

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX022718\
 Data File : VX000155.D
 Acq On : 27 Feb 2018 20:08
 Operator : JC/MD
 Sample : J1683-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 ClientSampleId :
 RFK-RMAB-MW11-GW

Quant Time: Feb 28 04:51:01 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	5.67	168	113300	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	180752	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	163482	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	83363	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.08	65	69580	49.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.36%	
35) Dibromofluoromethane	5.51	113	55100	48.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.60%	
50) Toluene-d8	8.73	98	215447	47.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.76%	
62) 4-Bromofluorobenzene	11.15	95	75686	42.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.78%	

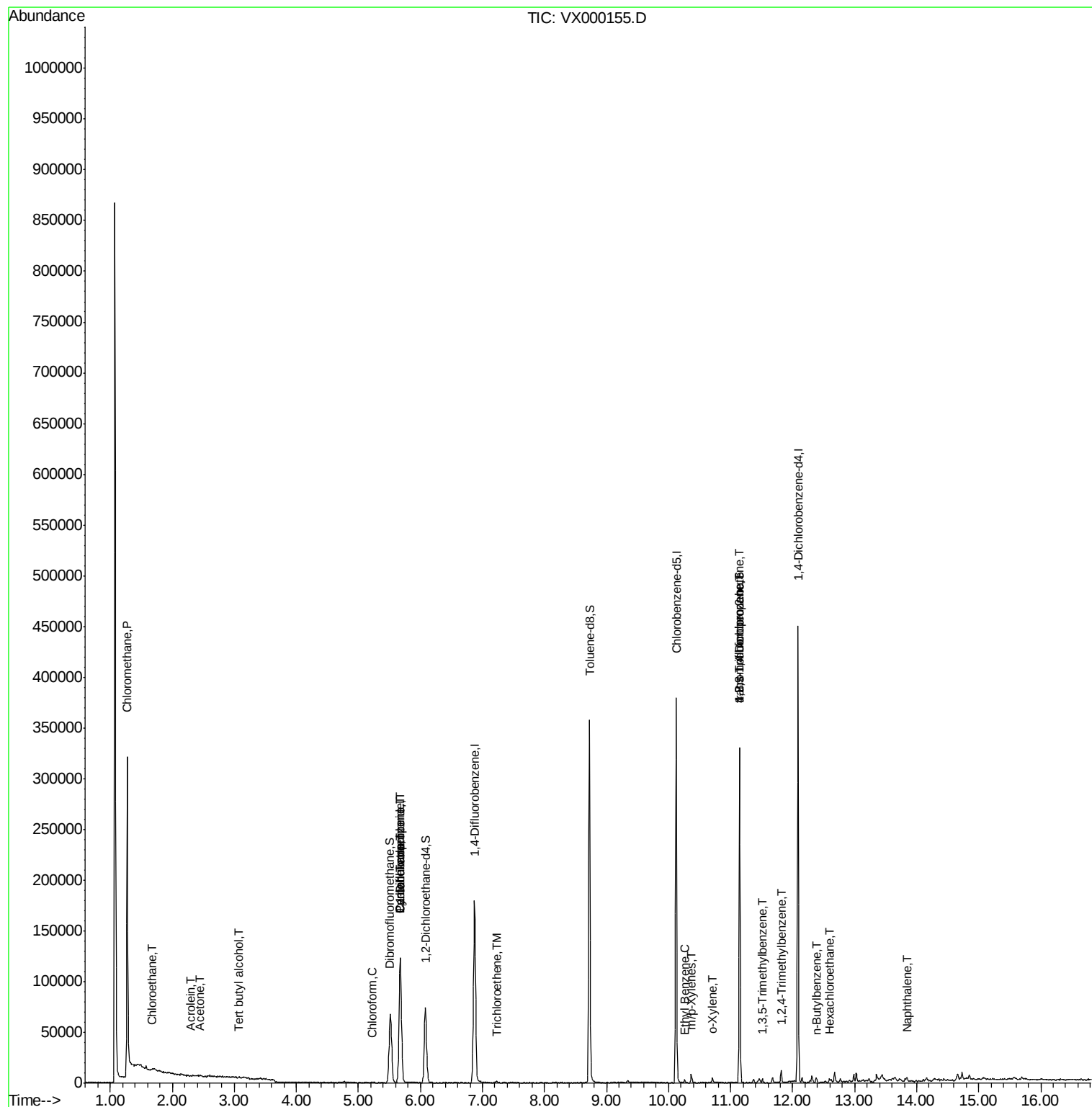
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.27	50	6609	5.78	ug/l #	42
5) Bromomethane	1.62	94	73	Below Cal	#	3
6) Chloroethane	1.67	64	502	0.59	ug/l #	42
11) Tert butyl alcohol	3.08	59	725	1.33	ug/l #	85
13) Acrolein	2.29	56	186	0.71	ug/l	91
16) Acetone	2.45	43	882	0.96	ug/l #	60
20) Methylene Chloride	2.87	84	137	Below Cal	#	41
30) Chloroform	5.22	83	554	0.26	ug/l #	81
31) Cyclohexane	5.67	56	2858	1.62	ug/l #	50
36) 1,1-Dichloropropene	5.67	75	9116	5.62	ug/l #	48
38) Carbon Tetrachloride	5.68	117	11696	6.68	ug/l #	17
41) Methacrylonitrile	5.09	41	24	Below Cal	#	1
44) Trichloroethene	7.23	130	593	0.43	ug/l	68
67) Ethyl Benzene	10.26	91	1893	0.33	ug/l #	81
68) m/p-Xylenes	10.37	106	1924	0.84	ug/l	85
69) o-Xylene	10.71	106	1236	0.56	ug/l	88
76) 1,2,3-Trichloropropane	11.15	75	41824	24.22	ug/l #	32
80) 1,3,5-Trimethylbenzene	11.51	105	1717	0.38	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.15	75	41824	68.98	ug/l #	12
84) 1,2,4-Trimethylbenzene	11.82	105	5231	1.13	ug/l	96
89) n-Butylbenzene	12.40	91	944	0.20	ug/l #	47
90) Hexachloroethane	12.59	117	350	0.43	ug/l #	8
95) Naphthalene	13.84	128	3039	0.44	ug/l #	96

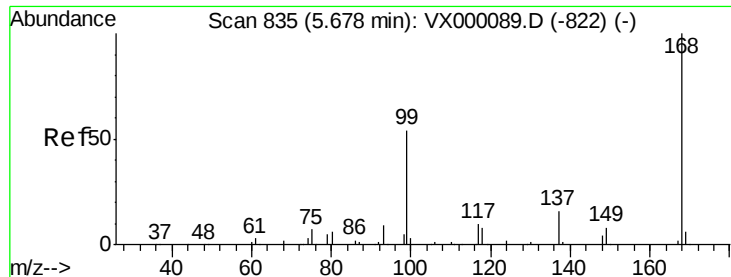
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.01 min

Lab File: VX000155.D

Acq: 27 Feb 2018 20:08

Instrument :

ClientSampleId :

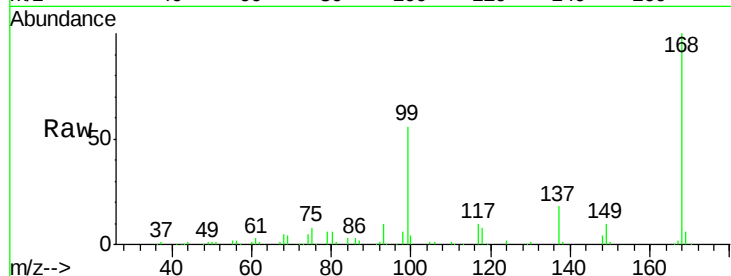
RFK-RMAB-MW11-GW

Tgt Ion: 168 Resp: 113300

Ion Ratio Lower Upper

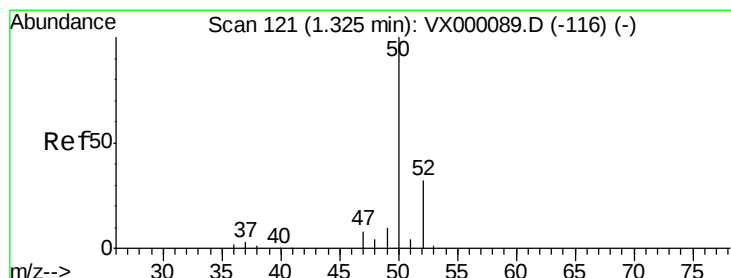
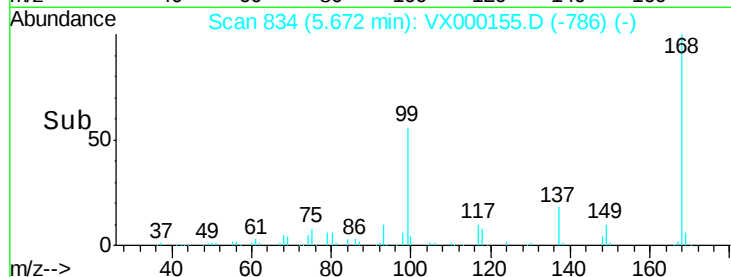
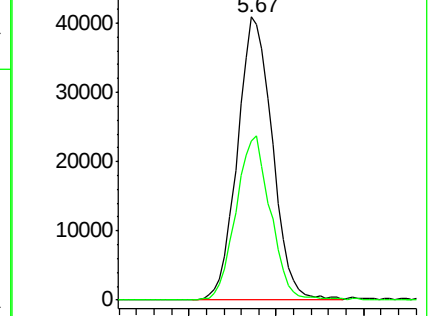
168 100

99 56.2 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 5.78 ug/l

RT: 1.27 min Scan# 112

Delta R.T. -0.06 min

Lab File: VX000155.D

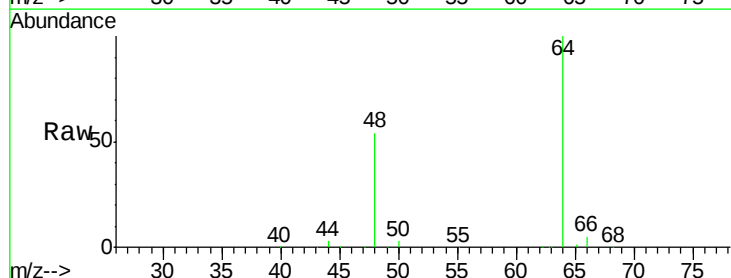
Acq: 27 Feb 2018 20:08

Tgt Ion: 50 Resp: 6609

Ion Ratio Lower Upper

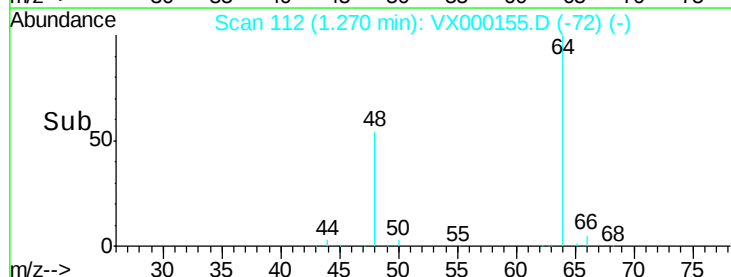
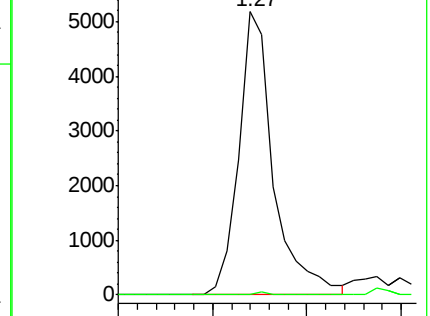
50 100

