

Data File : VX000171.D

Acq On : 28 Feb 2018 17:02

Operator : JC/MD

Sample : J1683-04

Misc : 5.0mL/MSVOA_X/WATER

ALS Vial : 5 Sample Multiplier: 1

Instrument :

MSVOA_X

ClientSampleId :

RFK-RMAB-MW11-GW

Quant Time: Mar 01 06:33:39 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	85275	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	137816	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	127677	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	64594	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.08	65	53492	50.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.46%	
35) Dibromofluoromethane	5.52	113	39781	45.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.48%	
50) Toluene-d8	8.73	98	167913	48.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.88%	
62) 4-Bromofluorobenzene	11.15	95	58247	43.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.58%	

Target Compounds

						Qvalue
5) Bromomethane	1.64	94	20	Below Cal	#	3
6) Chloroethane	1.72	64	175	0.27	ug/l #	73
11) Tert butyl alcohol	3.09	59	718	1.75	ug/l #	79
13) Acrolein	2.29	56	76	0.39	ug/l #	1
16) Acetone	2.45	43	878	1.27	ug/l	96
20) Methylene Chloride	2.86	84	74	Below Cal	#	53
30) Chloroform	5.22	83	585	0.36	ug/l #	45
31) Cyclohexane	5.67	56	2004	1.51	ug/l #	57
36) 1,1-Dichloropropene	5.67	75	6551	5.30	ug/l #	51
38) Carbon Tetrachloride	5.67	117	8766	6.56	ug/l #	15
41) Methacrylonitrile	5.19	41	19	Below Cal	#	1
44) Trichloroethene	7.23	130	536	0.52	ug/l	89
51) 4-Methyl-2-Pentanone	8.73	43	990	0.55	ug/l #	1
76) 1,2,3-Trichloropropane	11.15	75	32193	24.06	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.15	75	32193	68.52	ug/l #	12

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

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RFK-RMAB-MW11-GW

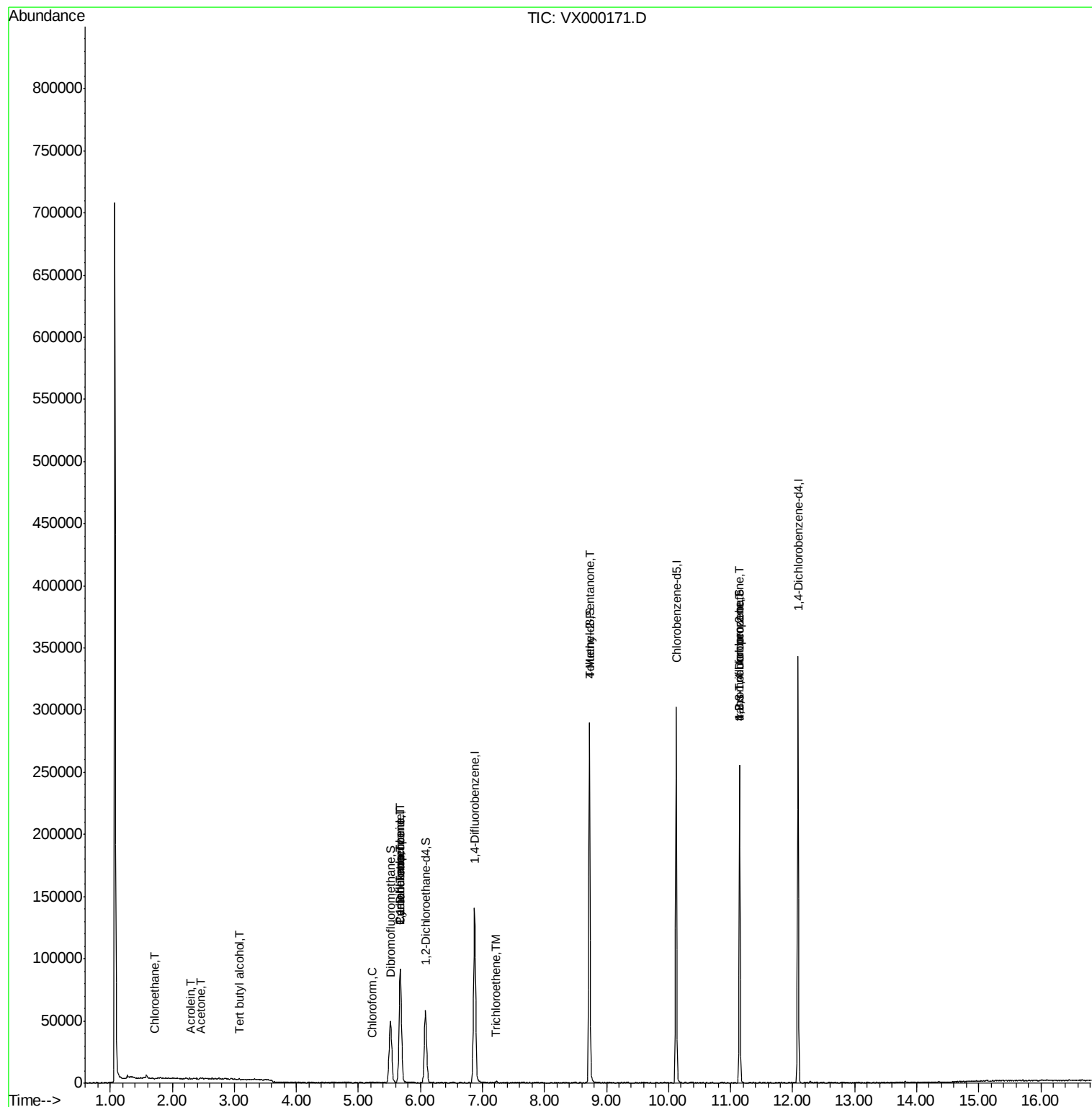
Quant Time: Mar 01 06:33:39 2018

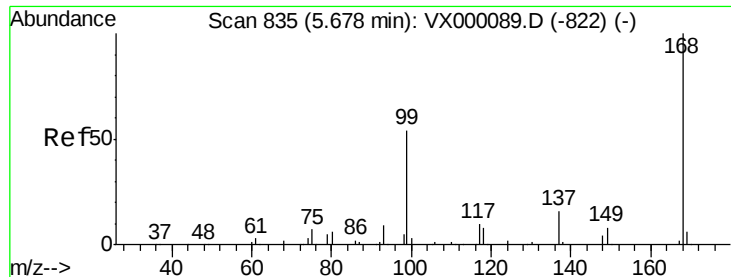
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X021418W.M

Quant Title : SW846 8260

QLast Update : Thu Feb 15 12:46:41 2018

Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.68 min Scan# 835

Delta R.T. -0.00 min

Lab File: VX000171.D

Acq: 28 Feb 2018 17:02

Instrument :

MSVOA_X

ClientSampleId :

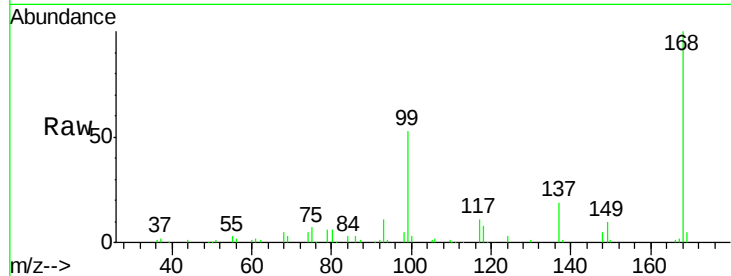
RFK-RMAB-MW11-GW

Tgt Ion: 168 Resp: 85275

Ion Ratio Lower Upper

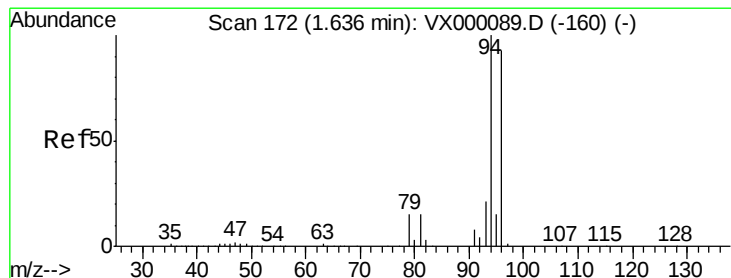
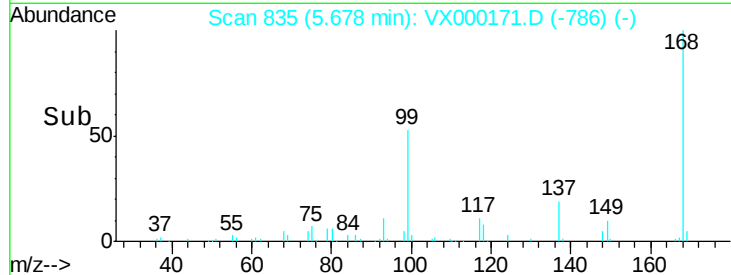
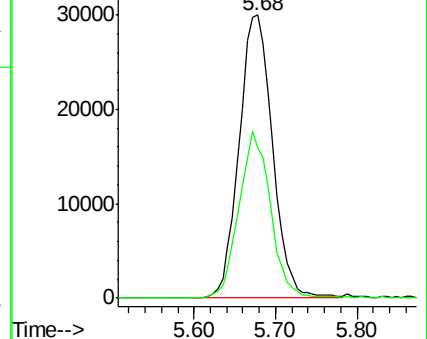
168 100

