

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX040818\
 Data File : VX000725.D
 Acq On : 08 Apr 2018 12:40
 Operator : JC/MD
 Sample : J2190-11
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TRIP-BLANK-040218

Quant Time: Apr 09 06:39:32 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X040718W.M
 Quant Title : SW846 8260
 QLast Update : Sat Apr 07 17:01:21 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	320745	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	442378	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	406959	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	238498	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	162066	44.19	ug/l	0.00
Spiked Amount			Recovery	=	88.38%	
35) Dibromofluoromethane	5.51	113	136330	47.68	ug/l	0.00
Spiked Amount			Recovery	=	95.36%	
50) Toluene-d8	8.72	98	505928	46.69	ug/l	0.00
Spiked Amount			Recovery	=	93.38%	
62) 4-Bromofluorobenzene	11.14	95	204100	45.35	ug/l	0.00
Spiked Amount			Recovery	=	90.70%	

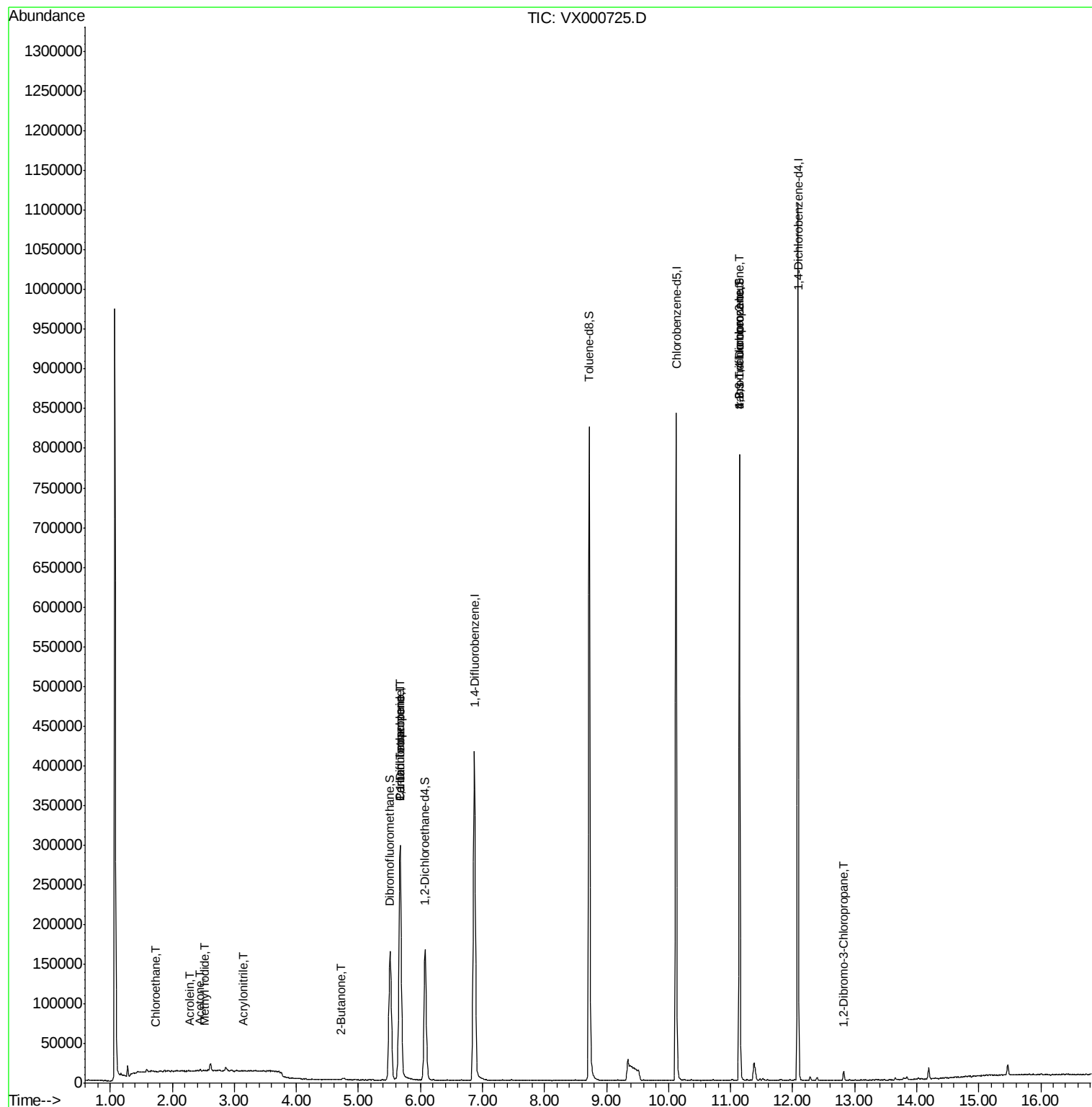
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	664	Below Cal	#	84
5) Bromomethane	1.65	94	405	Below Cal	#	74
6) Chloroethane	1.73	64	978	0.61	ug/l	55
8) Diethyl Ether	2.33	74	155	Below Cal		93
10) Methyl Iodide	2.52	142	868	5.65	ug/l	89
13) Acrolein	2.29	56	141	0.52	ug/l	14
15) Acrylonitrile	3.15	53	504	0.39	ug/l	99
16) Acetone	2.45	43	3036	2.64	ug/l	100
17) Carbon Disulfide	2.57	76	1108	Below Cal	#	75
20) Methylene Chloride	2.87	84	1920	Below Cal		92
25) 2-Butanone	4.71	43	407	0.20	ug/l	52
28) Bromochloromethane	5.03	49	21	Below Cal	#	63
31) Cyclohexane	5.67	56	5239	Below Cal	#	3
36) 1,1-Dichloropropene	5.67	75	19506	5.15	ug/l	50
38) Carbon Tetrachloride	5.67	117	26559	5.98	ug/l	16
39) Methylcyclohexane	7.46	83	263	Below Cal	#	55
76) 1,2,3-Trichloropropane	11.14	75	101773	25.08	ug/l	35
81) trans-1,4-Dichloro-2-buten	11.14	75	101773	65.30	ug/l	10
92) 1,2-Dibromo-3-Chloropropan	12.83	75	249	0.22	ug/l	1