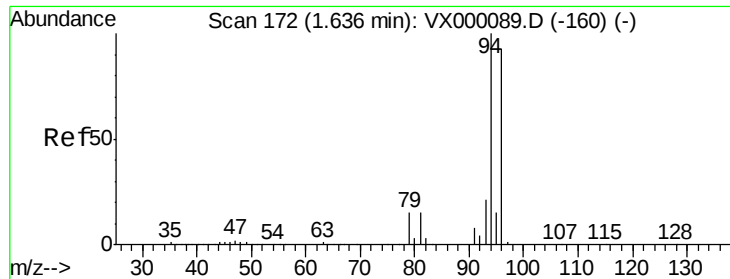
52 0.0 25.9 38.9#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: Below Cal

RT: 1.62 min Scan# 170

Delta R.T. -0.01 min

Lab File: VX000155.D

Acq: 27 Feb 2018 20:08

Instrument :

ClientSampleId :

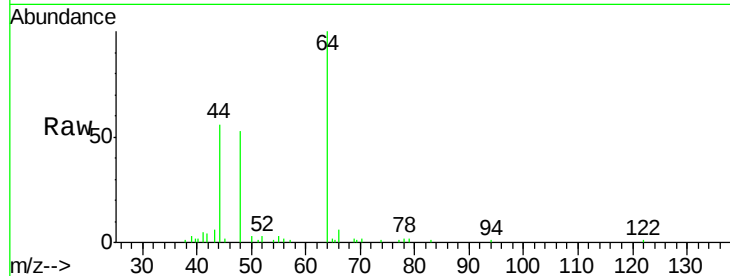
RFK-RMAB-MW11-GW

Tgt Ion: 94 Resp: 73

Ion Ratio Lower Upper

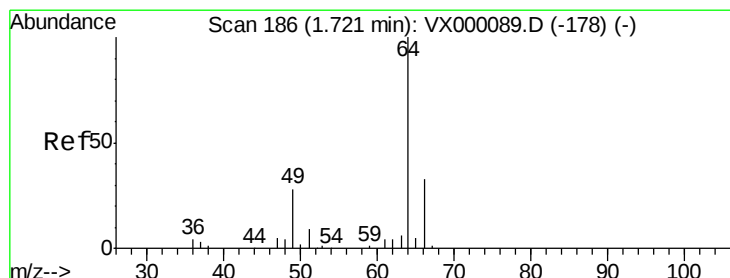
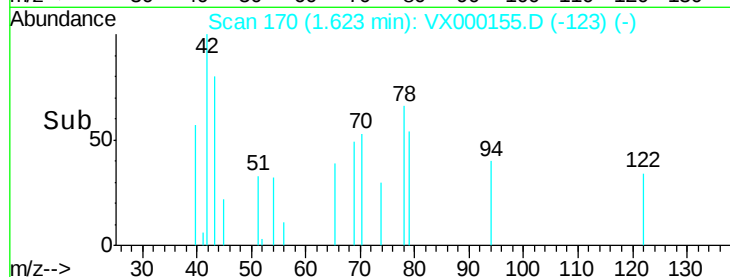
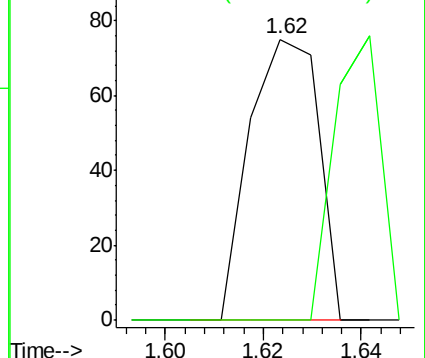
94 100

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



#6

Chloroethane

Concen: 0.59 ug/l

RT: 1.67 min Scan# 178

Delta R.T. -0.05 min

Lab File: VX000155.D

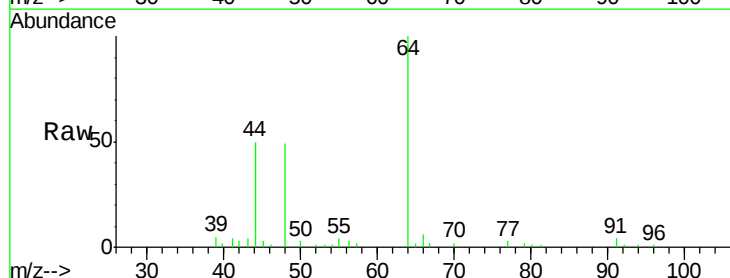
Acq: 27 Feb 2018 20:08

Tgt Ion: 64 Resp: 502

Ion Ratio Lower Upper

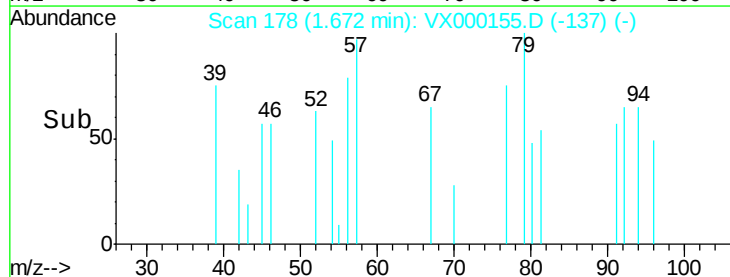
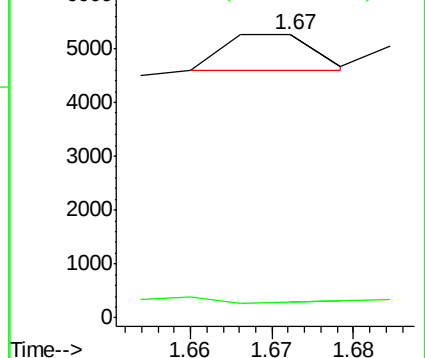
64 100

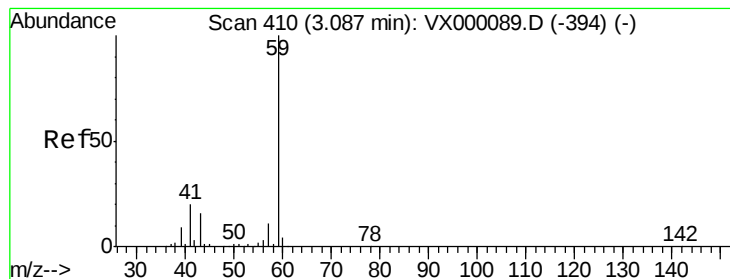
66 0.0 26.0 39.0#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#11

Tert butyl alcohol

Concen: 1.33 ug/l

RT: 3.08 min Scan# 409

Delta R.T. -0.01 min

Lab File: VX000155.D

Acq: 27 Feb 2018 20:08

Instrument :

ClientSampleId :

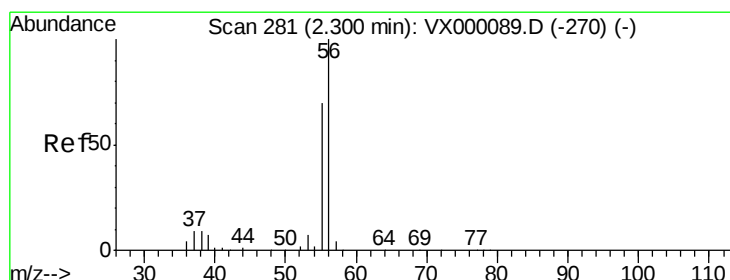
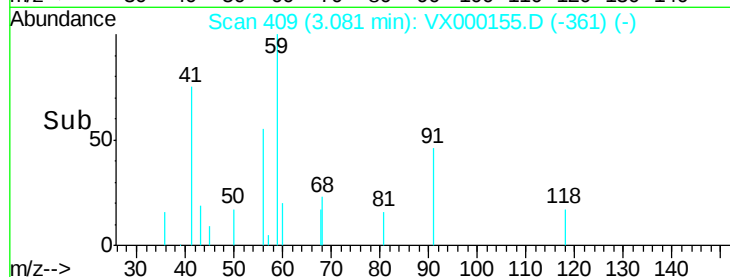
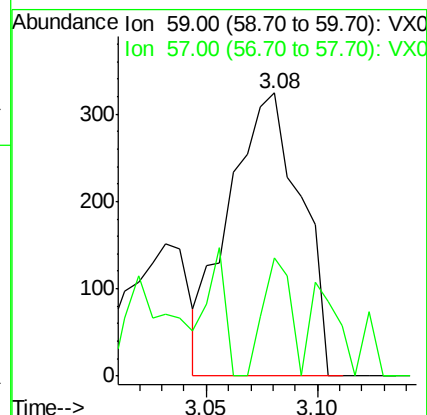
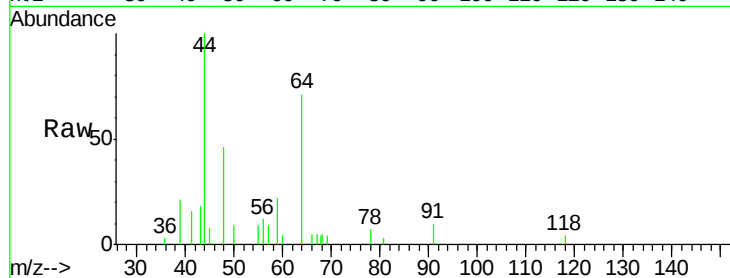
RFK-RMAB-MW11-GW

Tgt Ion: 59 Resp: 725

Ion Ratio Lower Upper

59 100

57 16.0 8.3 12.5#



#13

Acrolein

Concen: 0.71 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.01 min

Lab File: VX000155.D

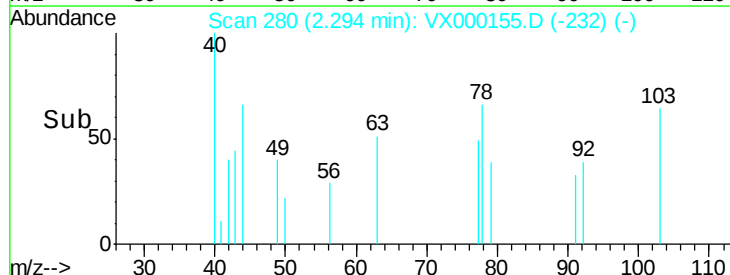
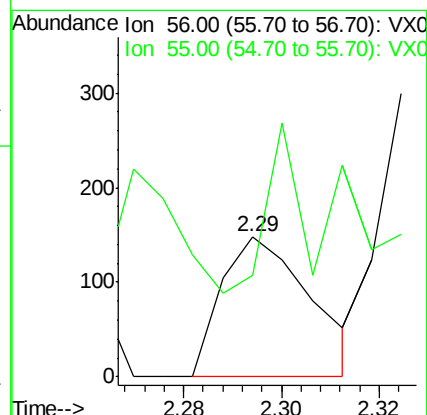
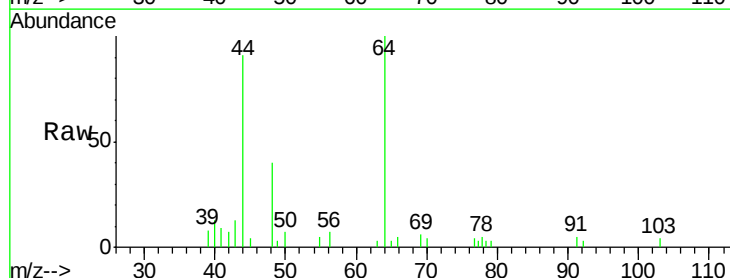
Acq: 27 Feb 2018 20:08