99 52.9 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX000171.D

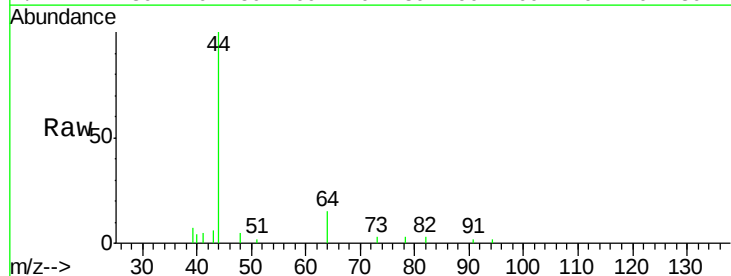
Acq: 28 Feb 2018 17:02

Tgt Ion: 94 Resp: 20

Ion Ratio Lower Upper

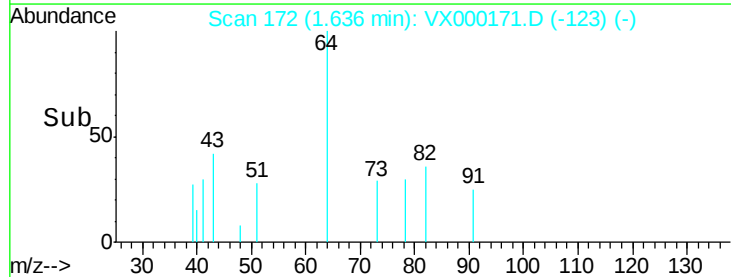
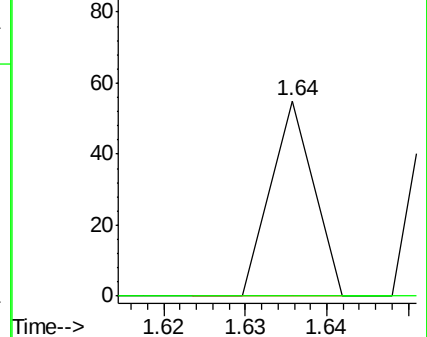
94 100

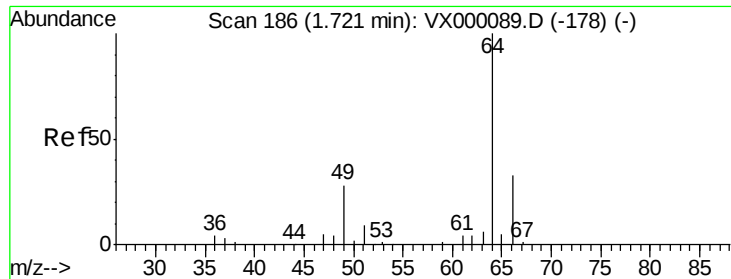
96 0.0 74.6 112.0#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 0.27 ug/l

RT: 1.72 min Scan# 186

Delta R.T. -0.00 min

Lab File: VX000171.D

Acq: 28 Feb 2018 17:02

Instrument :

MSVOA_X

ClientSampleId :

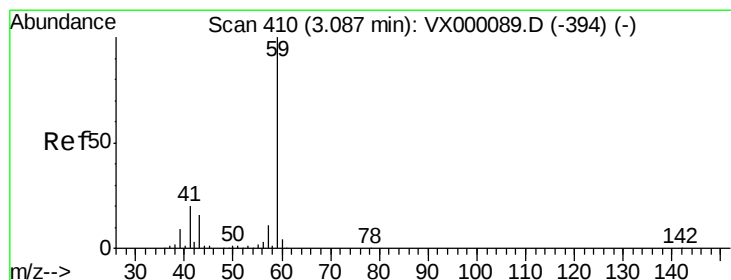
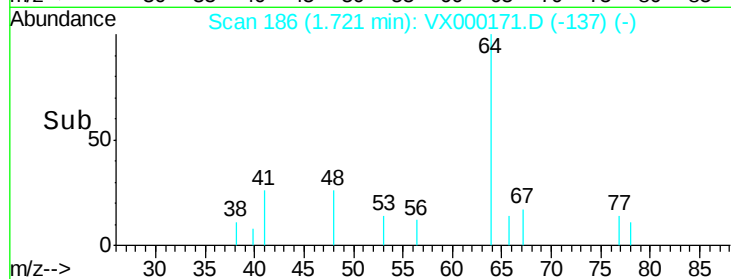
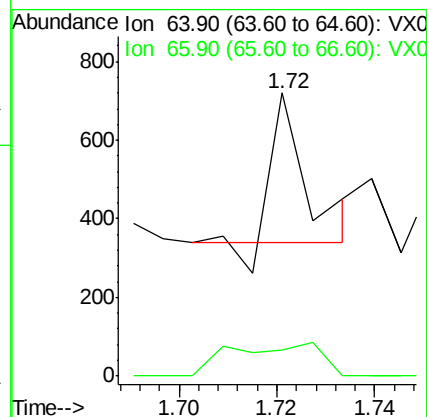
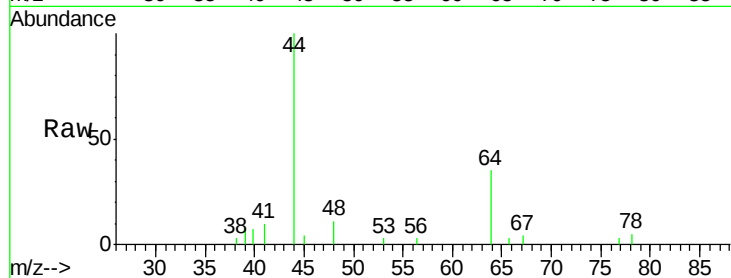
RFK-RMAB-MW11-GW

Tgt Ion: 64 Resp: 175

Ion Ratio Lower Upper

64 100

66 17.2 26.0 39.0#



#11

Tert butyl alcohol

Concen: 1.75 ug/l

RT: 3.09 min Scan# 410

Delta R.T. -0.00 min

Lab File: VX000171.D

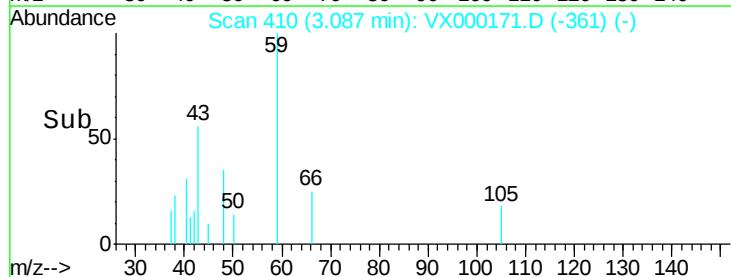
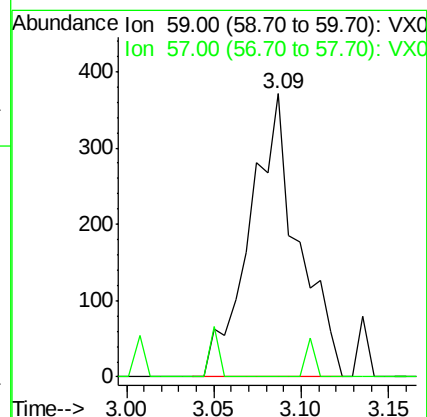
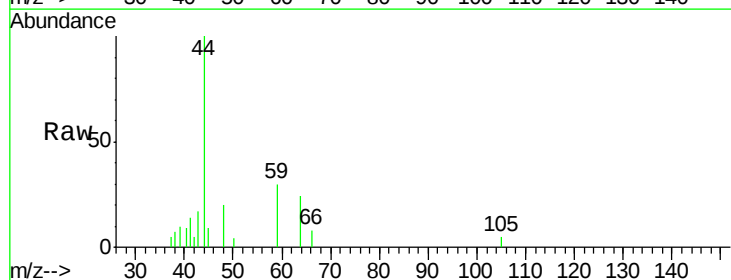
Acq: 28 Feb 2018 17:02