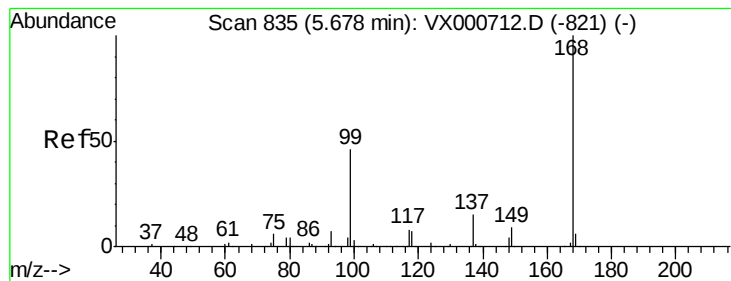
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Apr 07 17:01:21 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.01 min

Lab File: VX000725.D

Acq: 08 Apr 2018 12:40

Instrument :

MSVOA_X

ClientSampleId :

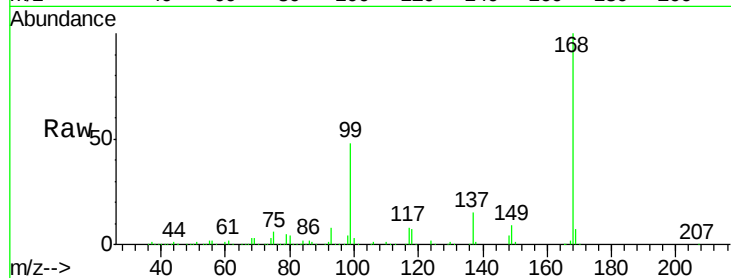
TRIP-BLANK-040218

Tgt Ion:168 Resp: 320745

Ion Ratio Lower Upper

168 100

99 48.3 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

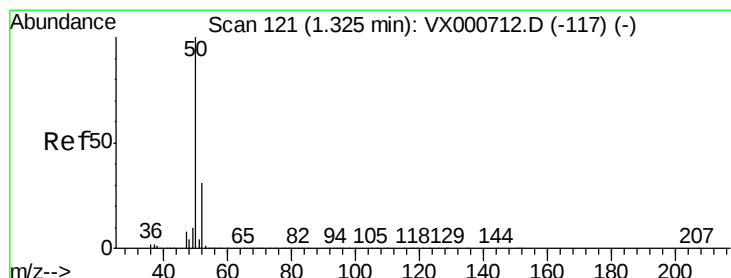
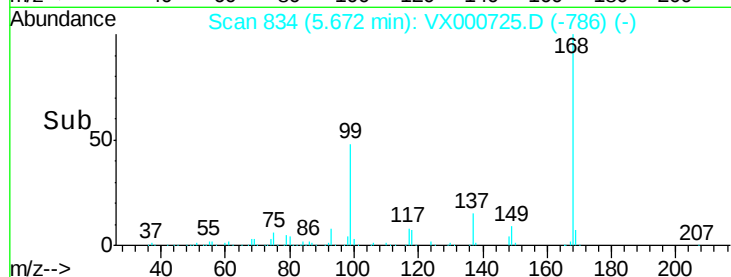
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80 5.90