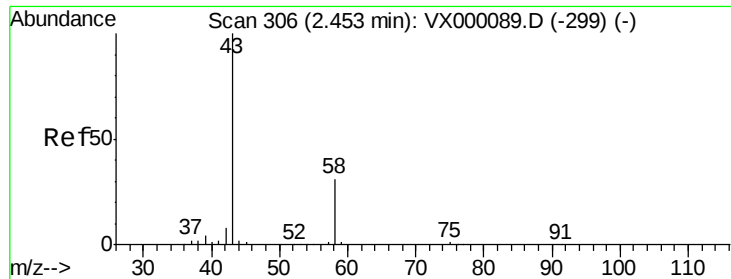
Tgt Ion: 56 Resp: 186

Ion Ratio Lower Upper

56 100

55 78.0 56.2 84.4





#16

Acetone

Concen: 0.96 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX000155.D

Acq: 27 Feb 2018 20:08

Instrument :

ClientSampled :

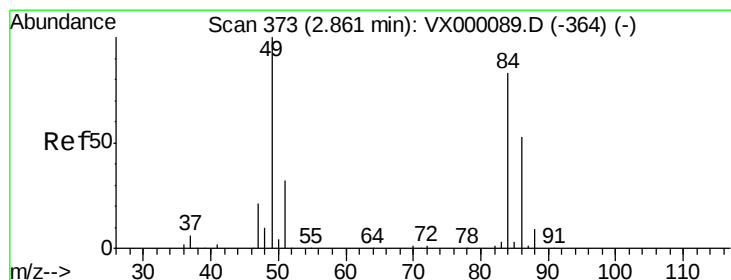
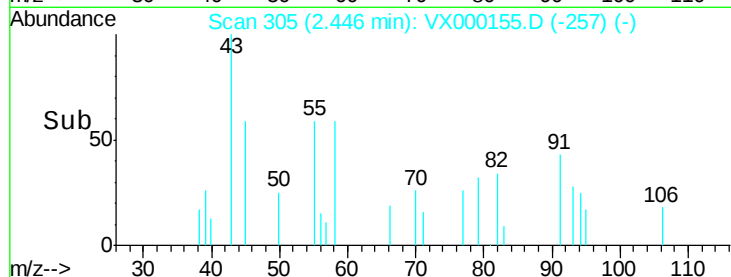
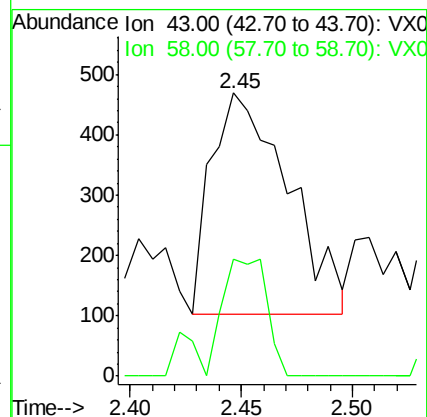
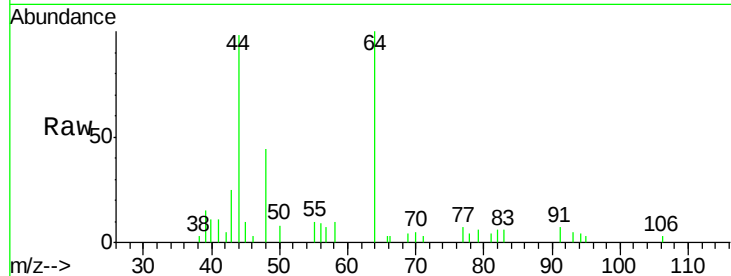
RFK-RMAB-MW11-GW

Tgt Ion: 43 Resp: 882

Ion Ratio Lower Upper

43 100

58 53.0 25.0 37.4#



#20

Methylene Chloride

Concen: Below Cal

RT: 2.87 min Scan# 374

Delta R.T. 0.01 min

Lab File: VX000155.D

Acq: 27 Feb 2018 20:08

Tgt Ion: 84 Resp: 137

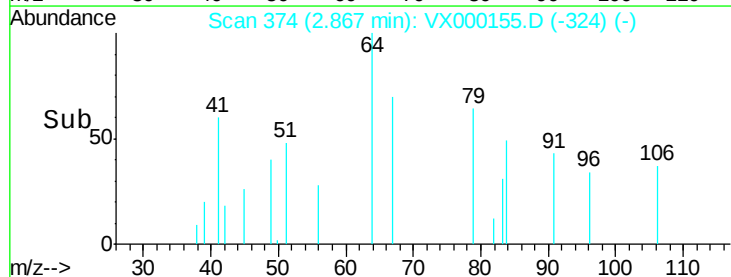
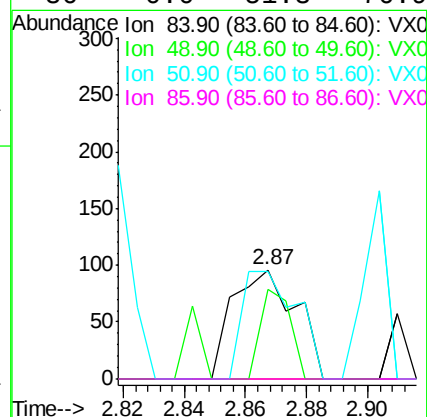
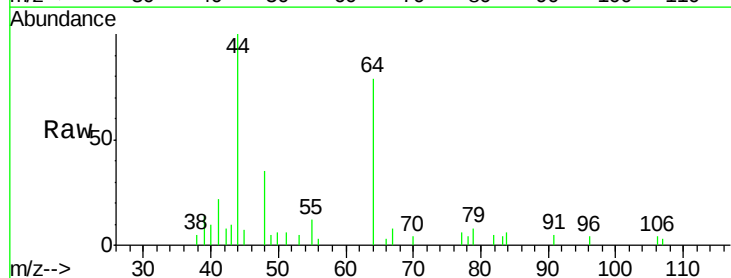
Ion Ratio Lower Upper

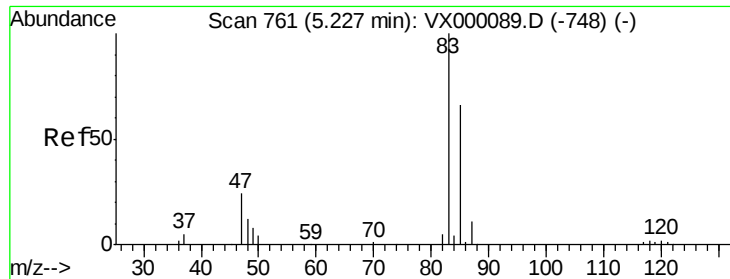
84 100

49 82.3 96.1 144.1#

51 97.9 30.5 45.7#

86 0.0 51.3 76.9#

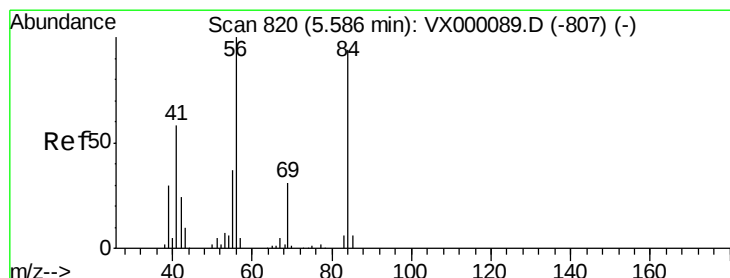
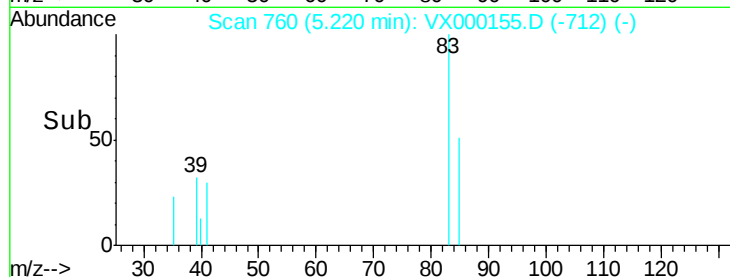
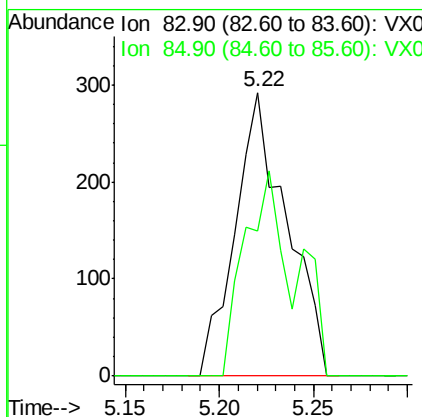
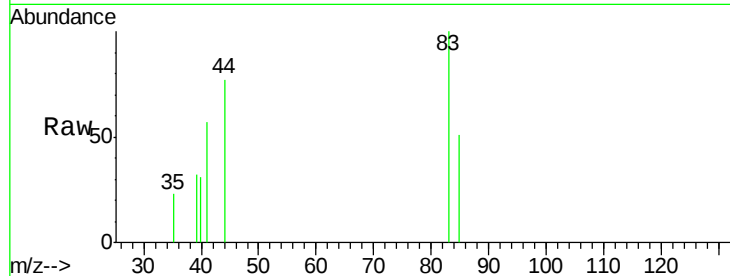




#30
Chloroform
Concen: 0.26 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.01 min
Lab File: VX000155.D
Acq: 27 Feb 2018 20:08

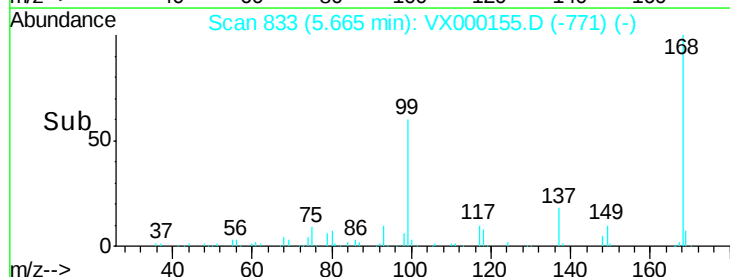
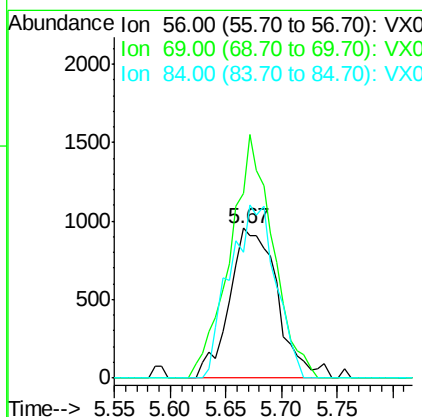
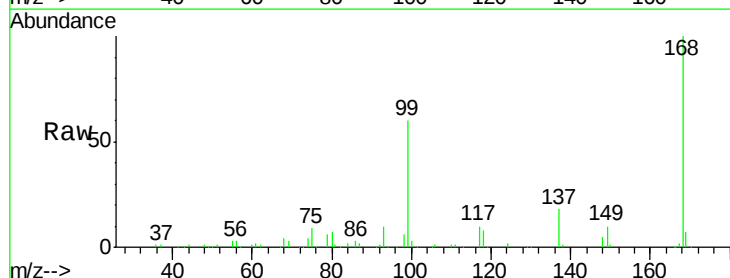
Instrument :
ClientSampleId :
RFK-RMAB-MW11-GW

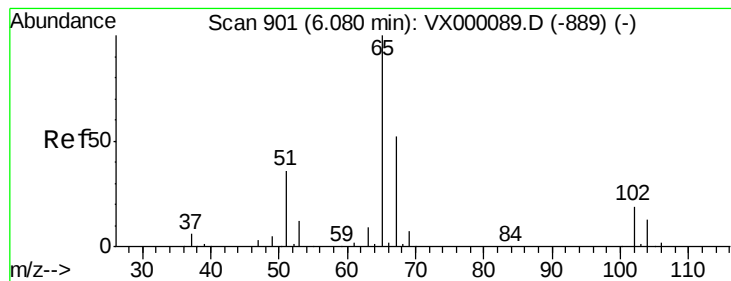
Tgt Ion: 83 Resp: 554
Ion Ratio Lower Upper
83 100
85 51.0 52.7 79.1#