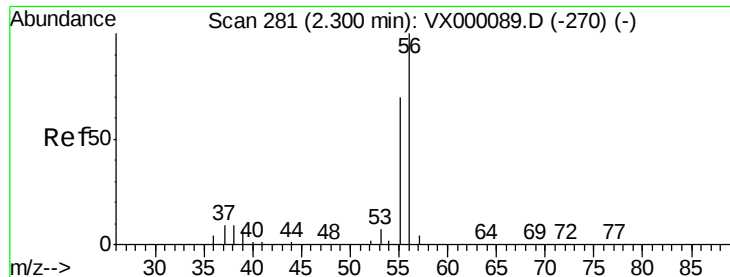
Tgt Ion: 59 Resp: 718

Ion Ratio Lower Upper

59 100

57 2.6 8.3 12.5#





#13

Acrolein

Concen: 0.39 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.01 min

Lab File: VX000171.D

Acq: 28 Feb 2018 17:02

Instrument :

MSVOA_X

ClientSampleId :

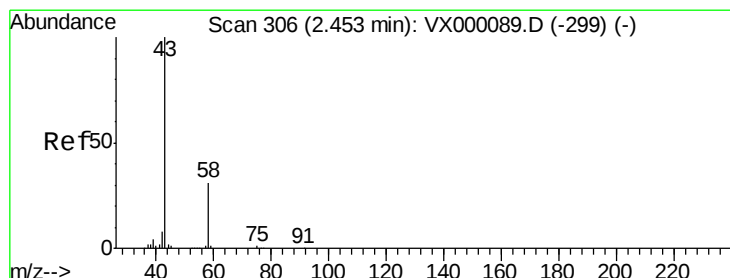
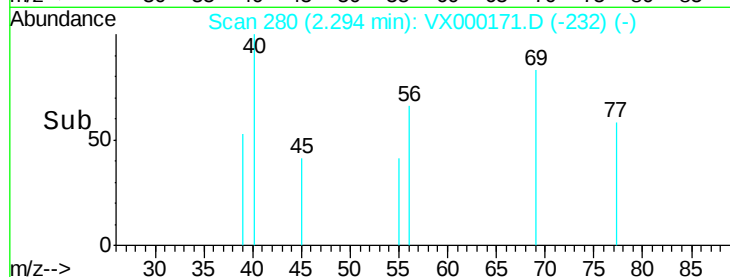
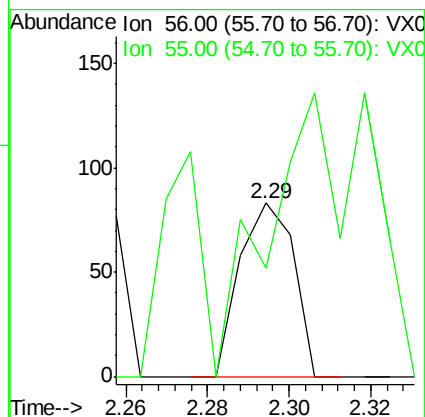
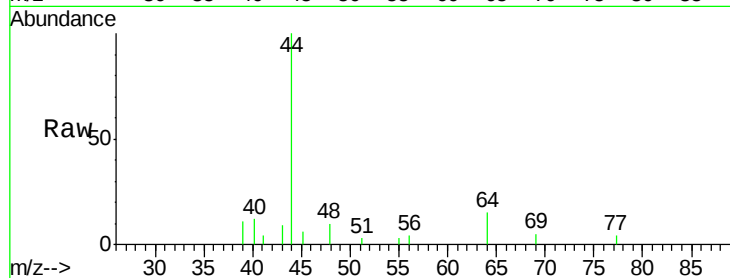
RFK-RMAB-MW11-GW

Tgt Ion: 56 Resp: 76

Ion Ratio Lower Upper

56 100

55 305.3 56.2 84.4#



#16

Acetone

Concen: 1.27 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX000171.D

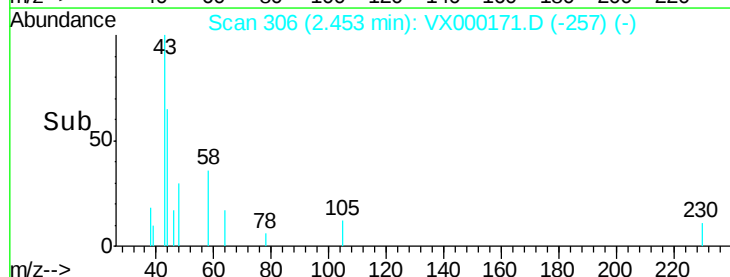
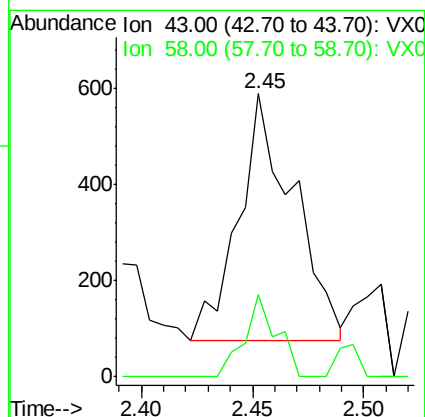
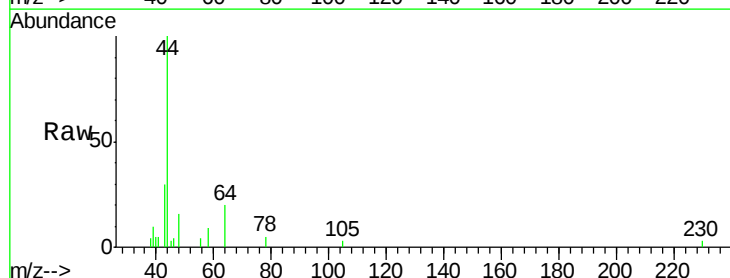
Acq: 28 Feb 2018 17:02

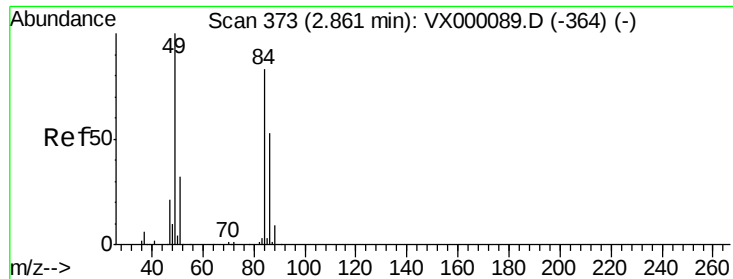
Tgt Ion: 43 Resp: 878

Ion Ratio Lower Upper

43 100

58 33.2 25.0 37.4

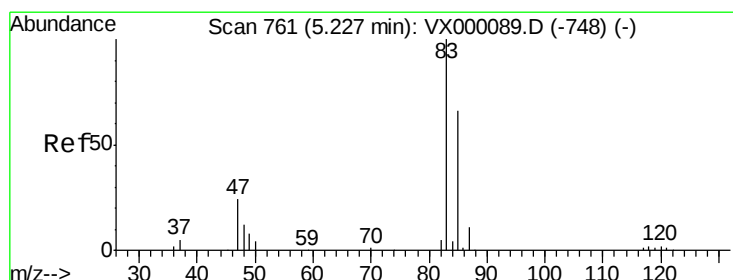
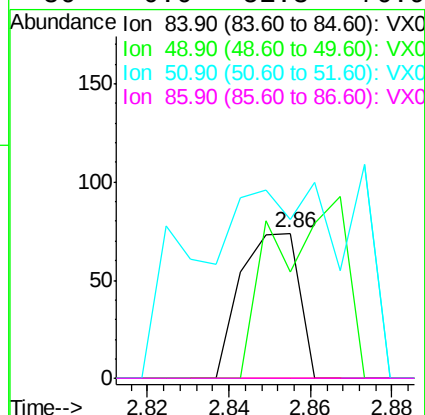
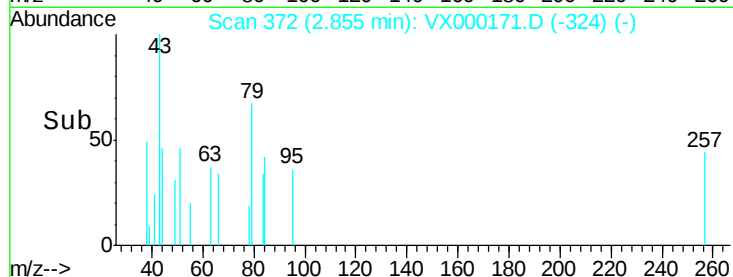
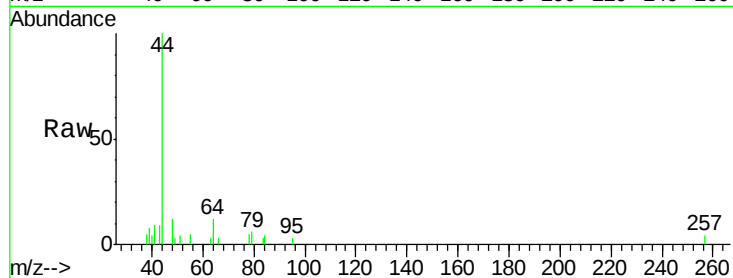