#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX000725.D

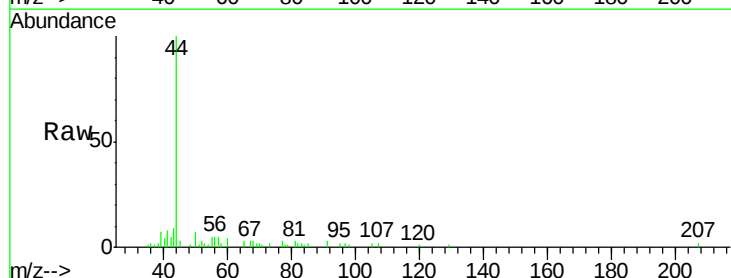
Acq: 08 Apr 2018 12:40

Tgt Ion: 50 Resp: 664

Ion Ratio Lower Upper

50 100

52 39.9 24.9 37.3#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

400

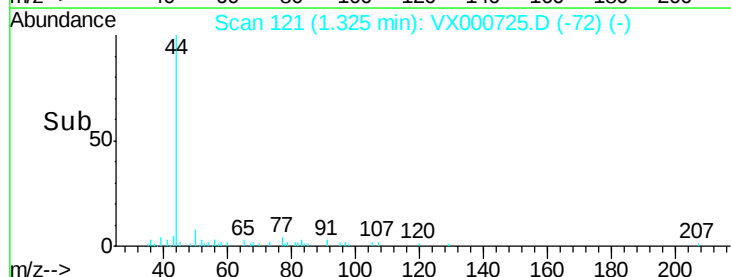
300

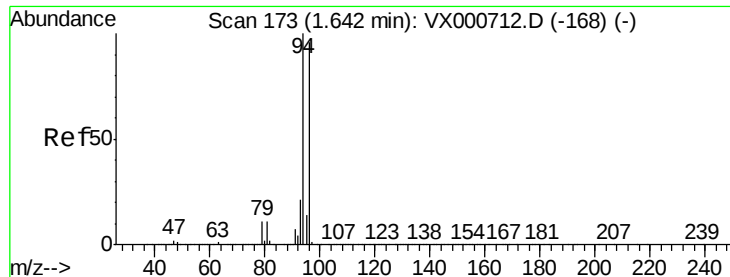
200

100

0

Time--> 1.30 1.35 1.40





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 175

Delta R.T. 0.01 min

Lab File: VX000725.D

Acq: 08 Apr 2018 12:40

Instrument :

MSVOA_X

ClientSampleId :

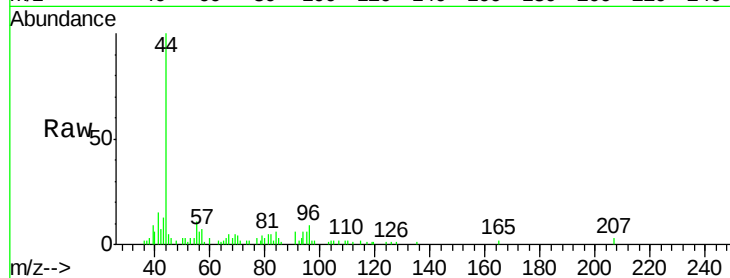
TRIP-BLANK-040218

Tgt Ion: 94 Resp: 405

Ion Ratio Lower Upper

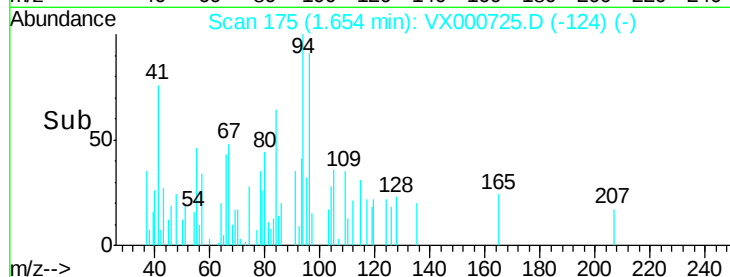
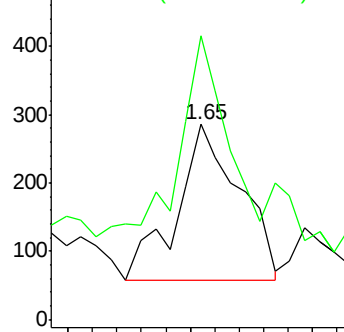
94 100

96 121.1 76.5 114.7#

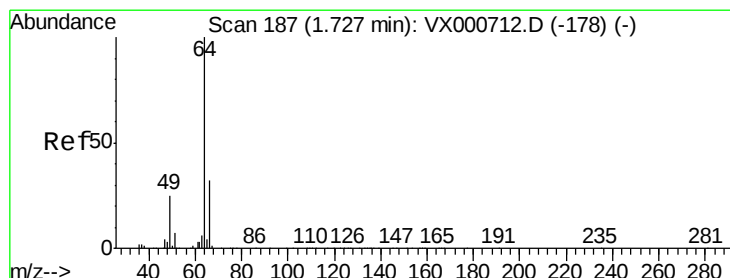


Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



Time-->



#6

Chloroethane

Concen: 0.61 ug/l

RT: 1.73 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX000725.D

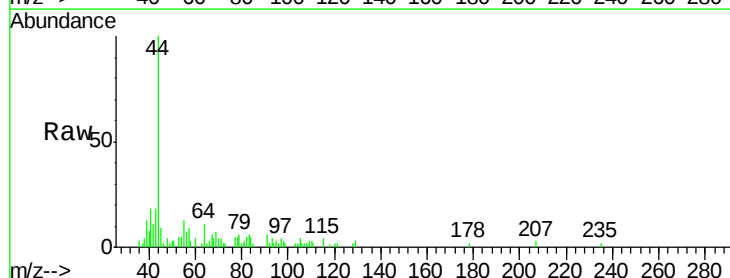
Acq: 08 Apr 2018 12:40

Tgt Ion: 64 Resp: 978

Ion Ratio Lower Upper

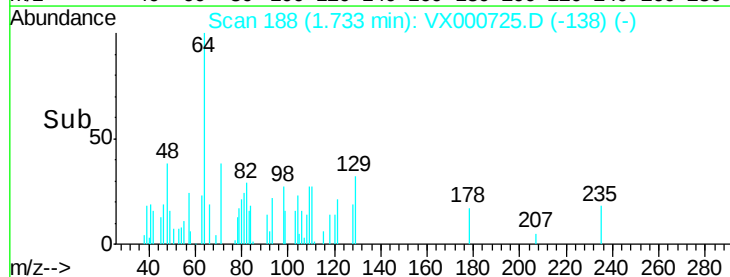
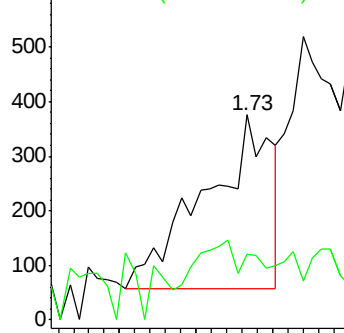
64 100