#31
Cyclohexane
Concen: 1.62 ug/l
RT: 5.67 min Scan# 833
Delta R.T. 0.08 min
Lab File: VX000155.D
Acq: 27 Feb 2018 20:08

Tgt Ion: 56 Resp: 2858
Ion Ratio Lower Upper
56 100
69 123.8 24.9 37.3#
84 83.7 75.0 112.4





#33

1,2-Dichloroethane-d4

Concen: 49.18 ug/l

RT: 6.08 min Scan# 901

Delta R.T. -0.00 min

Lab File: VX000155.D

Acq: 27 Feb 2018 20:08

Instrument :

ClientSampleId :

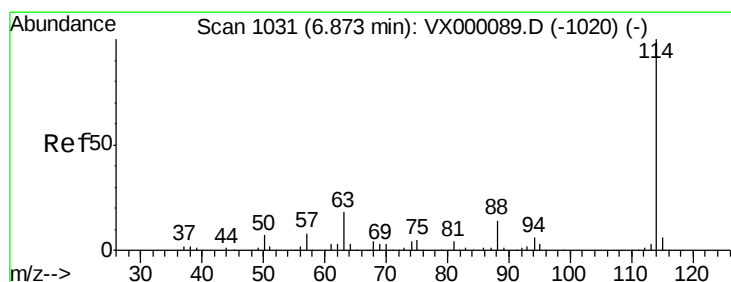
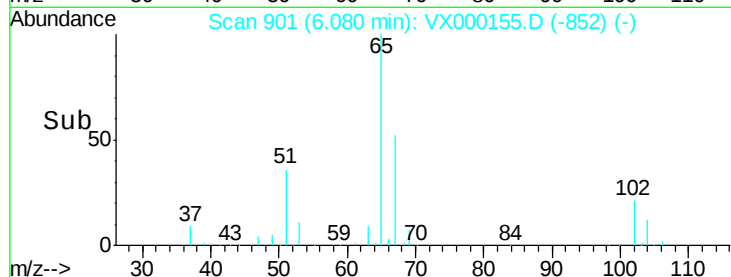
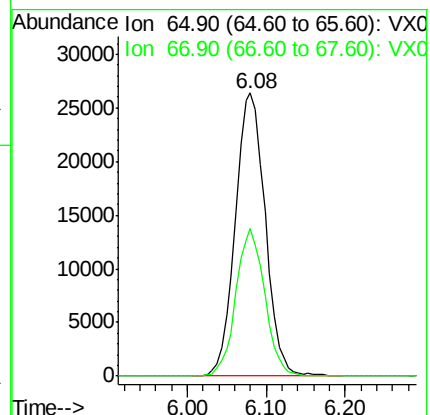
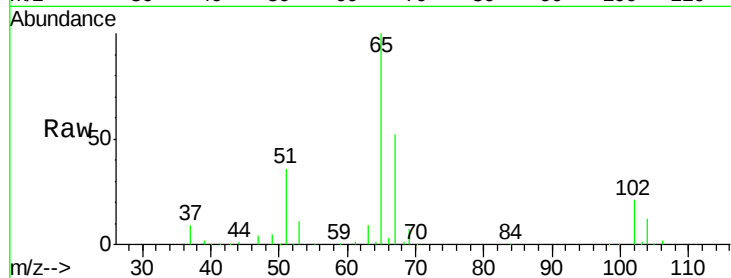
RFK-RMAB-MW11-GW

Tgt Ion: 65 Resp: 69580

Ion Ratio Lower Upper

65 100

67 50.1 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: VX000155.D

Acq: 27 Feb 2018 20:08

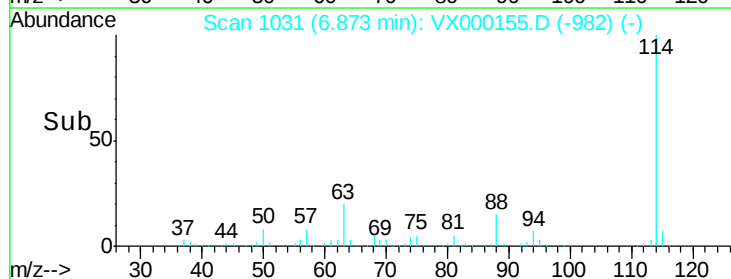
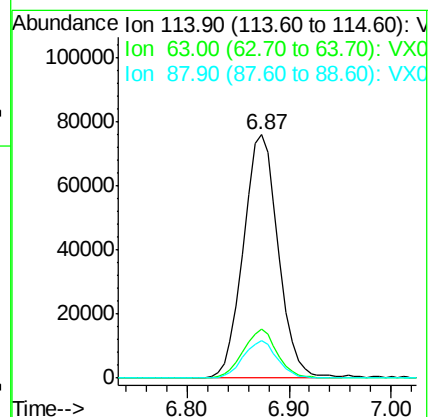
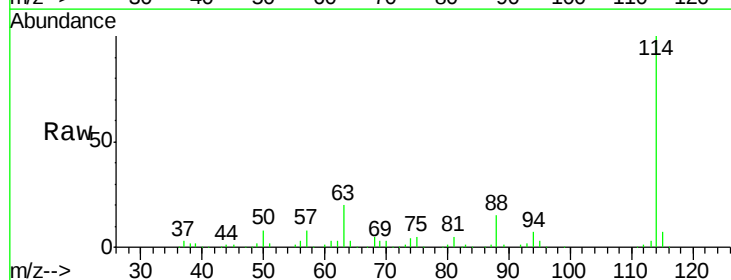
Tgt Ion: 114 Resp: 180752

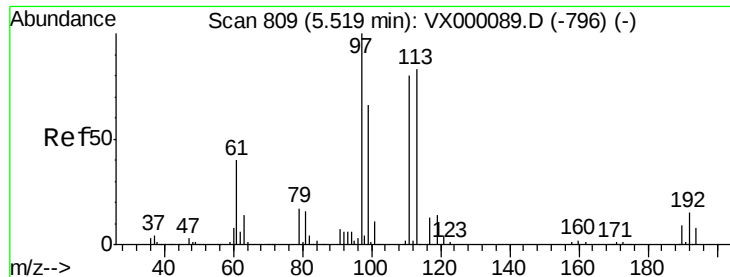
Ion Ratio Lower Upper

114 100

63 20.4 0.0 36.4

88 15.3 0.0 29.0

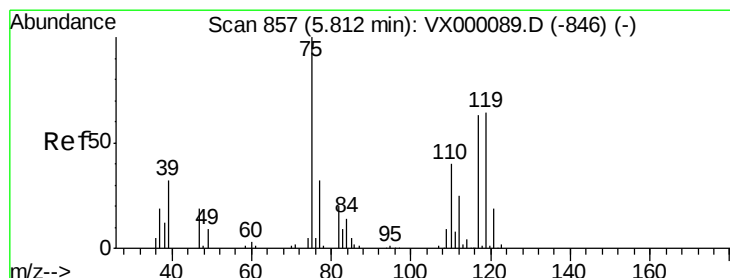
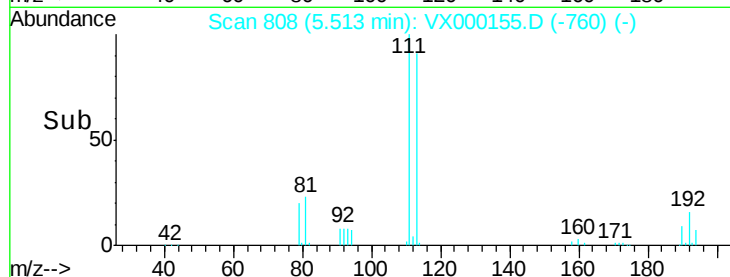
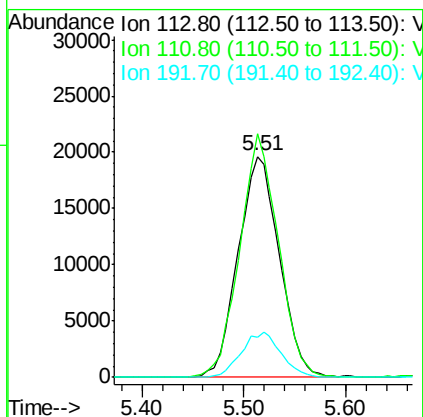
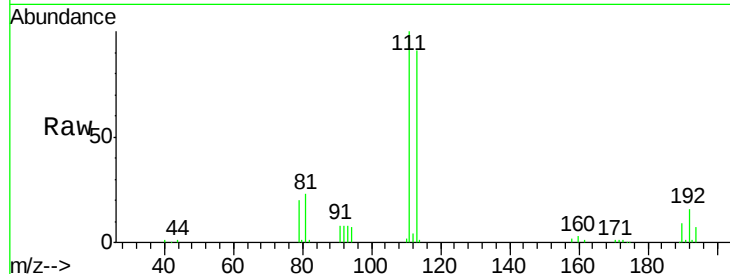




#35
 Dibromofluoromethane
 Concen: 48.30 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. -0.01 min
 Lab File: VX000155.D
 Acq: 27 Feb 2018 20:08

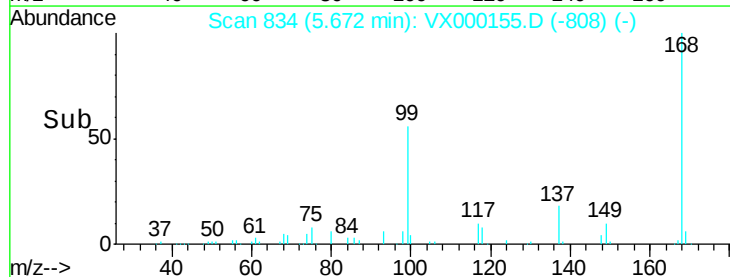
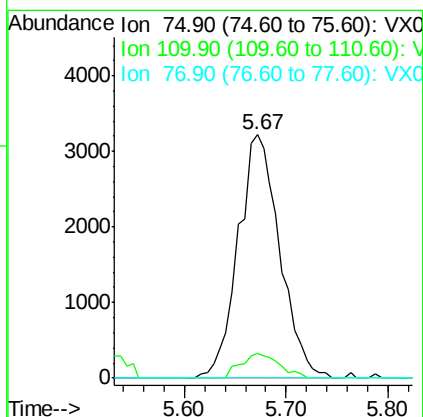
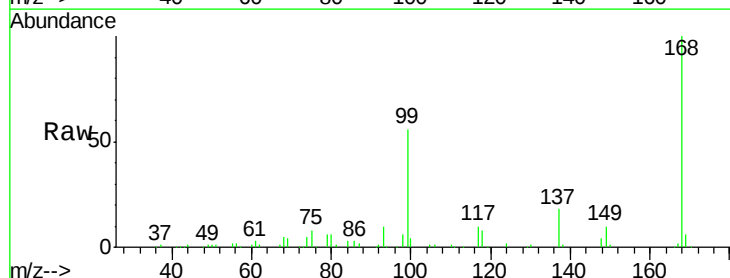
Instrument :
 ClientSampleId :
 RFK-RMAB-MW11-GW

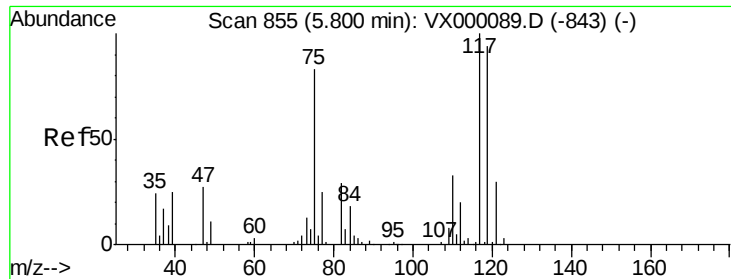
Tgt Ion:113 Resp: 55100
 Ion Ratio Lower Upper
 113 100
 111 103.2 81.0 121.6
 192 19.8 15.7 23.5



