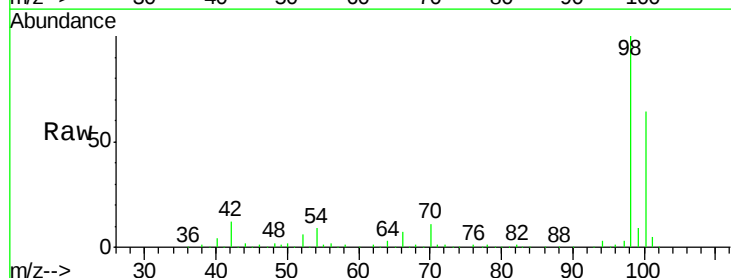
Acq: 27 Feb 2018 18:51

Tgt Ion: 98 Resp: 188956

Ion Ratio Lower Upper

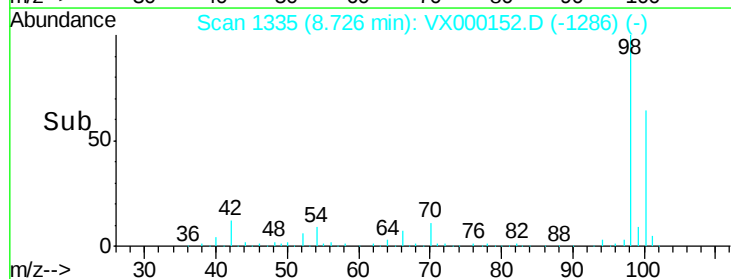
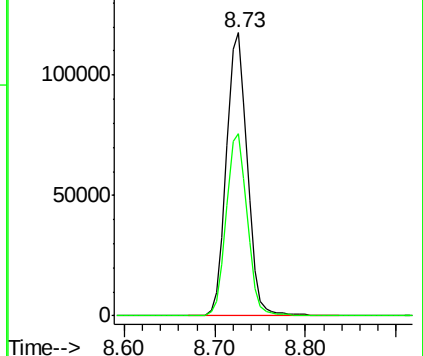
98 100

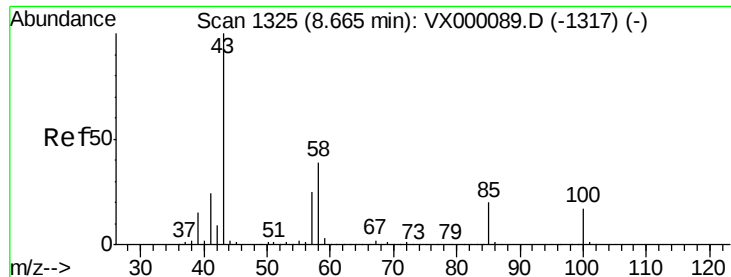
100 64.5 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 0.46 ug/l

RT: 8.68 min Scan# 1328

Delta R.T. 0.02 min

Lab File: VX000152.D

Acq: 27 Feb 2018 18:51

Instrument :

ClientSampleId :