66 6.6 25.4 38.2#

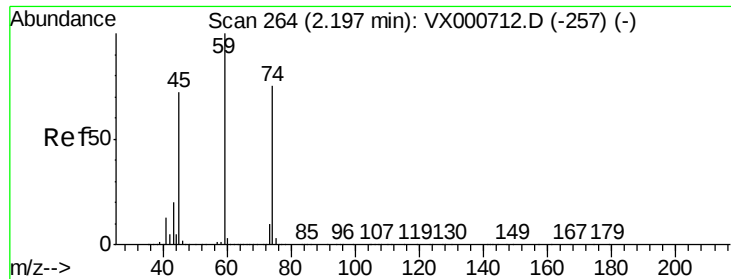


Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



Time-->



#8

Diethyl Ether

Concen: Below Cal

RT: 2.33 min Scan# 286

Delta R.T. 0.13 min

Lab File: VX000725.D

Acq: 08 Apr 2018 12:40

Instrument :

MSVOA_X

ClientSampleId :

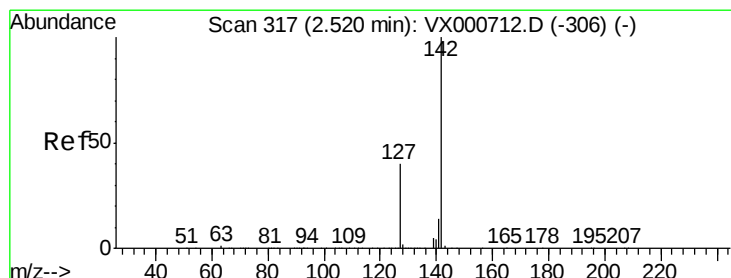
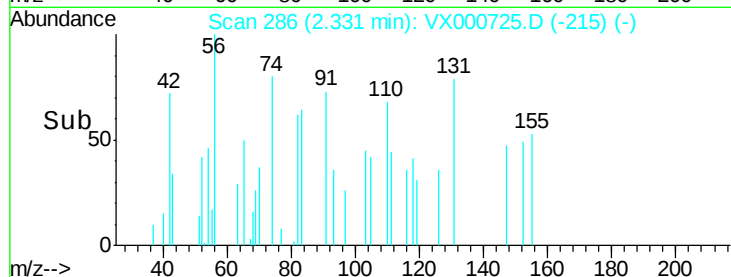
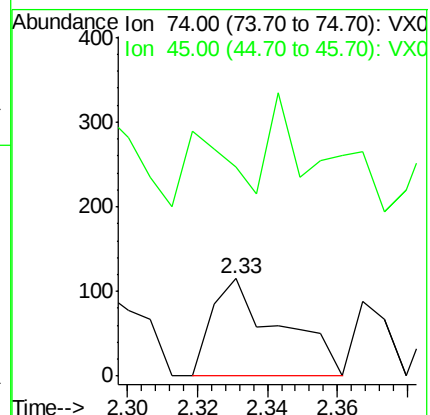
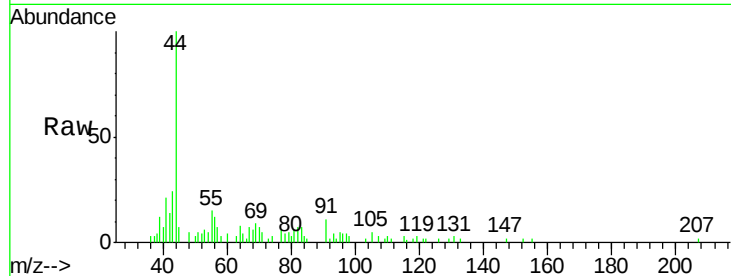
TRIP-BLANK-040218

Tgt Ion: 74 Resp: 155

Ion Ratio Lower Upper

74 100

45 89.7 48.4 145.3



#10

Methyl Iodide

Concen: 5.65 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.00 min

Lab File: VX000725.D

Acq: 08 Apr 2018 12:40

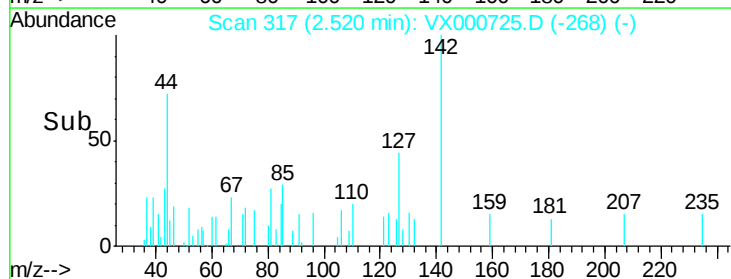
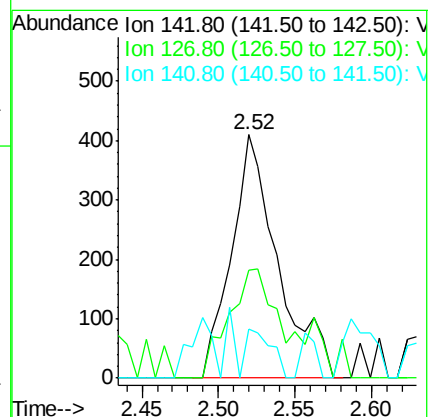
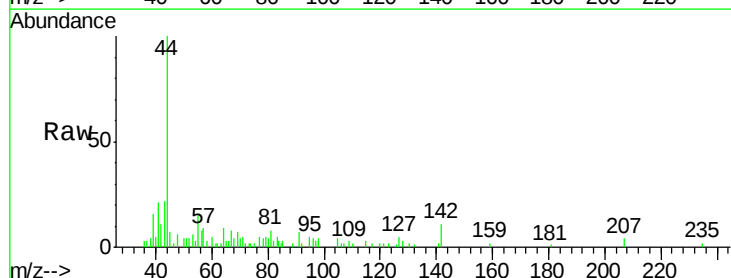
Tgt Ion: 142 Resp: 868