#36
 1,1-Dichloropropene
 Concen: 5.62 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.14 min
 Lab File: VX000155.D
 Acq: 27 Feb 2018 20:08

Tgt Ion: 75 Resp: 9116
 Ion Ratio Lower Upper
 75 100
 110 9.3 19.5 58.5#
 77 0.0 24.7 37.1#

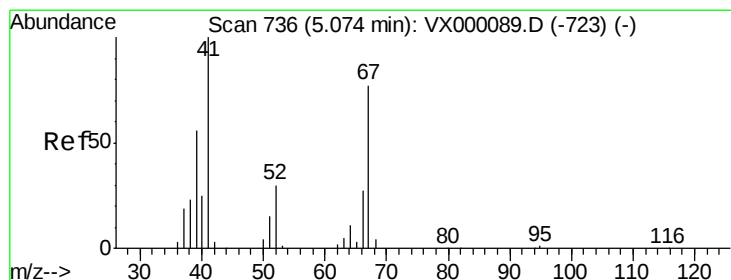
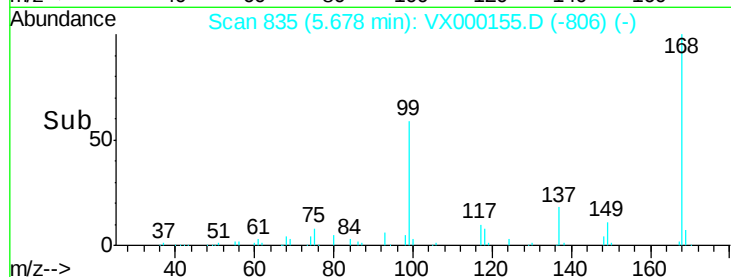
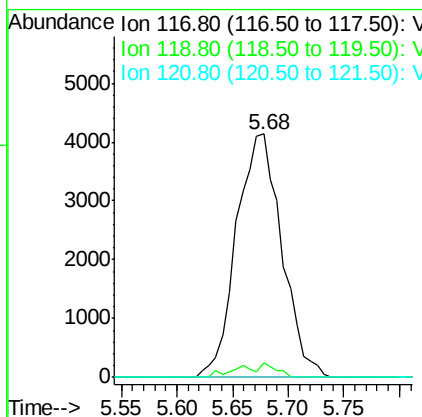
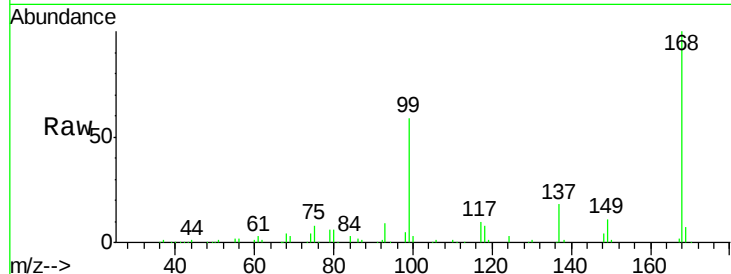




#38
Carbon Tetrachloride
Concen: 6.68 ug/l
RT: 5.68 min Scan# 835
Delta R.T. -0.12 min
Lab File: VX000155.D
Acq: 27 Feb 2018 20:08

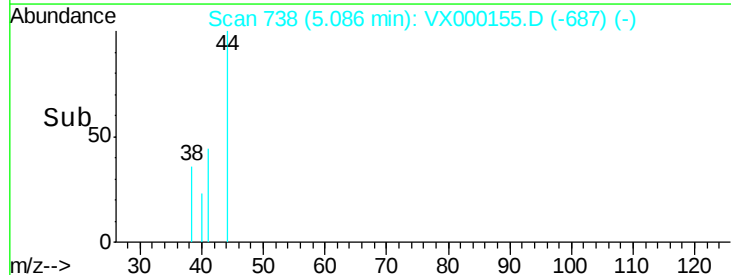
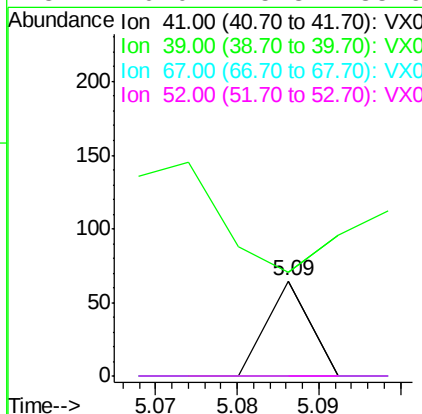
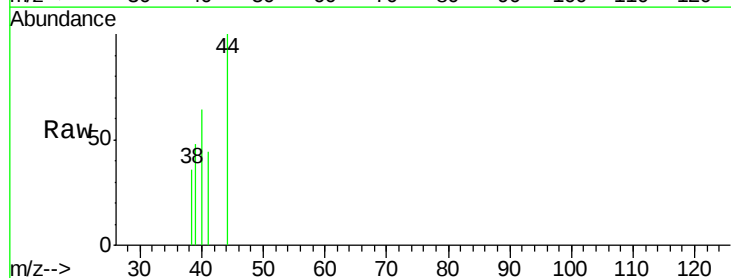
Instrument :
ClientSampleId :
RFK-RMAB-MW11-GW

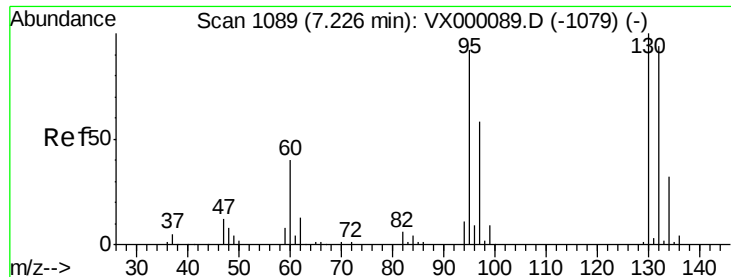
Tgt Ion:117 Resp: 11696
Ion Ratio Lower Upper
117 100
119 5.8 75.3 112.9#
121 0.0 23.7 35.5#



#41
Methacrylonitrile
Concen: Below Cal
RT: 5.09 min Scan# 738
Delta R.T. 0.01 min
Lab File: VX000155.D
Acq: 27 Feb 2018 20:08

Tgt Ion: 41 Resp: 24
Ion Ratio Lower Upper
41 100
39 804.2 45.1 67.7#
67 0.0 61.0 91.4#
52 0.0 25.8 38.6#





#44

Trichloroethene

Concen: 0.43 ug/l

RT: 7.23 min Scan# 1089

Delta R.T. -0.00 min

Lab File: VX000155.D

Acq: 27 Feb 2018 20:08

Instrument :

ClientSampleId :

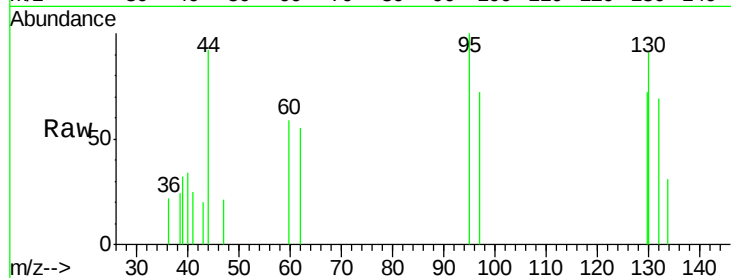
RFK-RMAB-MW11-GW

Tgt Ion:130 Resp: 593

Ion Ratio Lower Upper

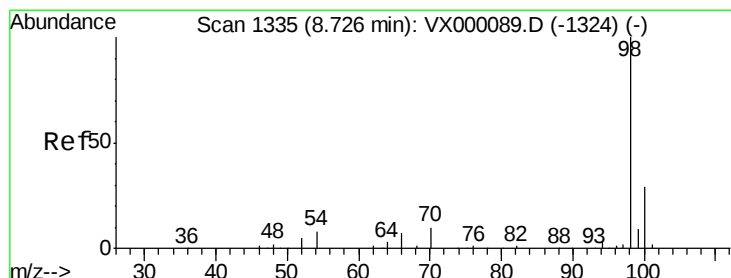
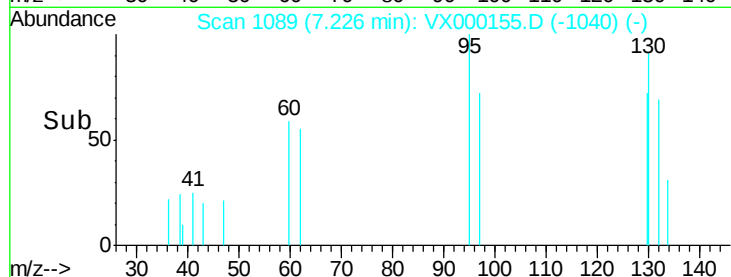
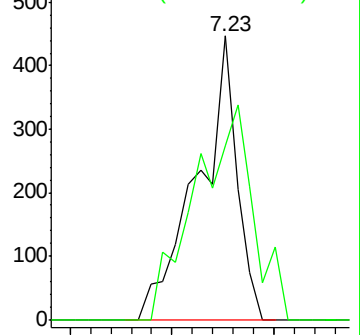
130 100

95 61.3 0.0 183.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#50

Toluene-d8

Concen: 47.88 ug/l

RT: 8.73 min Scan# 1335

Delta R.T. -0.00 min

Lab File: VX000155.D

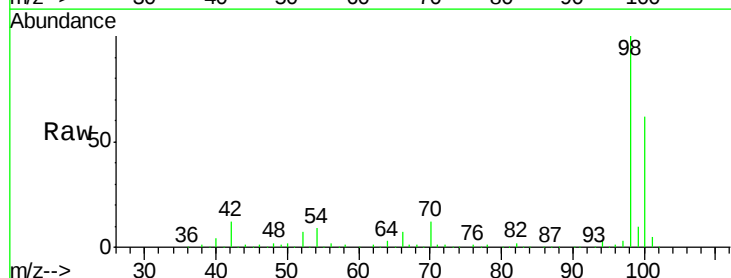
Acq: 27 Feb 2018 20:08

Tgt Ion: 98 Resp: 215447

Ion Ratio Lower Upper

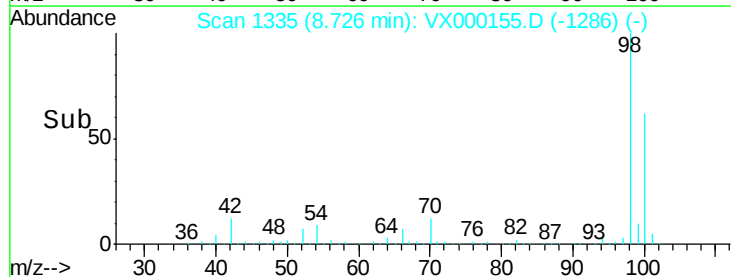
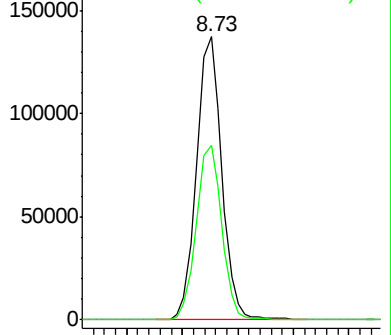
98 100