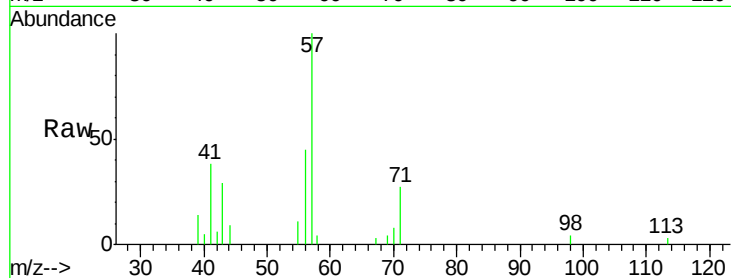
RFK-RMAB-MW06-GW

Tgt Ion: 43 Resp: 948

Ion Ratio Lower Upper

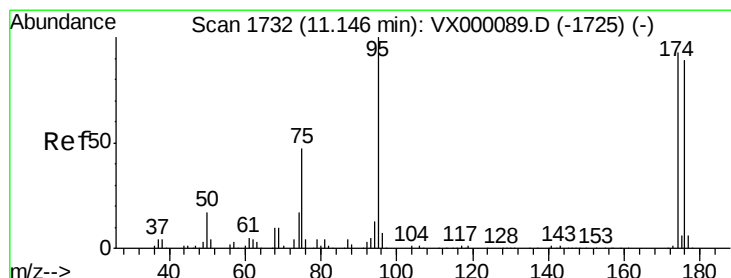
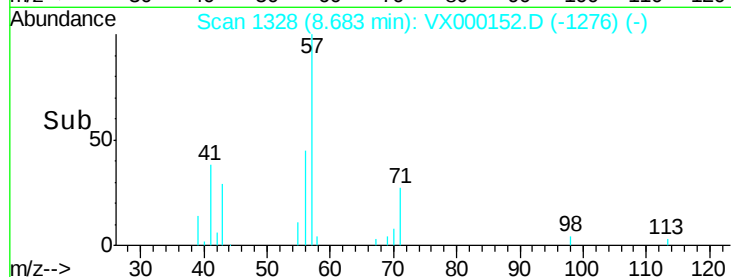
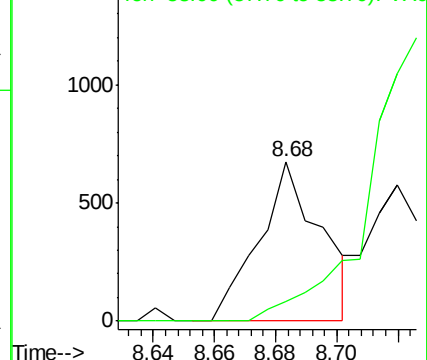
43 100

58 0.0 31.6 47.4#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#62

4-Bromofluorobenzene

Concen: 43.27 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VX000152.D

Acq: 27 Feb 2018 18:51

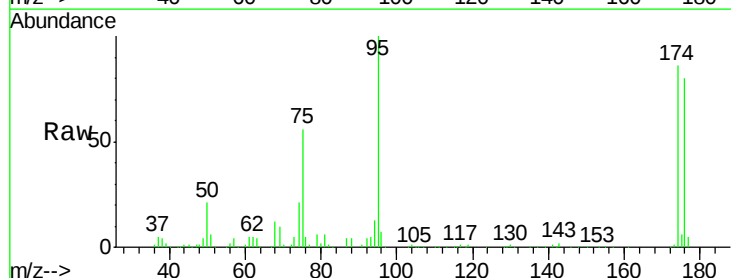
Tgt Ion: 95 Resp: 67625

Ion Ratio Lower Upper

95 100

174 84.5 0.0 187.8

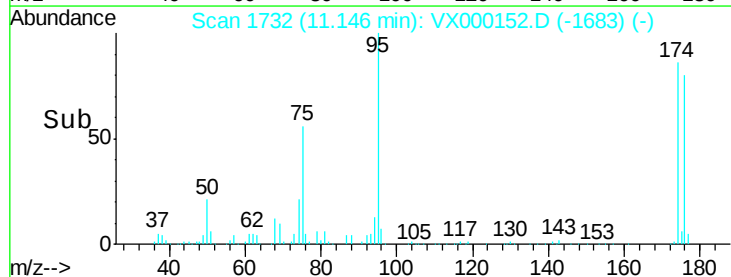
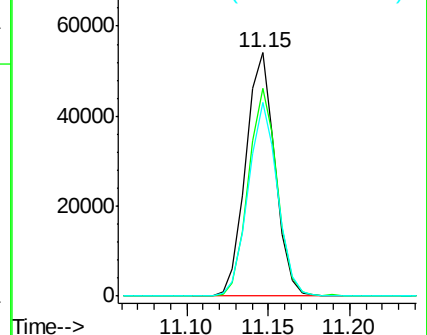
176 79.9 0.0 181.2