#20
Methylene Chloride
Concen: Below Cal
RT: 2.86 min Scan# 372
Delta R.T. -0.01 min
Lab File: VX000171.D
Acq: 28 Feb 2018 17:02

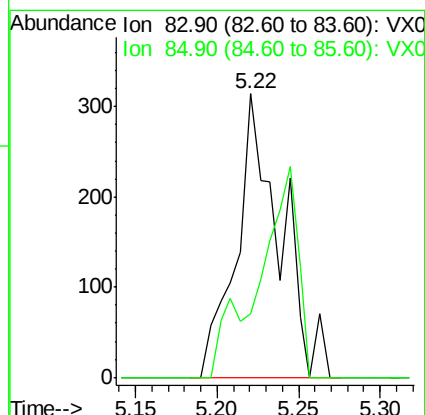
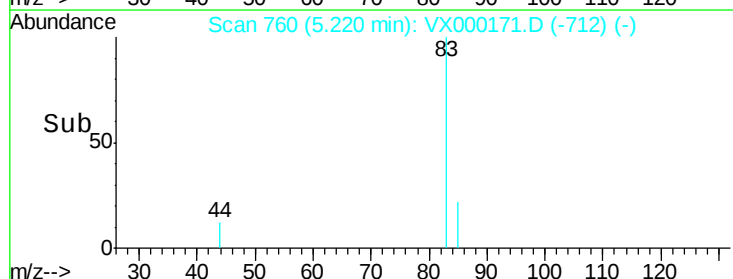
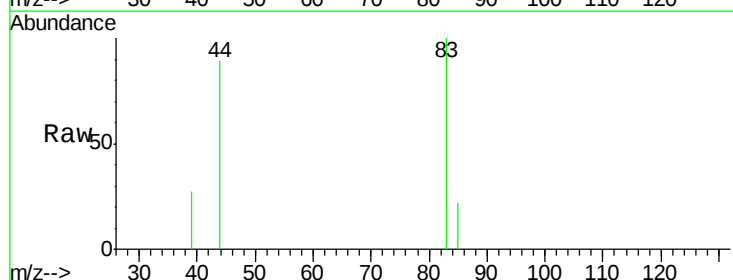
Instrument :
MSVOA_X
ClientSampleId :
RFK-RMAB-MW11-GW

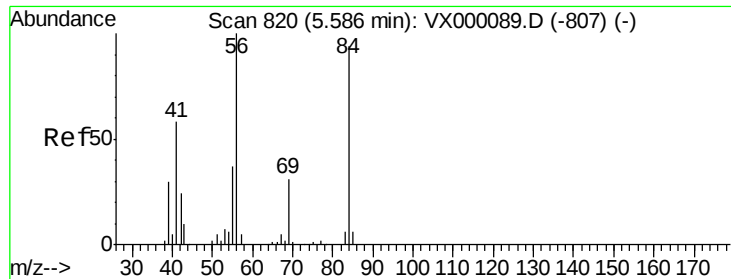
Tgt Ion: 84 Resp: 74
Ion Ratio Lower Upper
84 100
49 73.0 96.1 144.1#
51 35.1 30.5 45.7
86 0.0 51.3 76.9#



#30
Chloroform
Concen: 0.36 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.01 min
Lab File: VX000171.D
Acq: 28 Feb 2018 17:02

Tgt Ion: 83 Resp: 585
Ion Ratio Lower Upper
83 100
85 22.3 52.7 79.1#

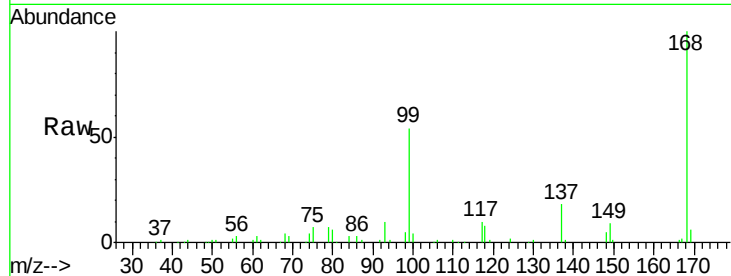




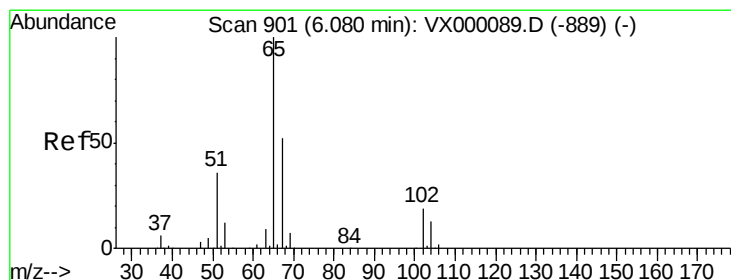
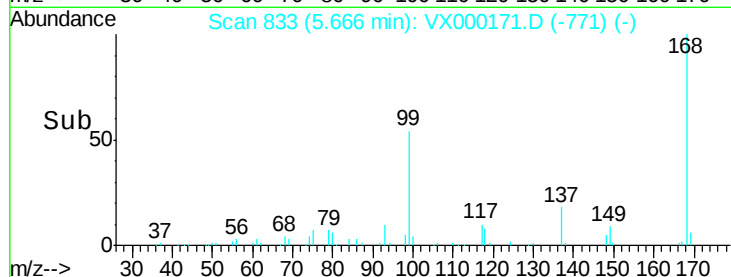
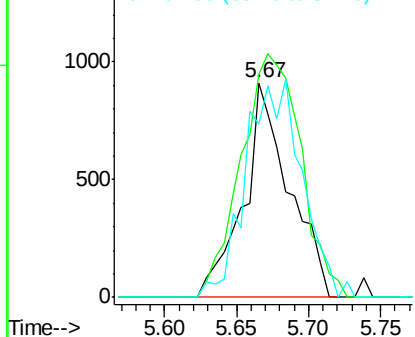
#31
Cyclohexane
Concen: 1.51 ug/l
RT: 5.67 min Scan# 833
Delta R.T. 0.08 min
Lab File: VX000171.D
Acq: 28 Feb 2018 17:02

Instrument :
MSVOA_X
ClientSampleId :
RfK-RMAB-MW11-GW

Tgt Ion: 56 Resp: 2004
Ion Ratio Lower Upper
56 100
69 104.1 24.9 37.3#
84 80.9 75.0 112.4

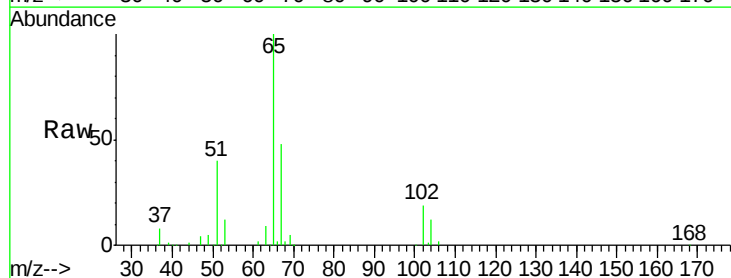


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

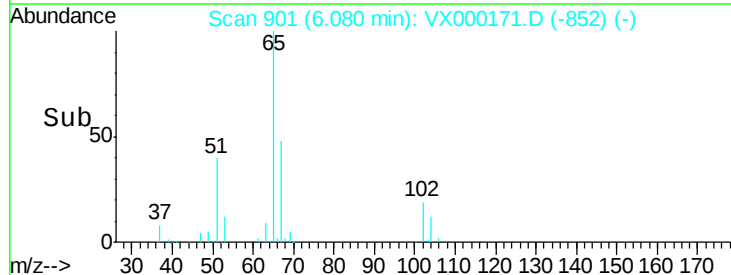
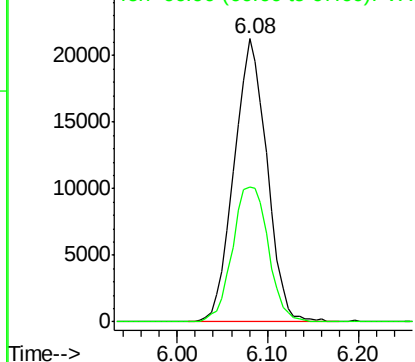


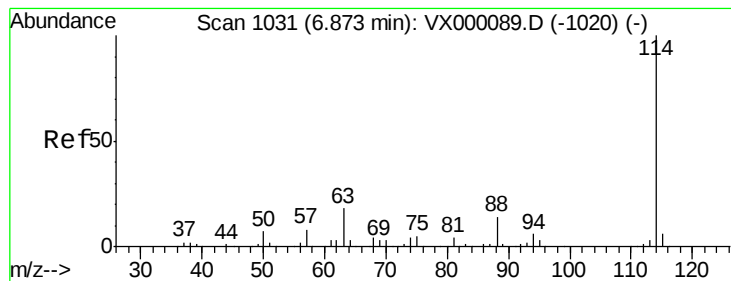
#33
1,2-Dichloroethane-d4
Concen: 50.23 ug/l
RT: 6.08 min Scan# 901
Delta R.T. -0.00 min
Lab File: VX000171.D
Acq: 28 Feb 2018 17:02