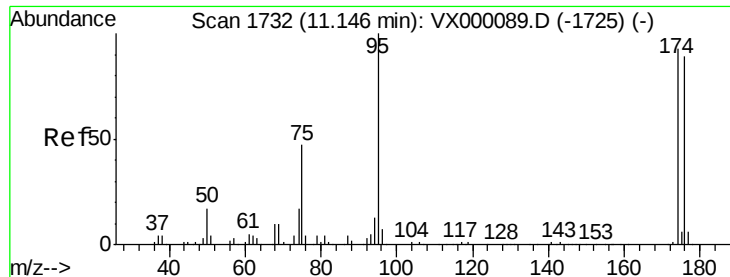
100 62.4 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#62

4-Bromofluorobenzene

Concen: 42.89 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VX000155.D

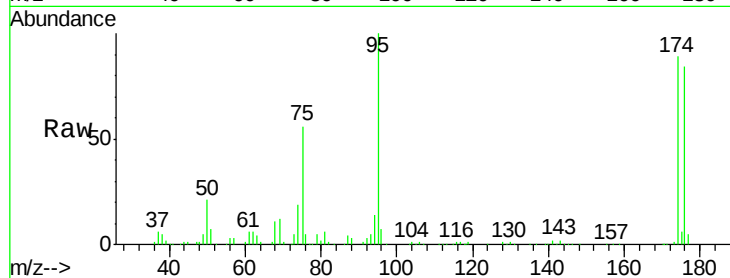
Acq: 27 Feb 2018 20:08

Instrument :

ClientSampleId :

RFK-RMAB-MW11-GW

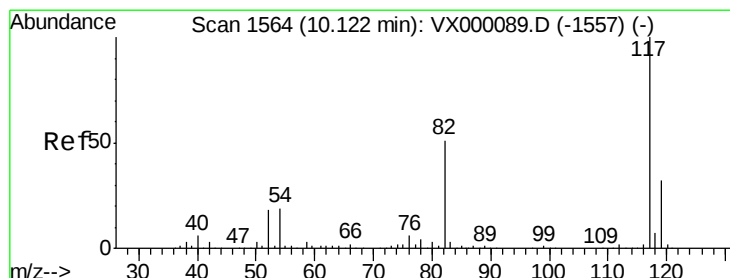
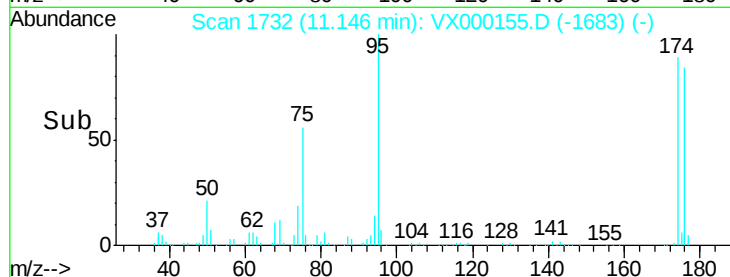
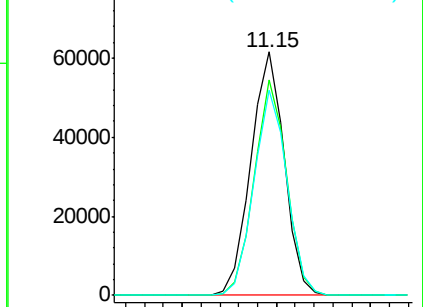
Tgt Ion:	95	Resp:	75686
Ion	Ratio	Lower	Upper
95	100		
174	86.0	0.0	187.8
176	83.4	0.0	181.2



Abundance Ion 94.90 (94.60 to 95.60): VX000089.D (-1725) (-)

Ion 173.80 (173.50 to 174.50): VX000089.D (-1725) (-)

Ion 175.80 (175.50 to 176.50): VX000089.D (-1725) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

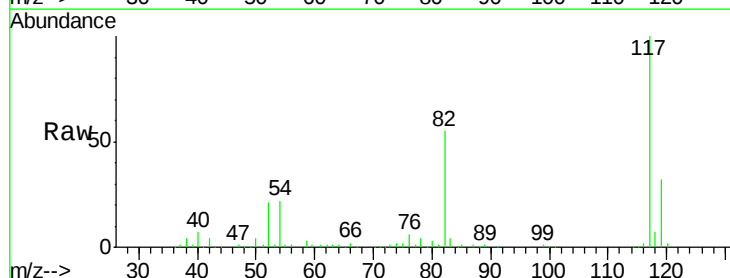
RT: 10.12 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VX000155.D

Acq: 27 Feb 2018 20:08

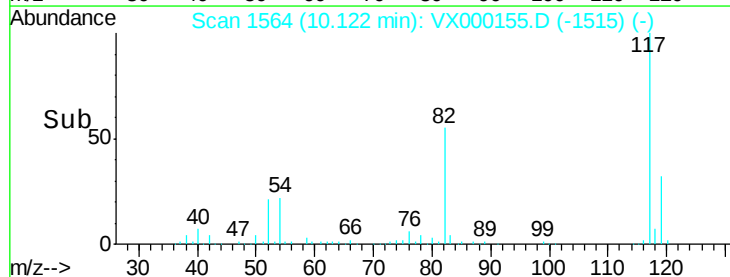
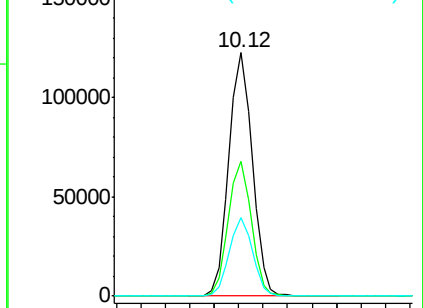
Tgt Ion:	117	Resp:	163482
Ion	Ratio	Lower	Upper
117	100		
82	55.3	41.0	61.6
119	32.5	25.5	38.3

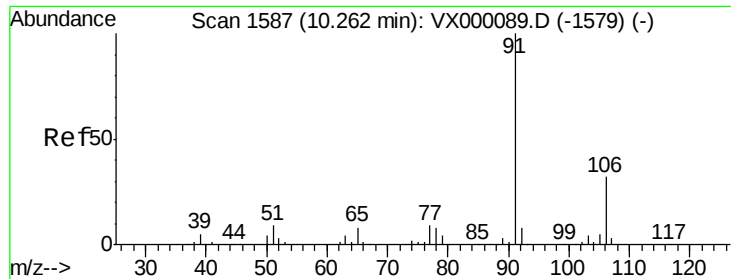


Abundance Ion 116.90 (116.60 to 117.60): VX000089.D (-1557) (-)

Ion 82.00 (81.70 to 82.70): VX000089.D (-1557) (-)

Ion 118.90 (118.60 to 119.60): VX000089.D (-1557) (-)

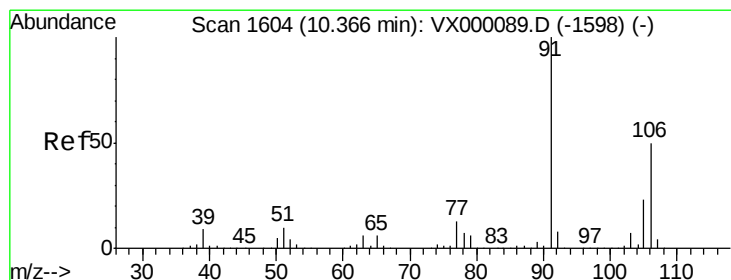
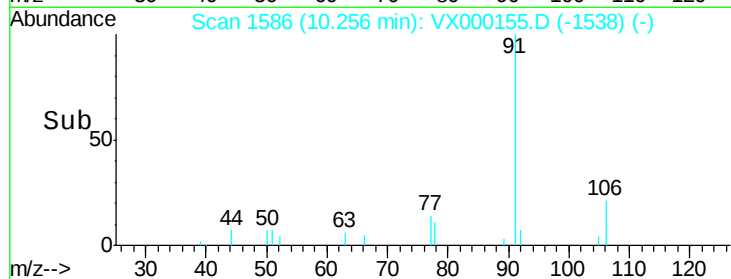
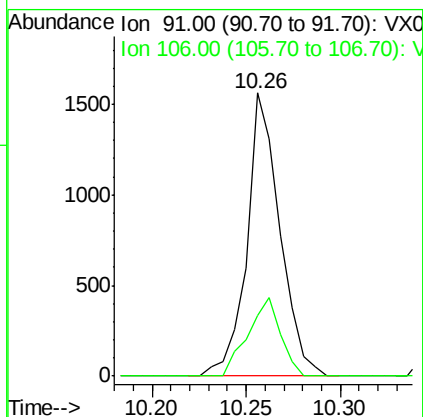
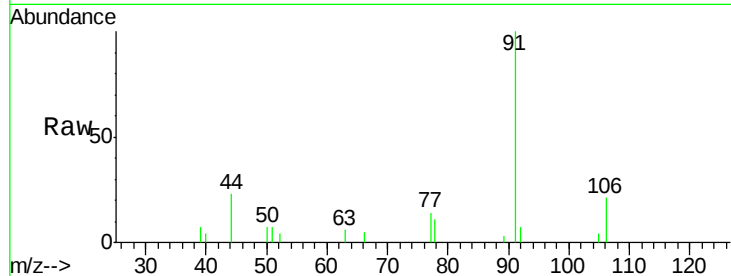




#67
Ethyl Benzene
Concen: 0.33 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.01 min
Lab File: VX000155.D
Acq: 27 Feb 2018 20:08

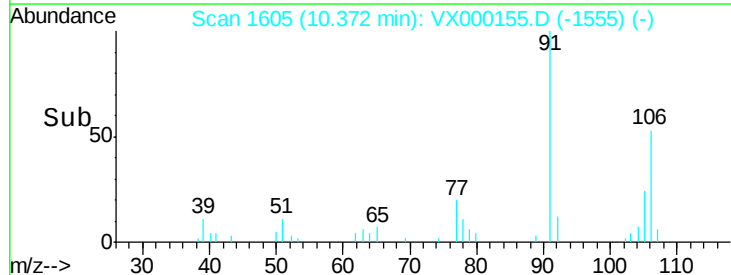
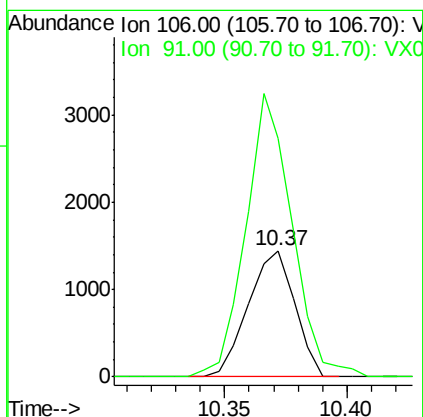
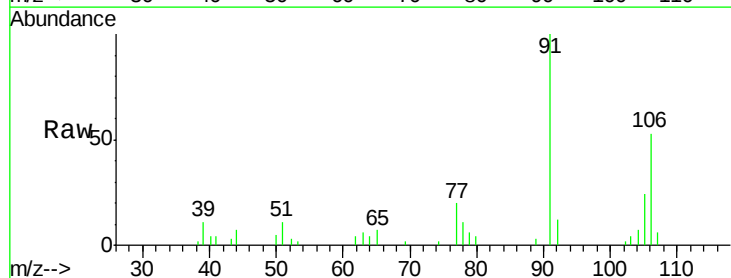
Instrument :
ClientSampleId :
RFK-RMAB-MW11-GW

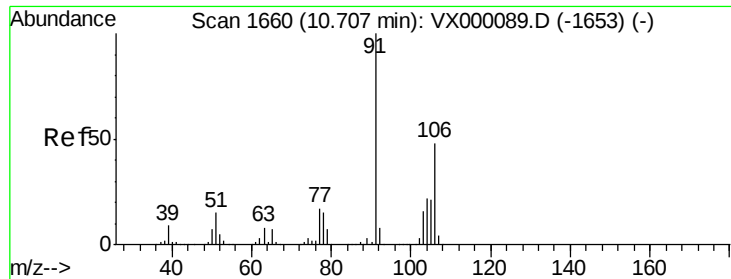
Tgt Ion: 91 Resp: 1893
Ion Ratio Lower Upper
91 100
106 21.4 25.8 38.6#