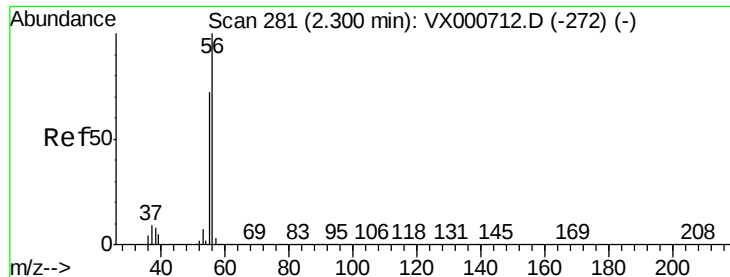
Ion Ratio Lower Upper

142 100

127 49.8 33.9 50.9

141 11.2 11.4 17.0#





#13

Acrolein

Concen: 0.52 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.01 min

Lab File: VX000725.D

Acq: 08 Apr 2018 12:40

Instrument :

MSVOA_X

ClientSampleId :

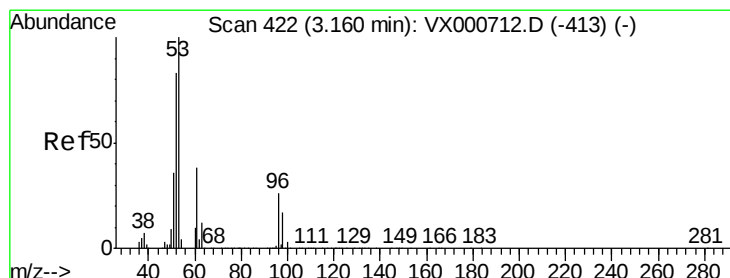
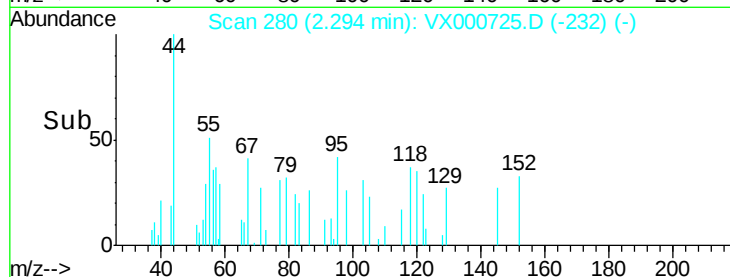
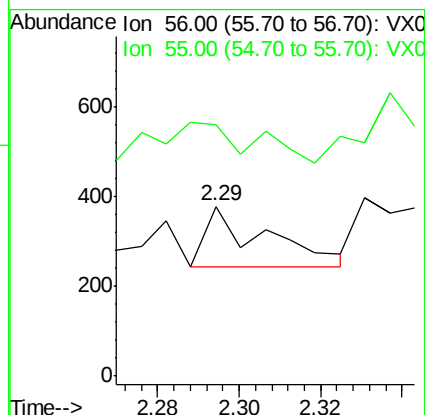
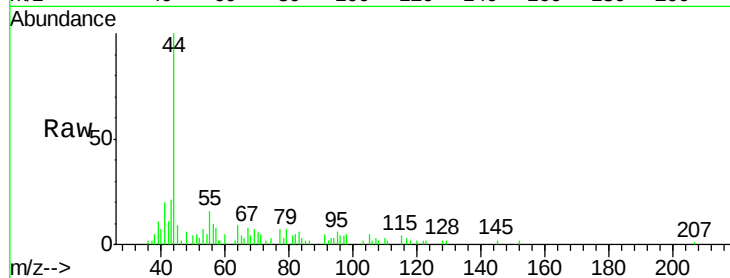
TRIP-BLANK-040218