Tgt Ion: 65 Resp: 53492
Ion Ratio Lower Upper
65 100
67 52.0 0.0 104.8



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VX000171.D

Acq: 28 Feb 2018 17:02

Instrument :

MSVOA_X

ClientSampleId :

RFK-RMAB-MW11-GW

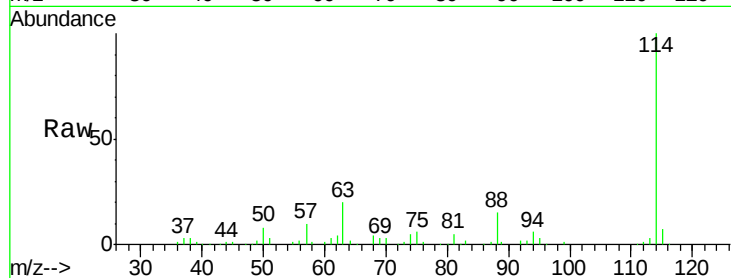
Tgt Ion:114 Resp: 137816

Ion Ratio Lower Upper

114 100

63 20.4 0.0 36.4

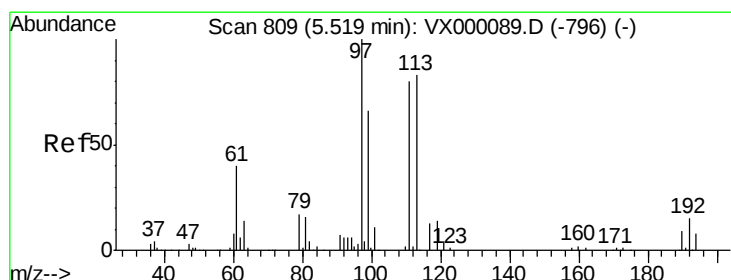
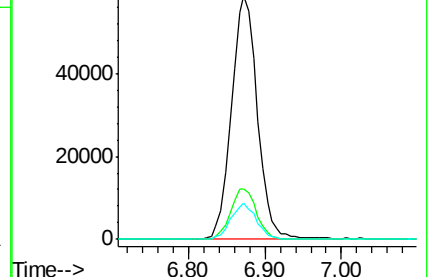
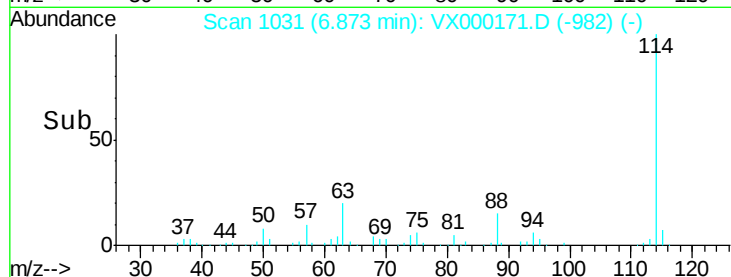
88 14.8 0.0 29.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 45.74 ug/l

RT: 5.52 min Scan# 809

Delta R.T. -0.00 min

Lab File: VX000171.D

Acq: 28 Feb 2018 17:02

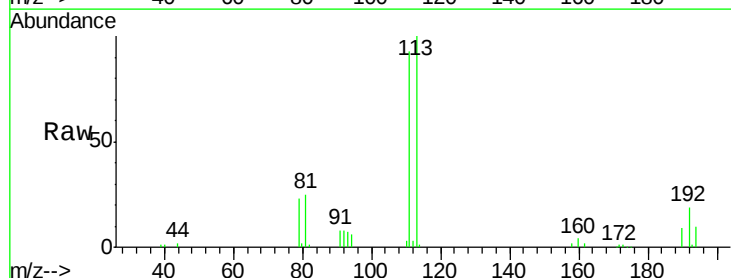
Tgt Ion:113 Resp: 39781

Ion Ratio Lower Upper

113 100

111 103.3 81.0 121.6

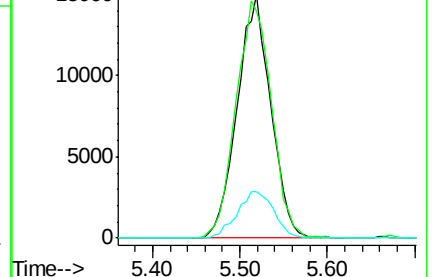
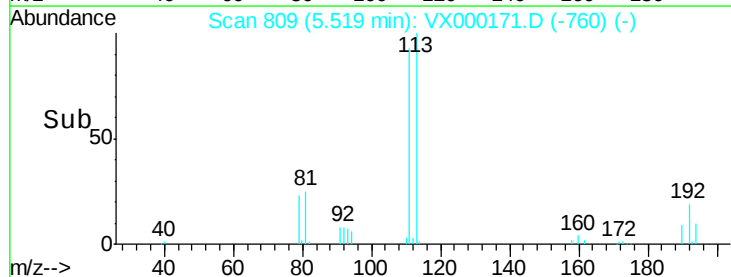
192 20.8 15.7 23.5

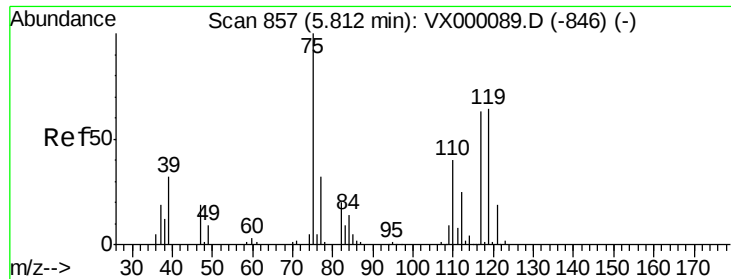


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

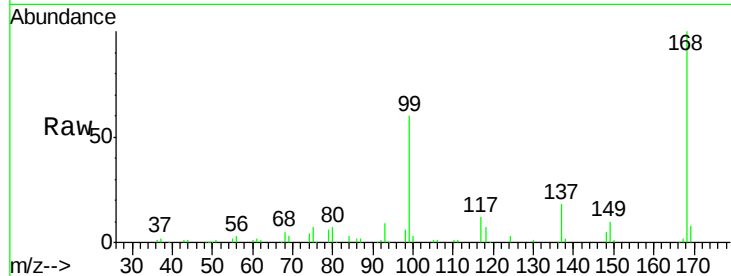




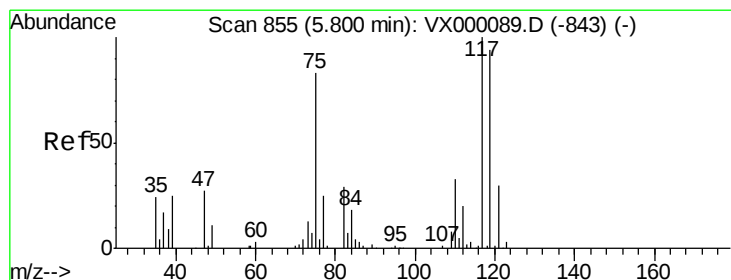
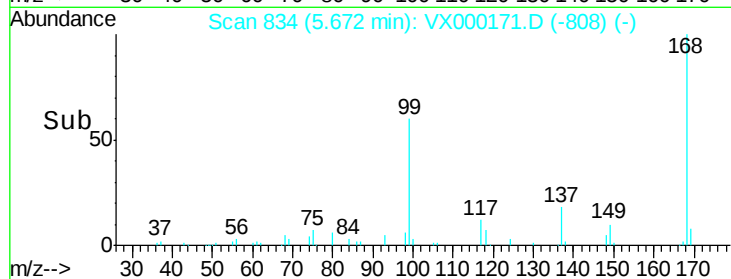
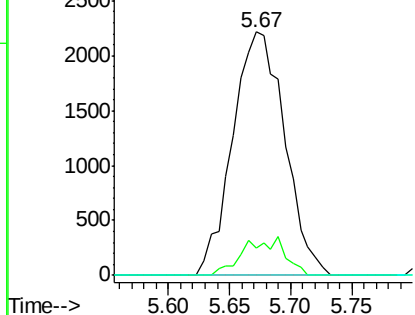
#36
 1,1-Dichloropropene
 Concen: 5.30 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.14 min
 Lab File: VX000171.D
 Acq: 28 Feb 2018 17:02

Instrument :
 MSVOA_X
 ClientSampleId :
 RFK-RMAB-MW11-GW

Tgt Ion: 75 Resp: 6551
 Ion Ratio Lower Upper
 75 100
 110 12.3 19.5 58.5#
 77 0.0 24.7 37.1#