#68
m/p-Xylenes
Concen: 0.84 ug/l
RT: 10.37 min Scan# 1605
Delta R.T. 0.01 min
Lab File: VX000155.D
Acq: 27 Feb 2018 20:08

Tgt Ion: 106 Resp: 1924
Ion Ratio Lower Upper
106 100
91 222.0 159.1 238.7

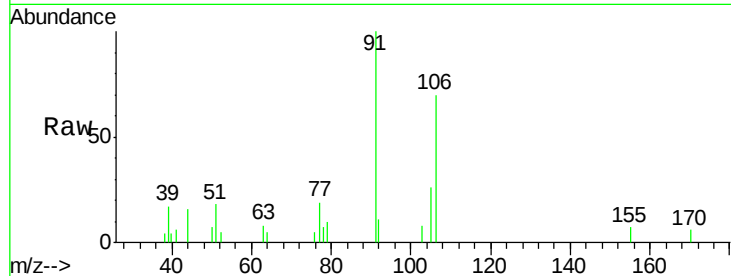




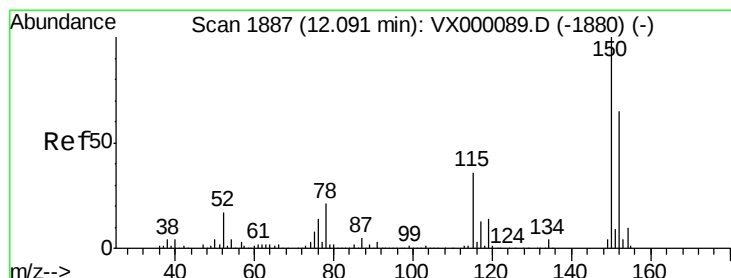
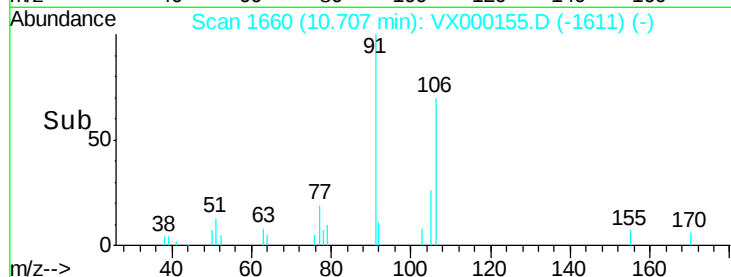
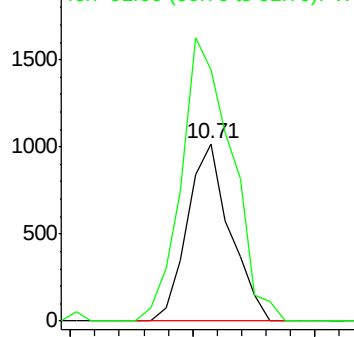
#69
o-Xylene
Concen: 0.56 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. -0.00 min
Lab File: VX000155.D
Acq: 27 Feb 2018 20:08

Instrument :
ClientSampleId :
RFK-RMAB-MW11-GW

Tgt Ion:106 Resp: 1236
Ion Ratio Lower Upper
106 100
91 188.3 103.8 311.6

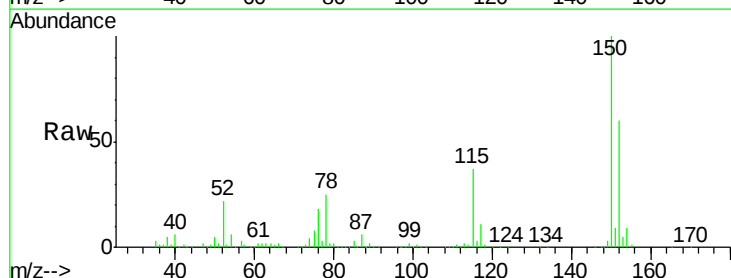


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

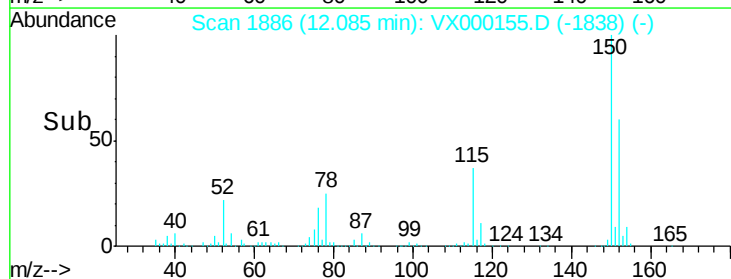
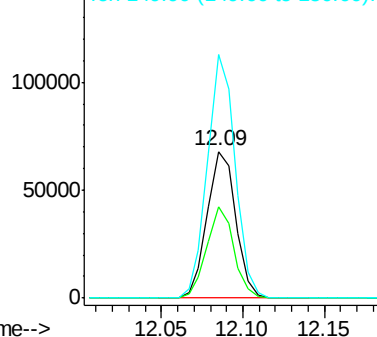


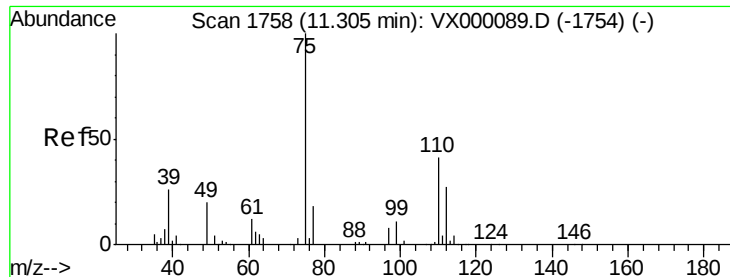
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. -0.01 min
Lab File: VX000155.D
Acq: 27 Feb 2018 20:08

Tgt Ion:152 Resp: 83363
Ion Ratio Lower Upper
152 100
115 58.8 39.1 117.2
150 160.8 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

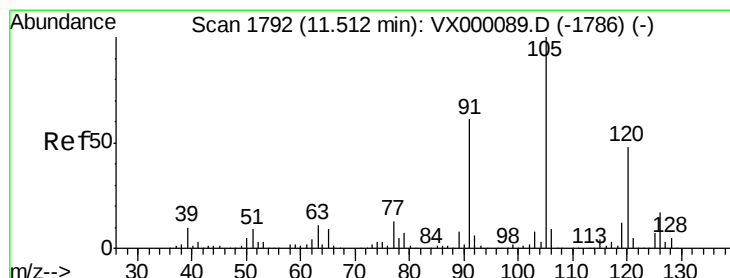
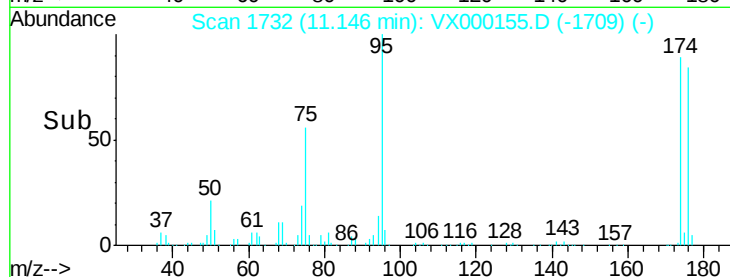
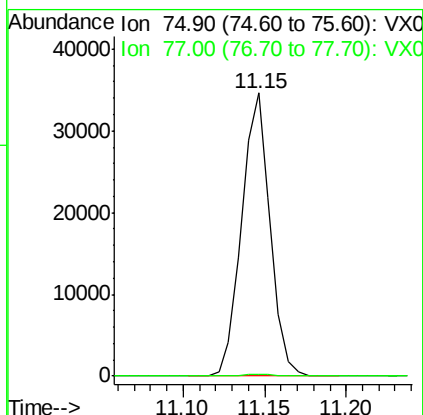
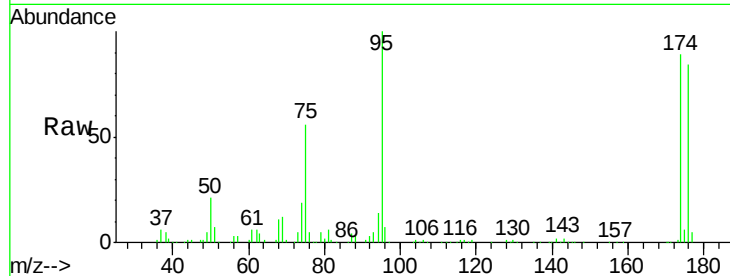




#76
 1,2,3-Trichloropropane
 Concen: 24.22 ug/l
 RT: 11.15 min Scan# 1732
 Delta R.T. -0.16 min
 Lab File: VX000155.D
 Acq: 27 Feb 2018 20:08

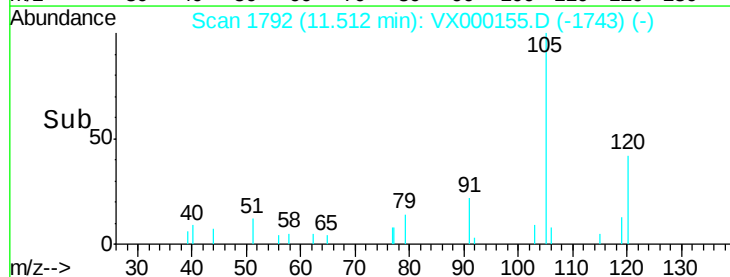
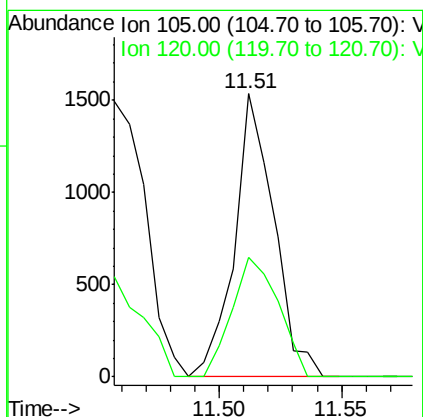
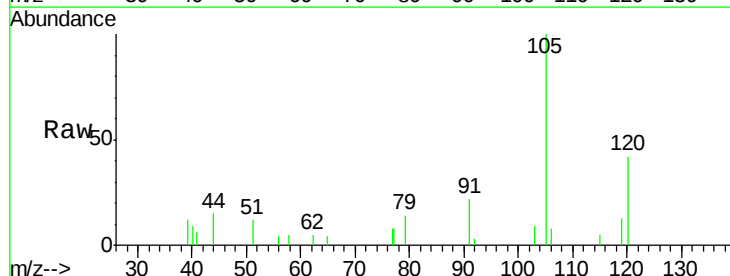
Instrument :
 ClientSampleId :
 RFK-RMAB-MW11-GW

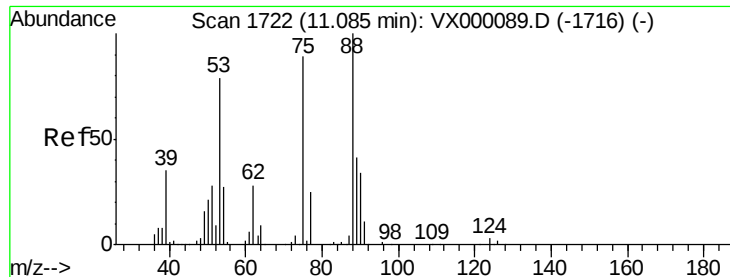
Tgt Ion: 75 Resp: 41824
 Ion Ratio Lower Upper
 75 100
 77 1.0 22.8 68.3#