Tgt Ion: 56 Resp: 141

Ion Ratio Lower Upper

56 100

55 0.0 57.4 86.2#



#15

Acrylonitrile

Concen: 0.39 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.01 min

Lab File: VX000725.D

Acq: 08 Apr 2018 12:40

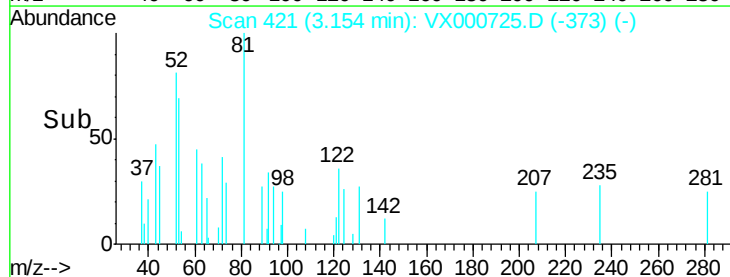
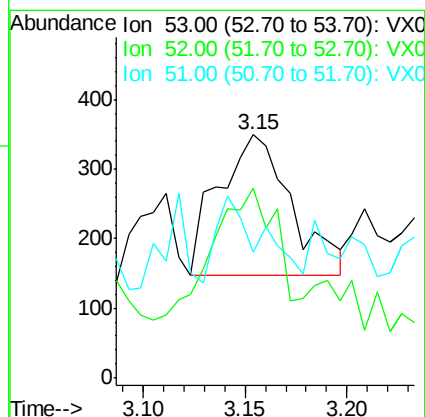
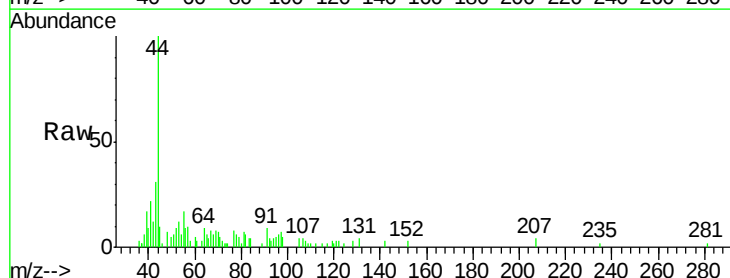
Tgt Ion: 53 Resp: 504

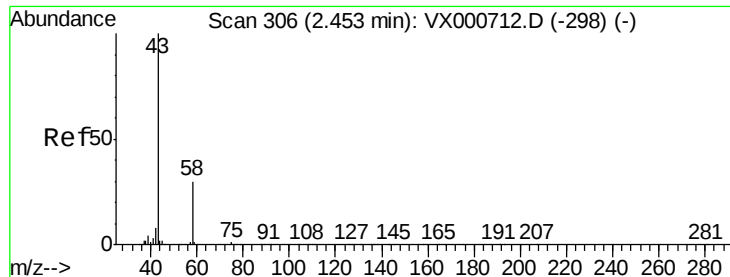
Ion Ratio Lower Upper

53 100

52 82.1 66.1 99.1

51 38.5 29.1 43.7





#16

Acetone

Concen: 2.64 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX000725.D

Acq: 08 Apr 2018 12:40

Instrument :

MSVOA_X

ClientSampleId :

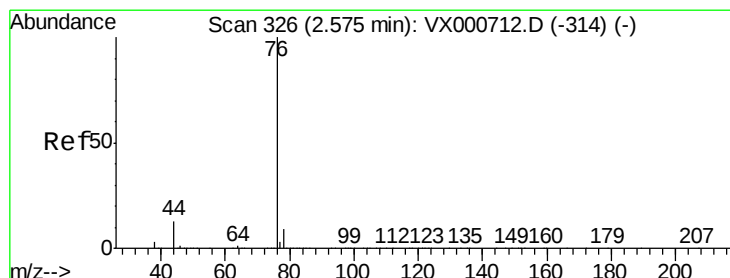
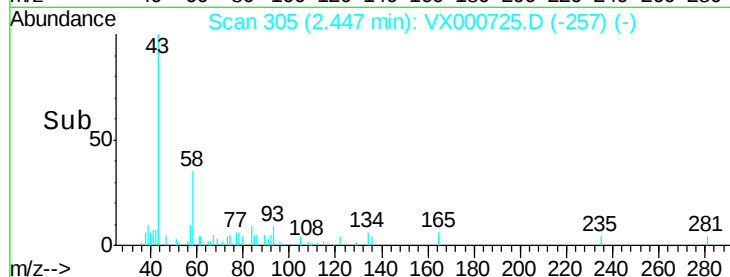
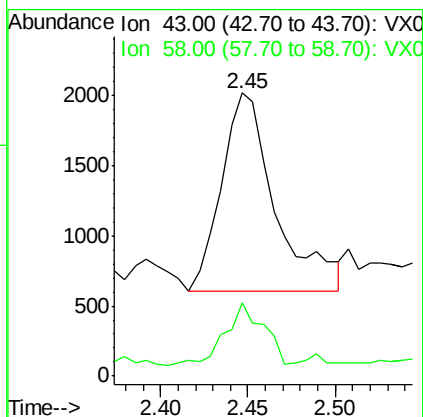
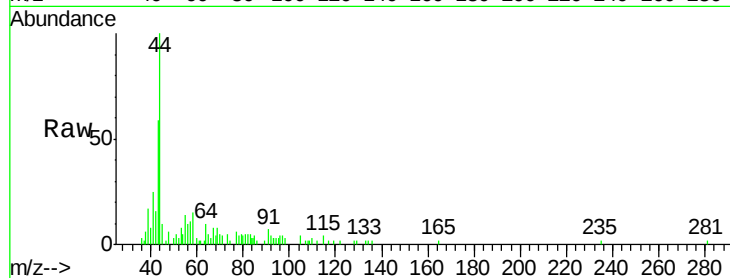
TRIP-BLANK-040218