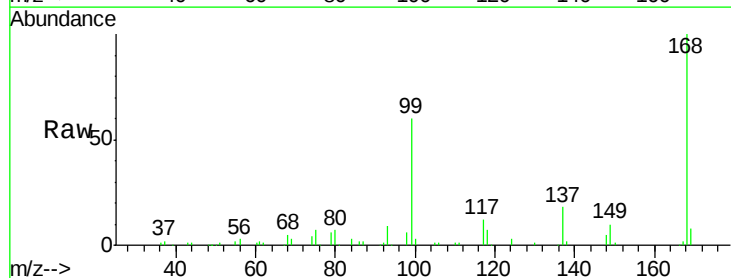


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

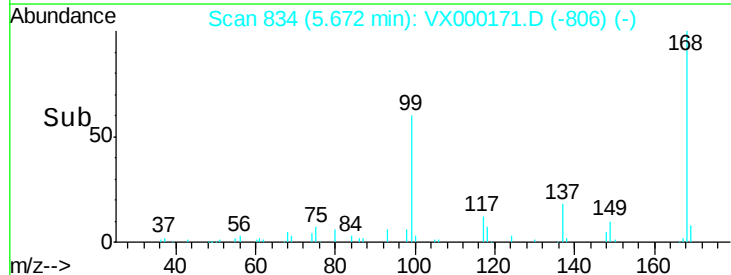
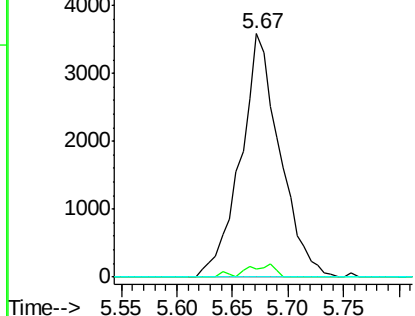


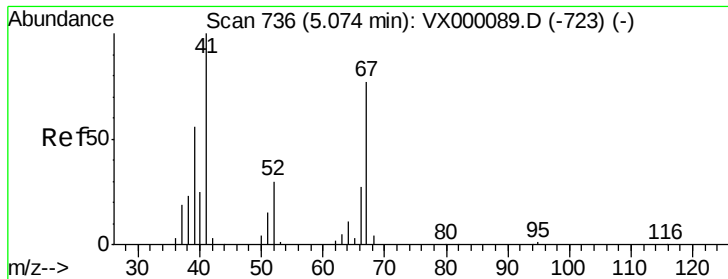
#38
 Carbon Tetrachloride
 Concen: 6.56 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.13 min
 Lab File: VX000171.D
 Acq: 28 Feb 2018 17:02

Tgt Ion: 117 Resp: 8766
 Ion Ratio Lower Upper
 117 100
 119 3.5 75.3 112.9#
 121 0.0 23.7 35.5#



Abundance Ion 116.80 (116.50 to 117.50): V
 Ion 118.80 (118.50 to 119.50): V
 Ion 120.80 (120.50 to 121.50): V





#41

Methacrylonitrile

Concen: Below Cal

RT: 5.19 min Scan# 755

Delta R.T. 0.12 min

Lab File: VX000171.D

Acq: 28 Feb 2018 17:02

Instrument :

MSVOA_X

ClientSampleId :

RFK-RMAB-MW11-GW

Tgt Ion: 41 Resp: 19

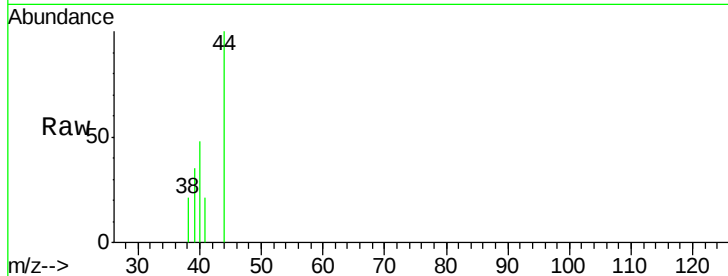
Ion Ratio Lower Upper

41 100

39 831.6 45.1 67.7#

67 0.0 61.0 91.4#

52 0.0 25.8 38.6#

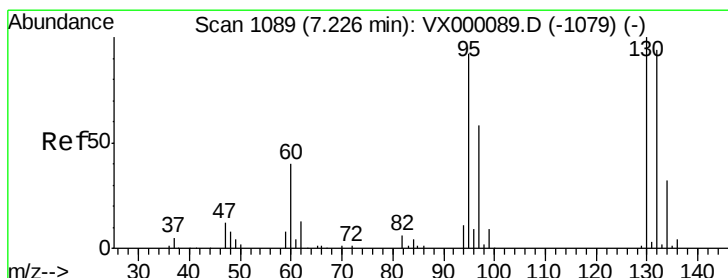
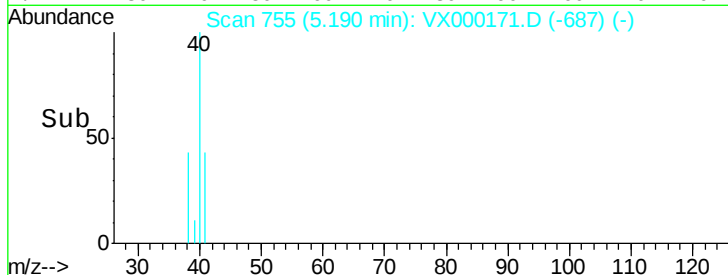
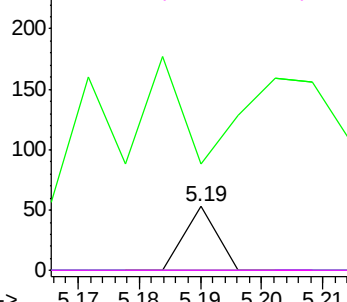


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#44

Trichloroethene

Concen: 0.52 ug/l

RT: 7.23 min Scan# 1089

Delta R.T. -0.00 min

Lab File: VX000171.D

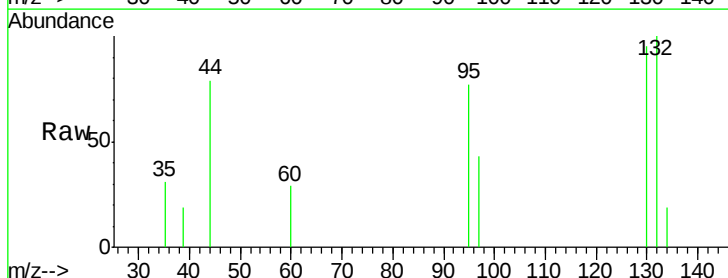
Acq: 28 Feb 2018 17:02

Tgt Ion: 130 Resp: 536

Ion Ratio Lower Upper

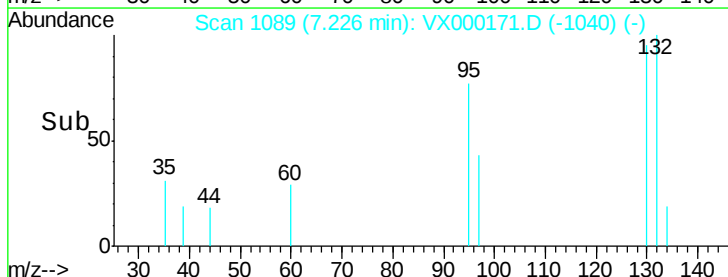
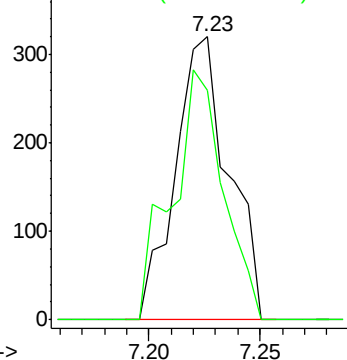
130 100

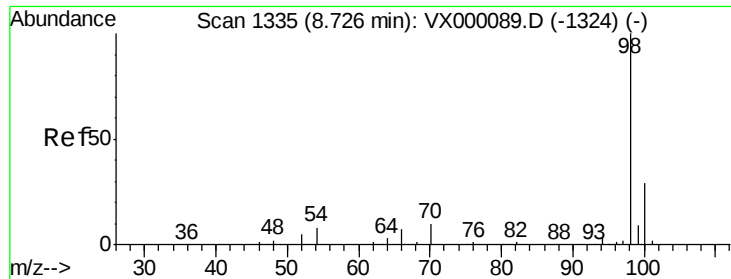
95 81.3 0.0 183.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#50

Toluene-d8

Concen: 48.94 ug/l

RT: 8.73 min Scan# 1335

Delta R.T. -0.00 min

Lab File: VX000171.D

Acq: 28 Feb 2018 17:02

Instrument :

MSVOA_X

ClientSampleId :