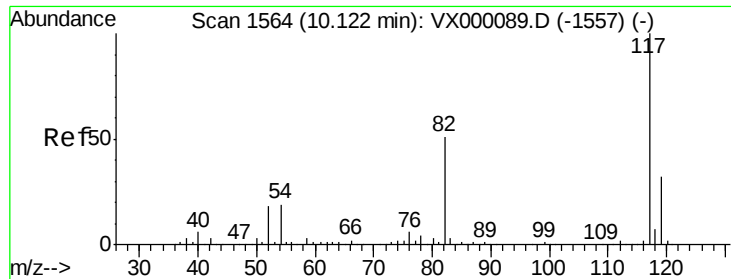


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VX000152.D

Acq: 27 Feb 2018 18:51

Instrument :

ClientSampleId :

RFK-RMAB-MW06-GW

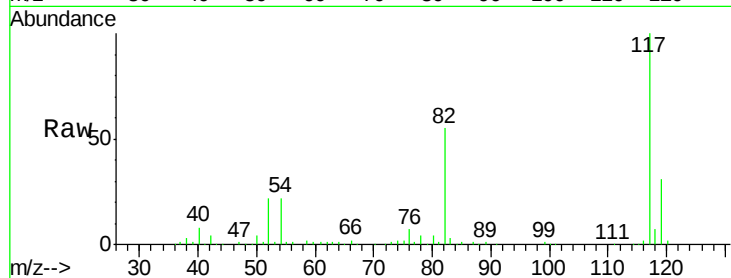
Tgt Ion:117 Resp: 144217

Ion Ratio Lower Upper

117 100

82 54.8 41.0 61.6

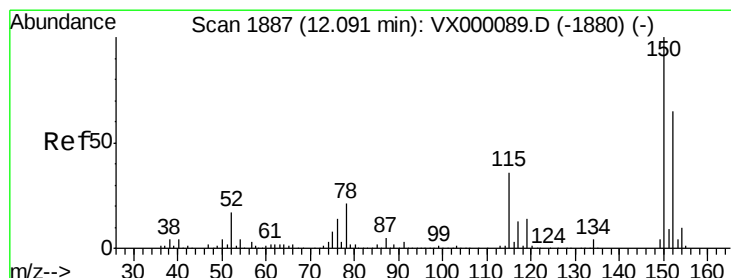
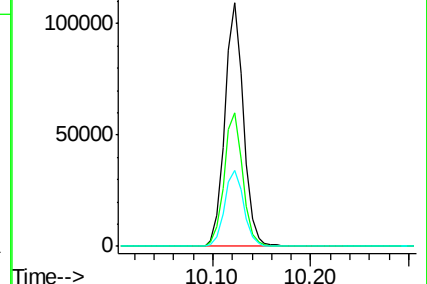
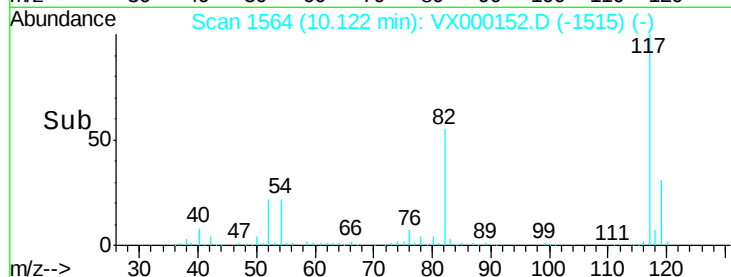
119 31.1 25.5 38.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.01 min