Tgt Ion: 43 Resp: 3036

Ion Ratio Lower Upper

43 100

58 29.8 24.0 36.0



#17

Carbon Disulfide

Concen: Below Cal

RT: 2.57 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX000725.D

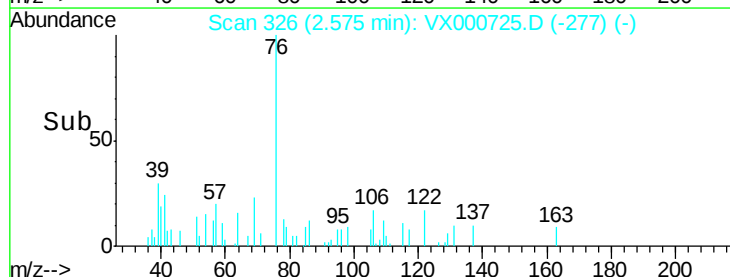
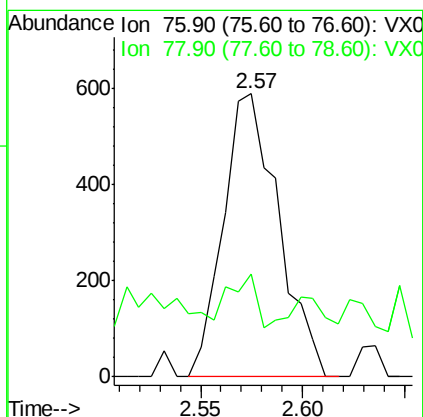
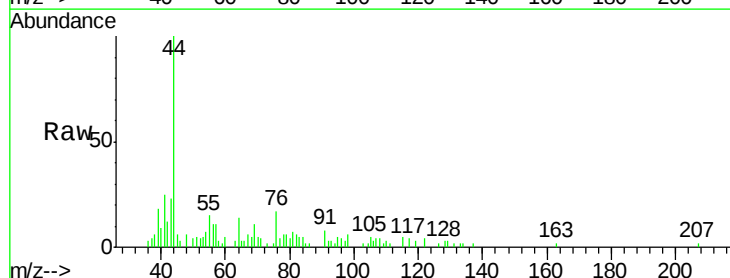
Acq: 08 Apr 2018 12:40

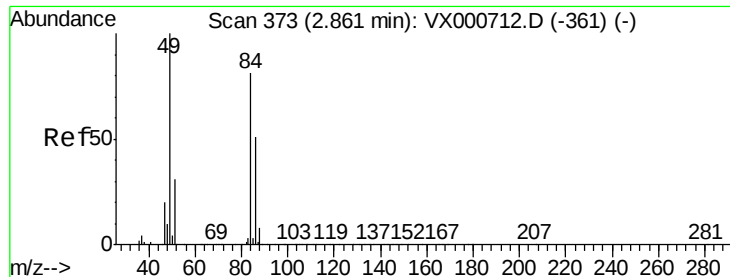
Tgt Ion: 76 Resp: 1108

Ion Ratio Lower Upper

76 100

78 18.0 7.1 10.7#



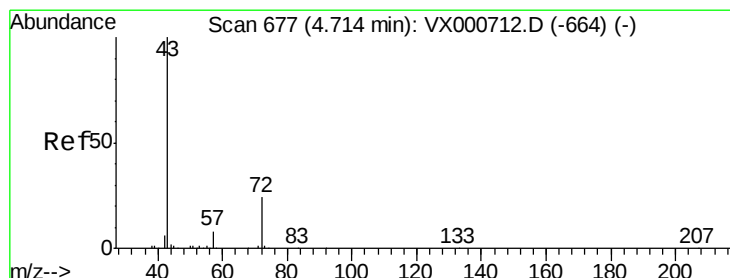
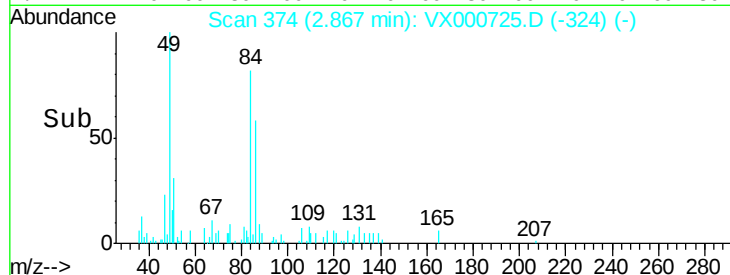
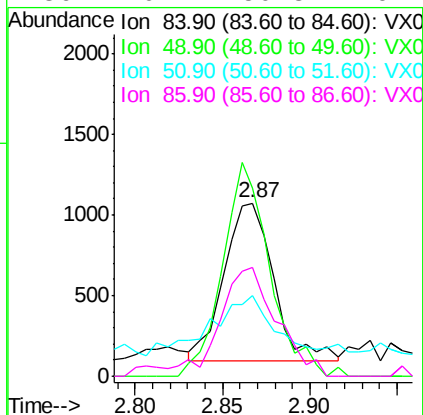
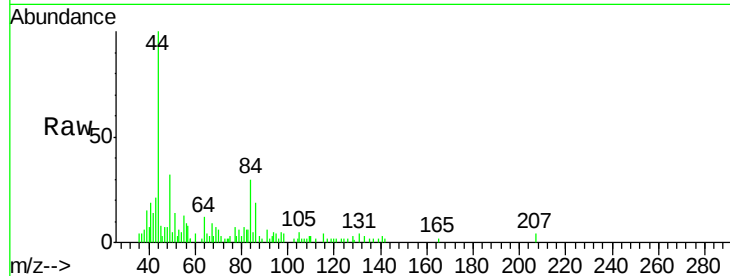


#20

Methylene Chloride
 Concen: Below Cal
 RT: 2.87 min Scan# 374
 Delta R.T. 0.01 min
 Lab File: VX000725.D
 Acq: 08 Apr 2018 12:40