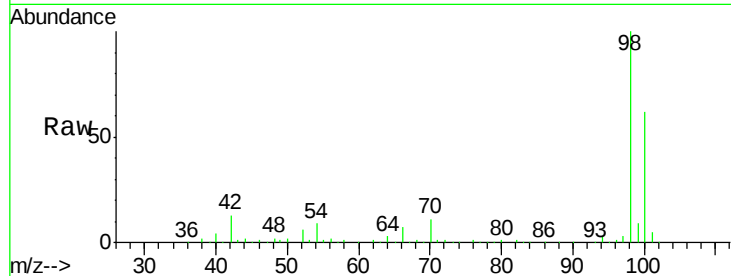
RFK-RMAB-MW11-GW

Tgt Ion: 98 Resp: 167913

Ion Ratio Lower Upper

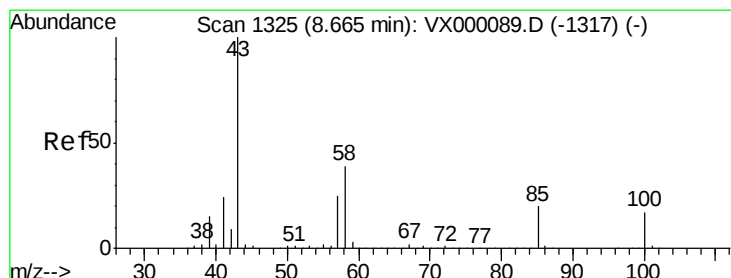
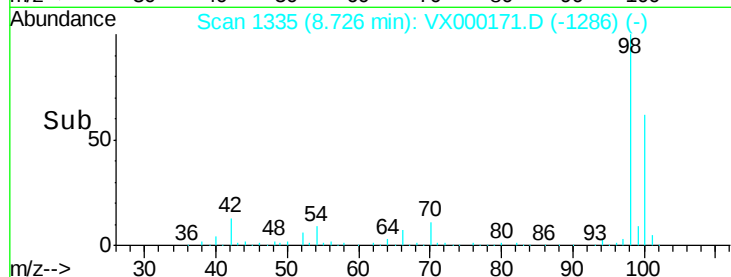
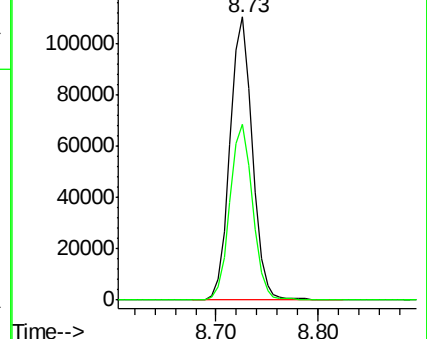
98 100

100 63.2 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#51

4-Methyl-2-Pentanone

Concen: 0.55 ug/l

RT: 8.73 min Scan# 1335

Delta R.T. 0.06 min

Lab File: VX000171.D

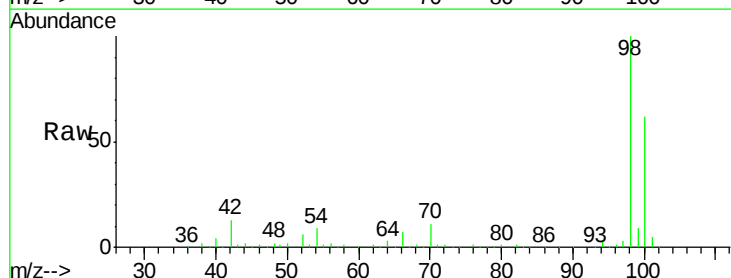
Acq: 28 Feb 2018 17:02

Tgt Ion: 43 Resp: 990

Ion Ratio Lower Upper

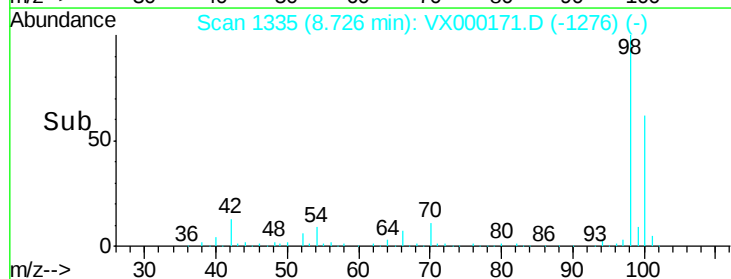
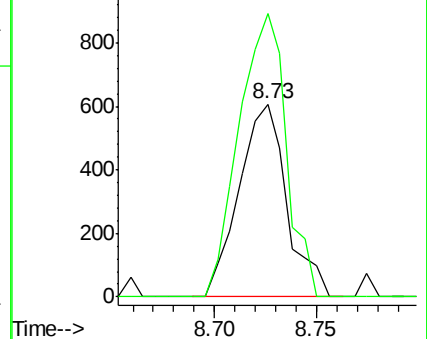
43 100

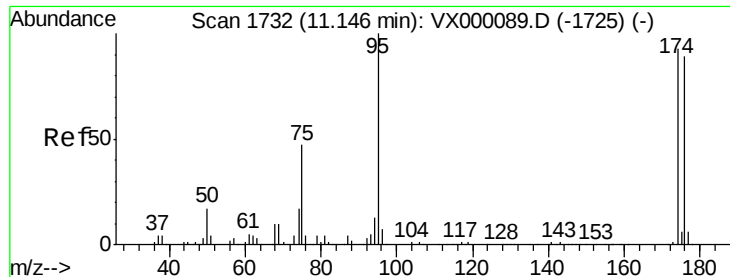
58 144.8 31.6 47.4#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#62

4-Bromofluorobenzene

Concen: 43.29 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VX000171.D

Acq: 28 Feb 2018 17:02

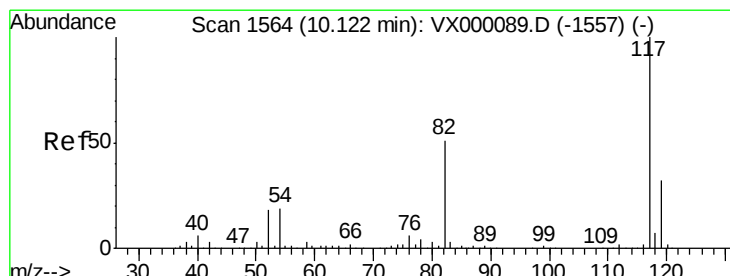
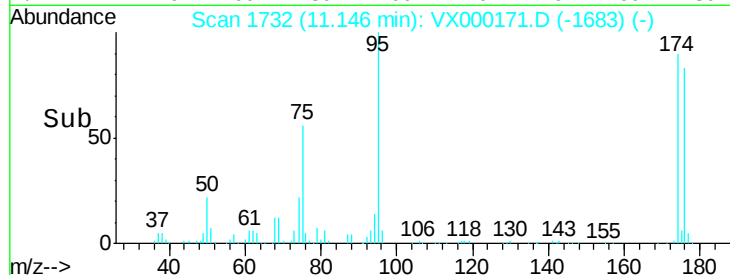
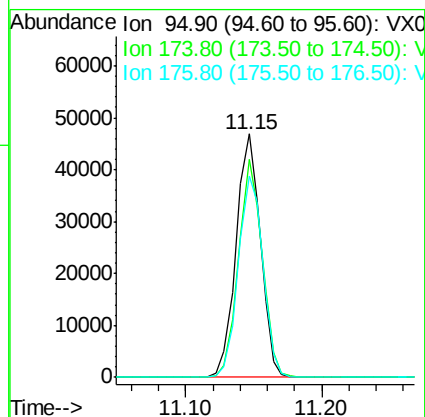
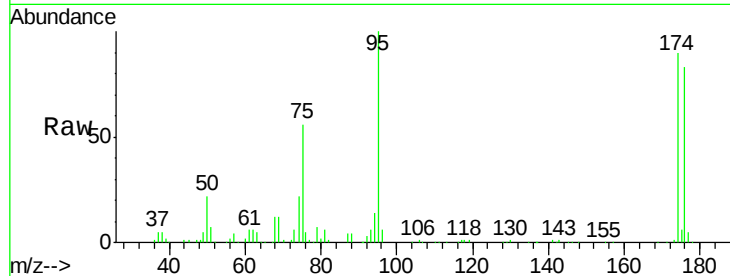
Instrument :

MSVOA_X

ClientSampleId :

RFK-RMAB-MW11-GW

Tgt Ion:	95	Resp:	58247
Ion	Ratio	Lower	Upper
95	100		
174	87.1	0.0	187.8
176	83.8	0.0	181.2