Lab File: VX000152.D

Acq: 27 Feb 2018 18:51

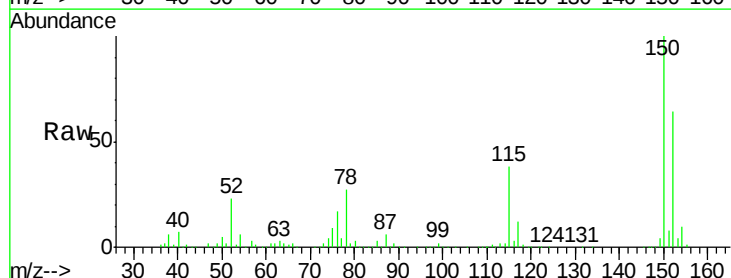
Tgt Ion:152 Resp: 72453

Ion Ratio Lower Upper

152 100

115 59.1 39.1 117.2

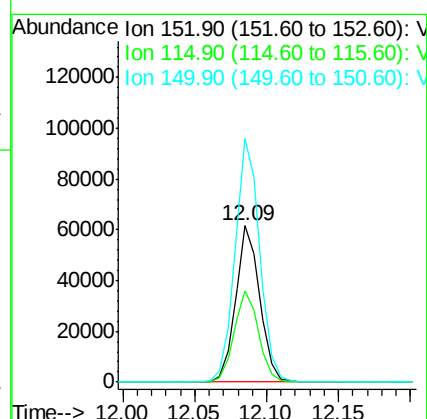
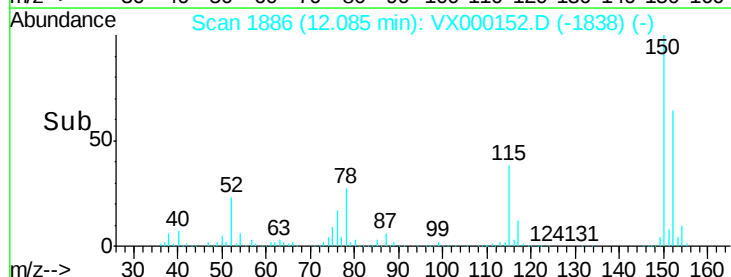
150 158.5 0.0 348.2

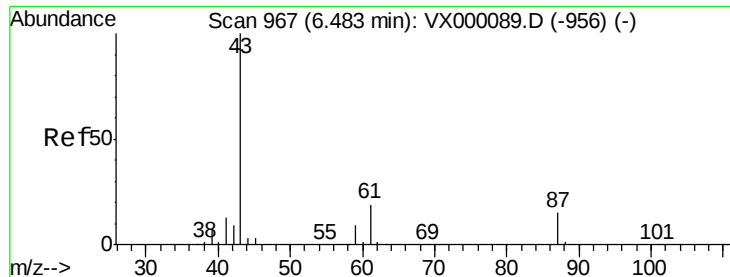


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-ethyl acetate

Concen: 2.06 ug/l

RT: 6.35 min Scan# 946

Delta R.T. -0.13 min

Lab File: VX000152.D

Acq: 27 Feb 2018 18:51

Instrument :

ClientSampleId :