#80
 1,3,5-Trimethylbenzene
 Concen: 0.38 ug/l
 RT: 11.51 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX000155.D
 Acq: 27 Feb 2018 20:08

Tgt Ion: 105 Resp: 1717
 Ion Ratio Lower Upper
 105 100
 120 50.0 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 68.98 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.06 min

Lab File: VX000155.D

Acq: 27 Feb 2018 20:08

Instrument :

ClientSampleId :

RFK-RMAB-MW11-GW

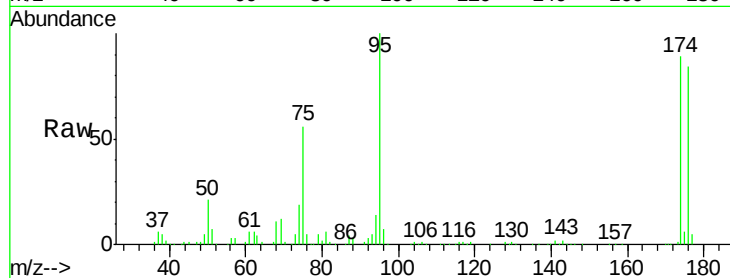
Tgt Ion: 75 Resp: 41824

Ion Ratio Lower Upper

75 100

53 0.0 72.3 108.5#

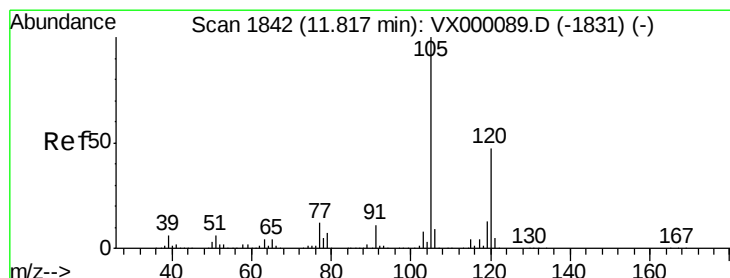
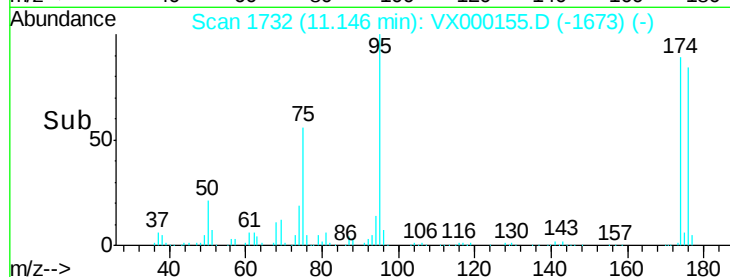
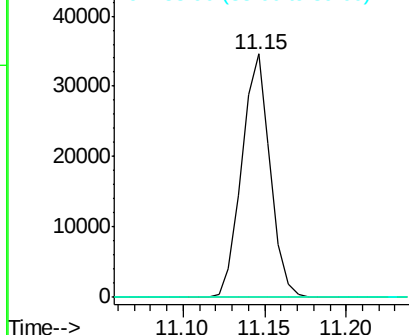
89 0.0 40.6 60.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#84

1,2,4-Trimethylbenzene

Concen: 1.13 ug/l

RT: 11.82 min Scan# 1842

Delta R.T. -0.00 min

Lab File: VX000155.D

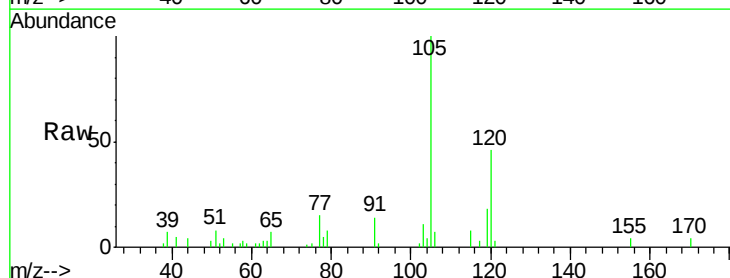
Acq: 27 Feb 2018 20:08

Tgt Ion: 105 Resp: 5231

Ion Ratio Lower Upper

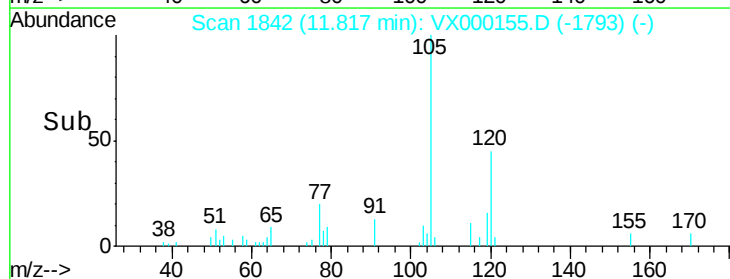
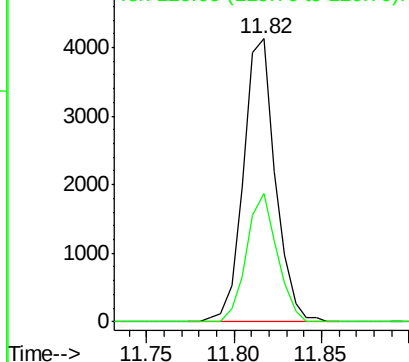
105 100

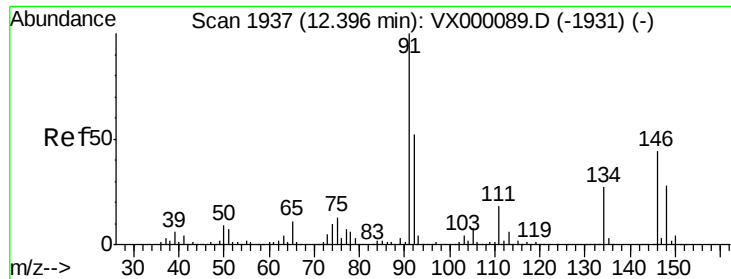
120 43.3 23.1 69.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#89

n-Butylbenzene

Concen: 0.20 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VX000155.D

Acq: 27 Feb 2018 20:08

Instrument :

ClientSampleId :

RFK-RMAB-MW11-GW

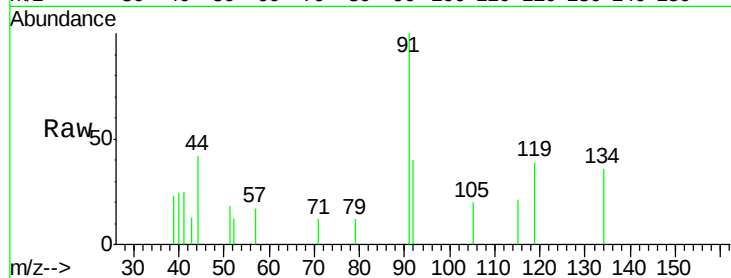
Tgt Ion: 91 Resp: 944

Ion Ratio Lower Upper

91 100

92 37.7 26.2 78.6

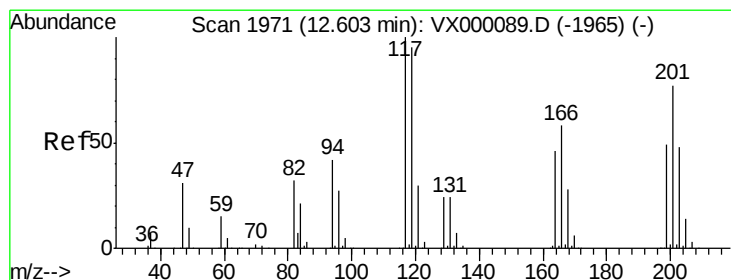
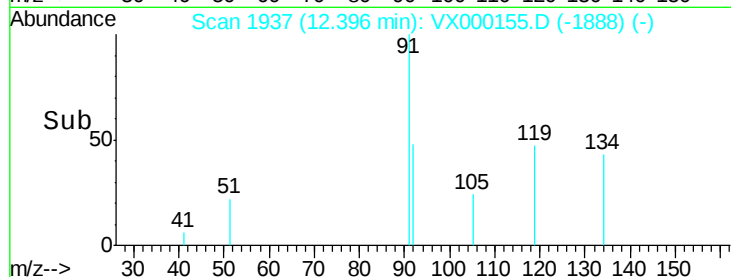
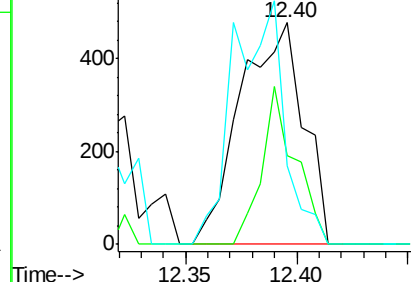
134 88.1 14.3 42.9#



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 0.43 ug/l

RT: 12.59 min Scan# 1969

Delta R.T. -0.01 min

Lab File: VX000155.D

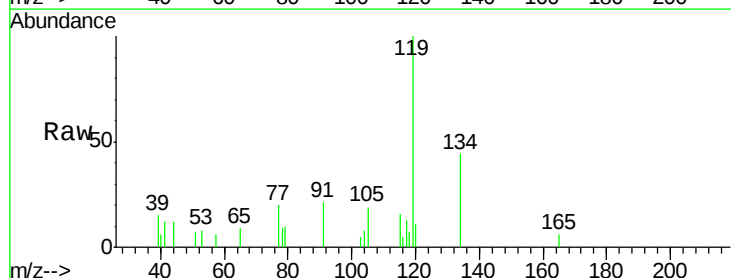
Acq: 27 Feb 2018 20:08

Tgt Ion: 117 Resp: 350

Ion Ratio Lower Upper

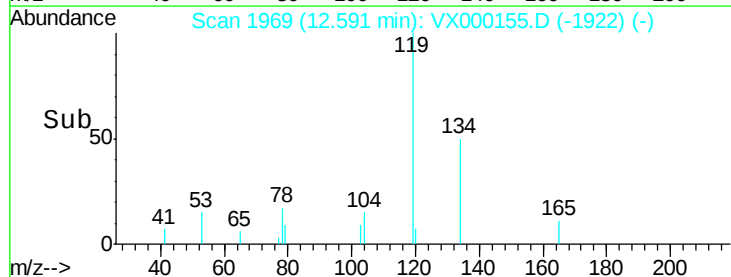
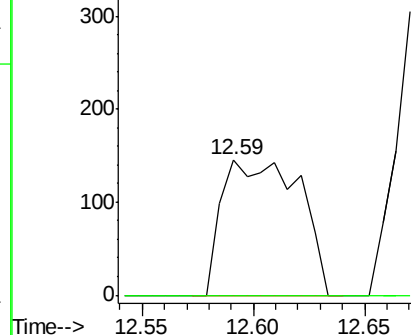
117 100

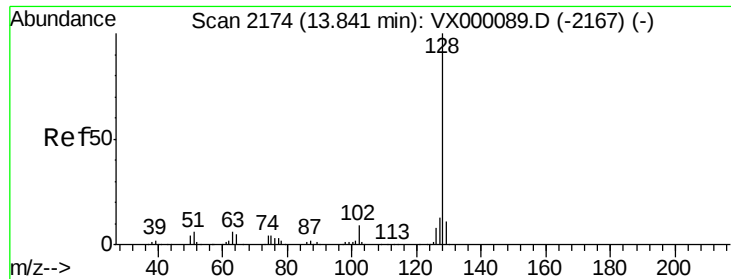
201 0.0 41.1 123.4#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#95
Naphthalene
Concen: 0.44 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. -0.00 min
Lab File: VX000155.D
Acq: 27 Feb 2018 20:08

Instrument :
ClientSampleId :
RFK-RMAB-MW11-GW

Tgt Ion:128 Resp: 3039
Ion Ratio Lower Upper
128 100
127 15.6 10.4 15.6#
129 10.7 8.7 13.1