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

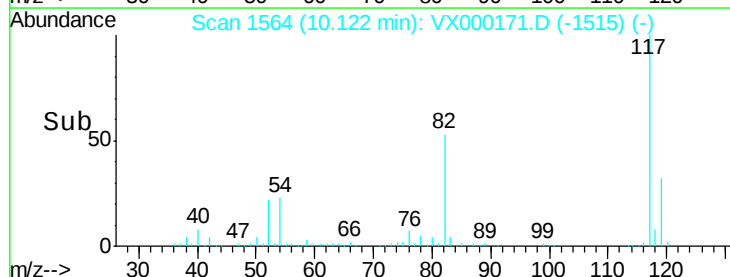
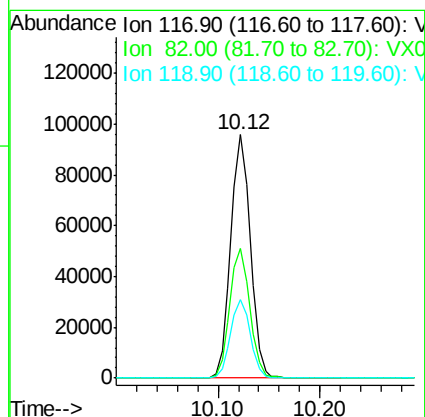
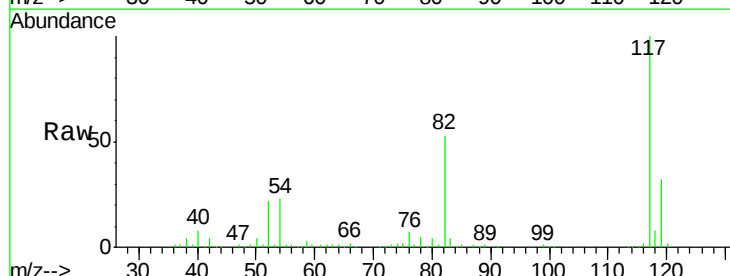
RT: 10.12 min Scan# 1564

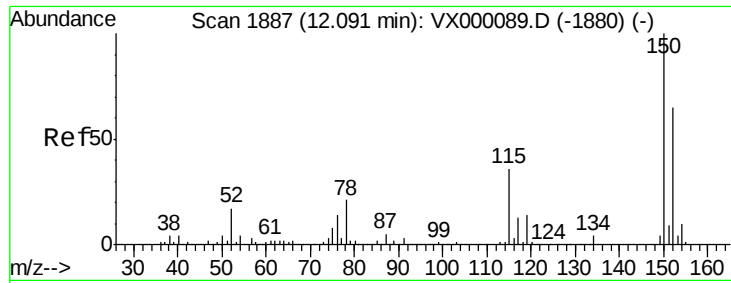
Delta R.T. -0.00 min

Lab File: VX000171.D

Acq: 28 Feb 2018 17:02

Tgt Ion:	117	Resp:	127677
Ion	Ratio	Lower	Upper
117	100		
82	53.2	41.0	61.6
119	32.4	25.5	38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.01 min

Lab File: VX000171.D

Acq: 28 Feb 2018 17:02

Instrument :

MSVOA_X

ClientSampleId :

RFK-RMAB-MW11-GW

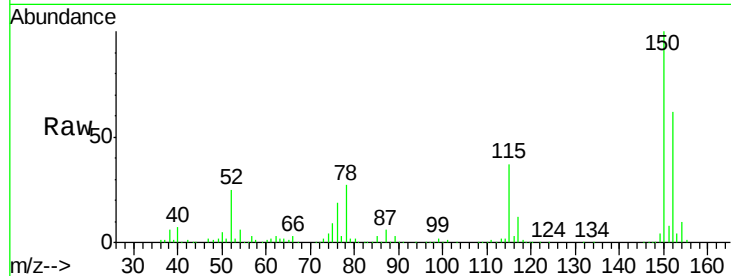
Tgt Ion:152 Resp: 64594

Ion Ratio Lower Upper

152 100

115 57.6 39.1 117.2

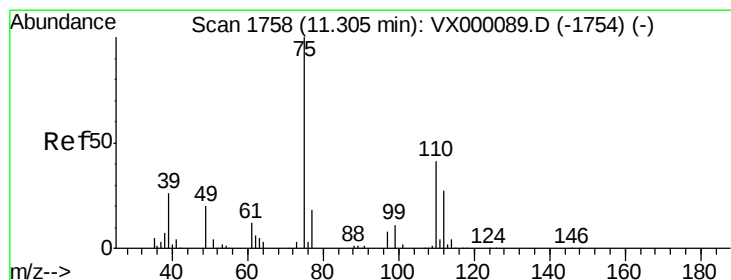
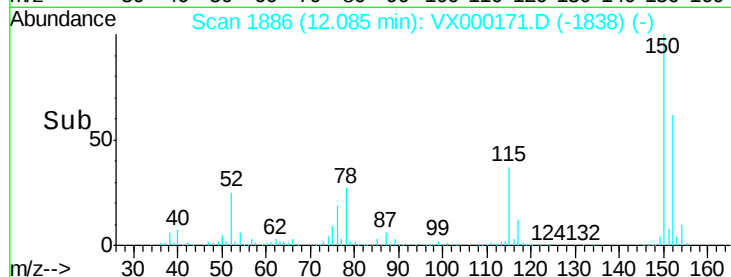
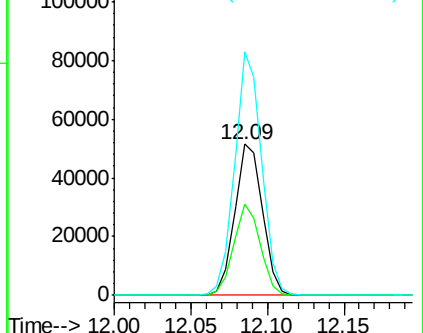
150 156.2 0.0 348.2



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: 24.06 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.16 min

Lab File: VX000171.D

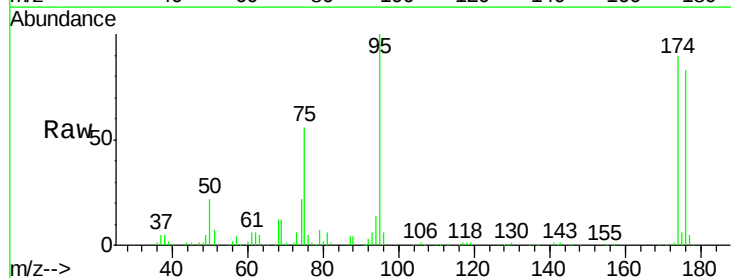
Acq: 28 Feb 2018 17:02

Tgt Ion: 75 Resp: 32193

Ion Ratio Lower Upper

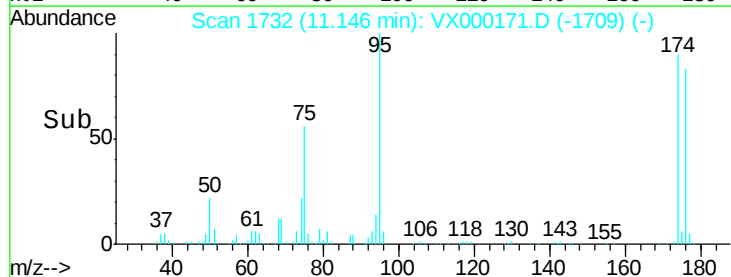
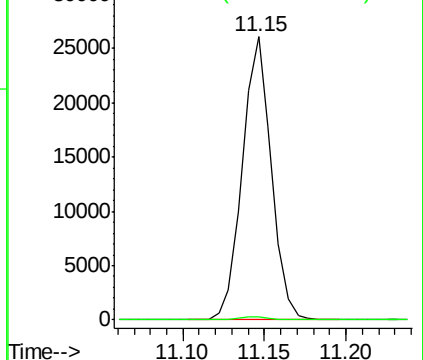
75 100

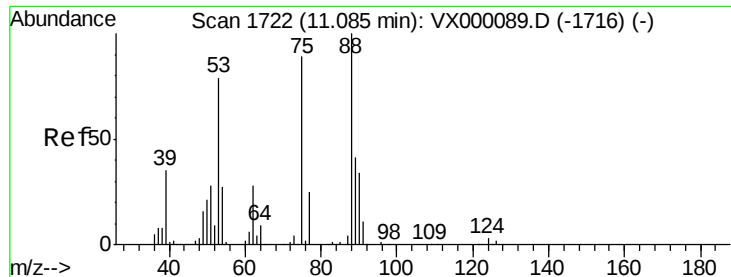
77 1.1 22.8 68.3#



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: 68.52 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.06 min

Lab File: VX000171.D

Acq: 28 Feb 2018 17:02

Instrument :

MSVOA_X

ClientSampleId :

RFK-RMAB-MW11-GW

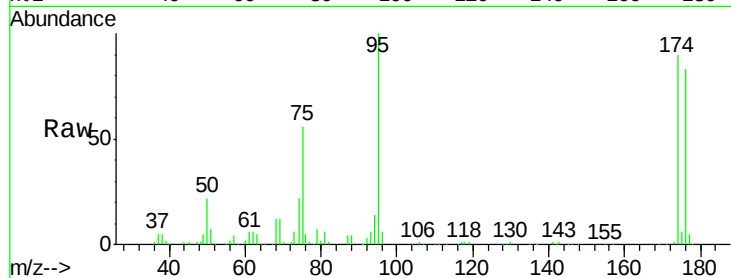
Tgt Ion: 75 Resp: 32193

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