RFK-RMAB-MW06-GW

Tgt Ion: 43 Resp: 4783

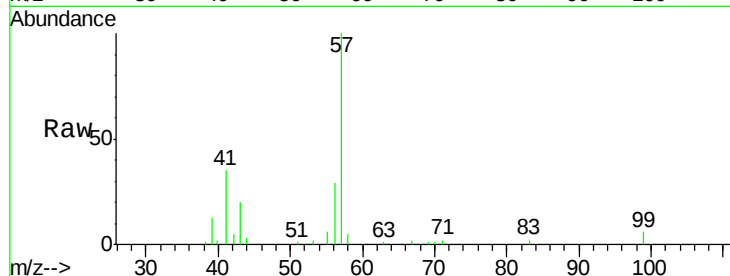
Ion Ratio Lower Upper

43 100

70 1.4 0.0 0.0#

55 34.4 0.1 0.1#

61 0.0 15.6 23.4#

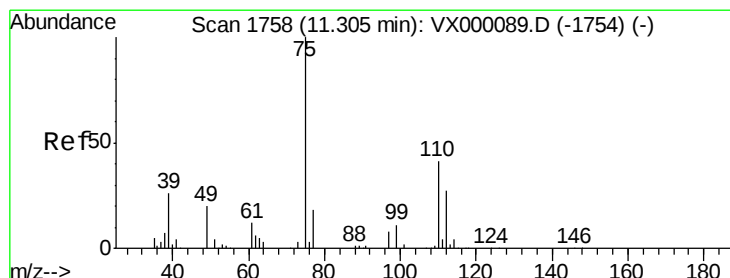
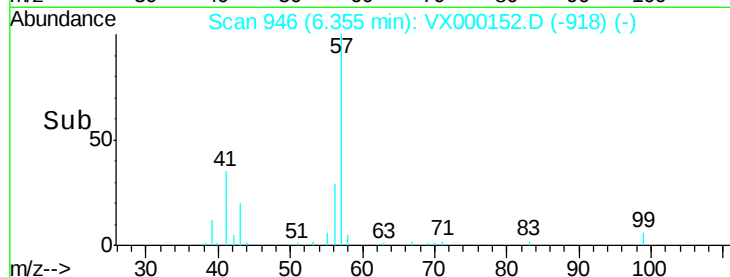
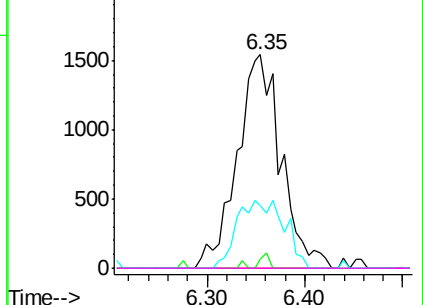


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#76

1,2,3-Trichloropropane

Concen: 24.87 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.16 min

Lab File: VX000152.D

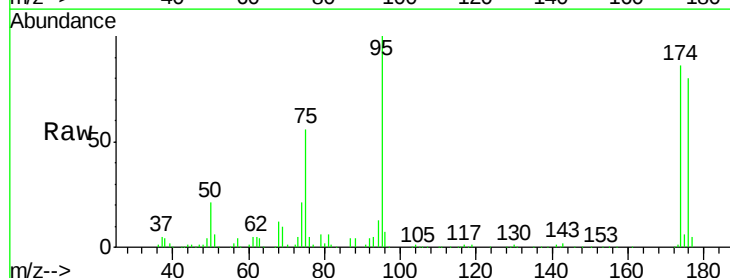
Acq: 27 Feb 2018 18:51

Tgt Ion: 75 Resp: 37320

Ion Ratio Lower Upper

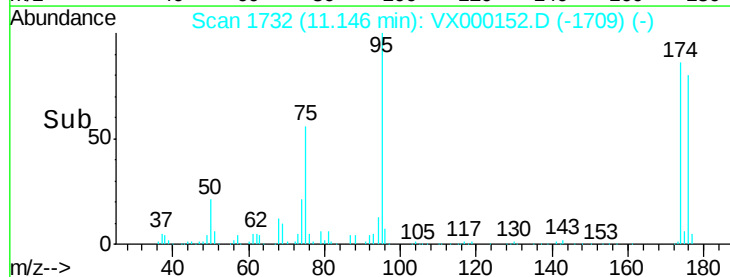
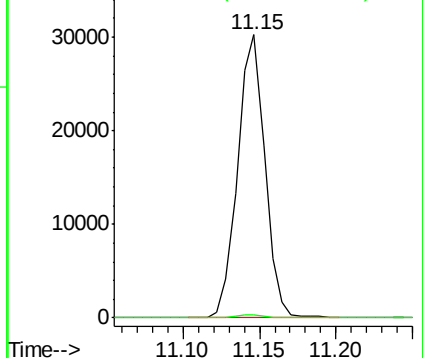
75 100

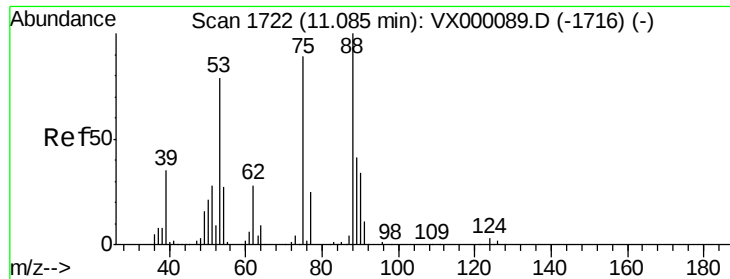
77 1.1 22.8 68.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 70.82 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.06 min

Lab File: VX000152.D

Acq: 27 Feb 2018 18:51

Instrument :

ClientSampleId :

RFK-RMAB-MW06-GW

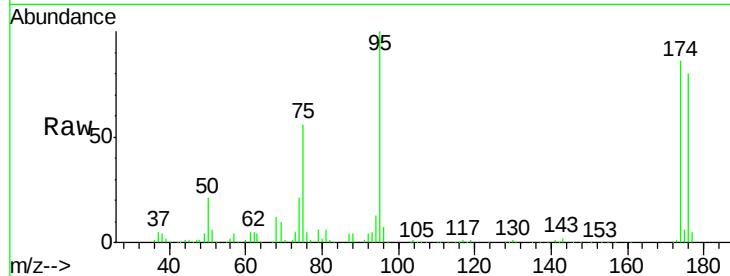
Tgt Ion: 75 Resp: 37320

Ion Ratio Lower Upper

75 100

53 0.0 72.3 108.5#

89 0.0 40.6 60.8#

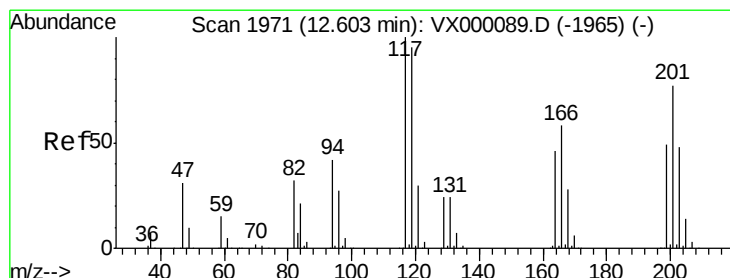
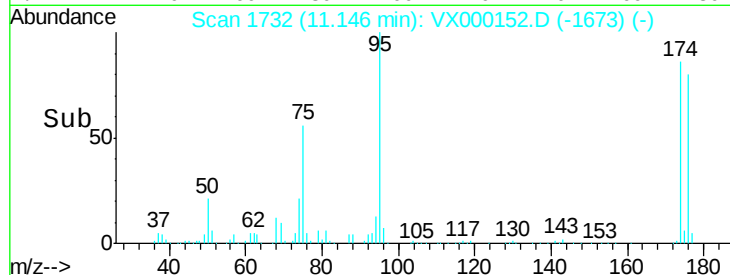
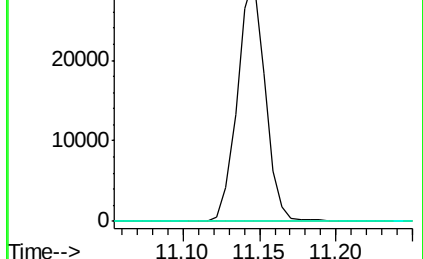


Abundance Ion 74.90 (74.60 to 75.60): VX000089.D (-1716) (-)

Ion 53.00 (52.70 to 53.70): VX000089.D (-1716) (-)

Ion 88.90 (88.60 to 89.60): VX000089.D (-1716) (-)

Time-->



#90

Hexachloroethane

Concen: 1.28 ug/l

RT: 12.76 min Scan# 1997

Delta R.T. 0.16 min

Lab File: VX000152.D

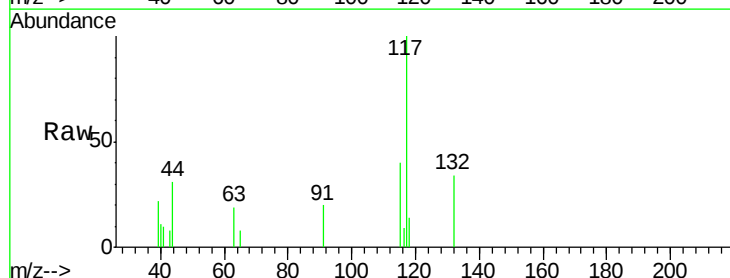
Acq: 27 Feb 2018 18:51

Tgt Ion: 117 Resp: 908

Ion Ratio Lower Upper

117 100

201 0.0 41.1 123.4#



Abundance Ion 116.80 (116.50 to 117.50): VX000089.D (-1965) (-)

Ion 200.70 (200.40 to 201.40): VX000089.D (-1965) (-)

Time-->