Instrument :
 MSVOA_X
 ClientSampleId :
 TRIP-BLANK-040218

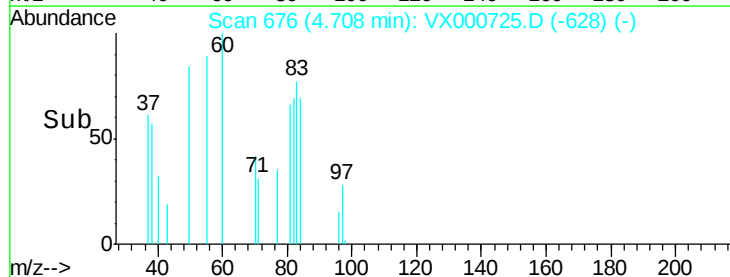
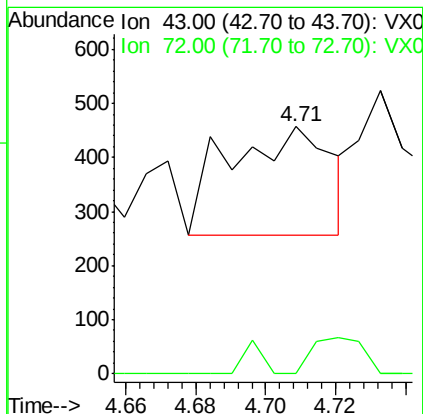
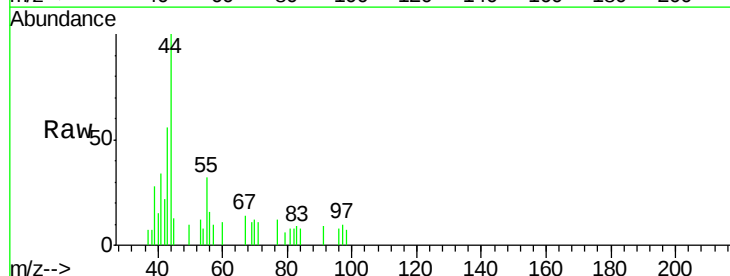
Tgt Ion:	84	Resp:	1920
Ion	Ratio	Lower	Upper
84	100		
49	116.2	98.6	148.0
51	31.9	30.8	46.2
86	70.4	50.8	76.2

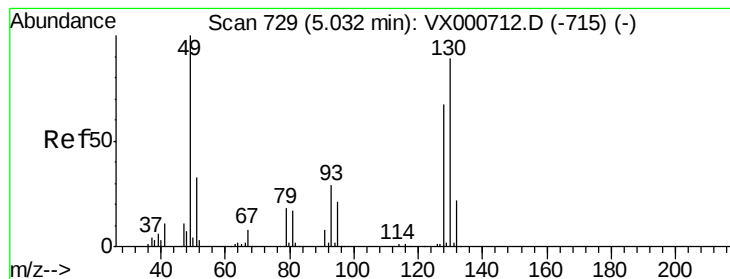


#25

2-Butanone
 Concen: 0.20 ug/l
 RT: 4.71 min Scan# 676
 Delta R.T. -0.01 min
 Lab File: VX000725.D
 Acq: 08 Apr 2018 12:40

Tgt Ion:	43	Resp:	407
Ion	Ratio	Lower	Upper
43	100		
72	0.0	19.0	28.4#





#28

Bromochloromethane

Concen: Below Cal

RT: 5.03 min Scan# 729

Delta R.T. 0.00 min

Lab File: VX000725.D

Acq: 08 Apr 2018 12:40

Instrument :

MSVOA_X

ClientSampleId :

TRIP-BLANK-040218

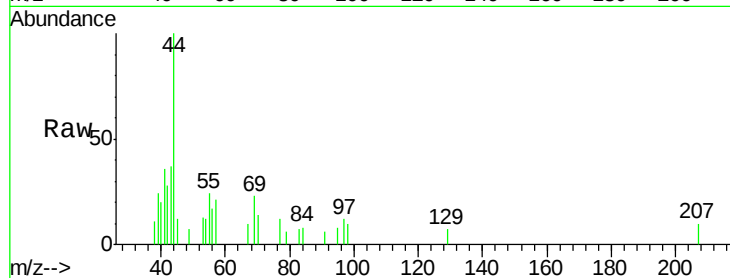
Tgt Ion: 49 Resp: 21

Ion Ratio Lower Upper

49 100

129 200.0 0.0 5.4#

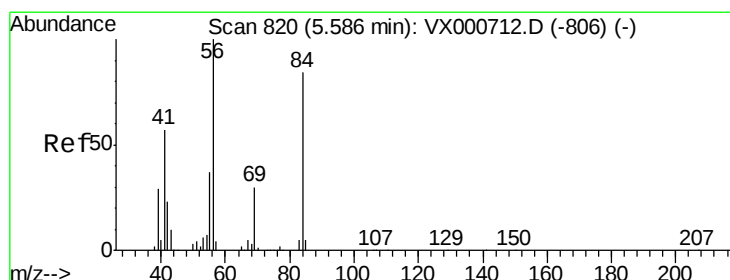
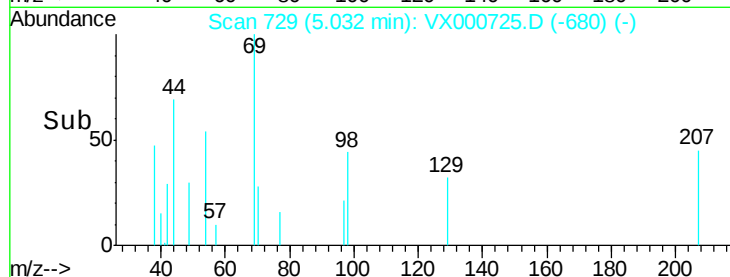
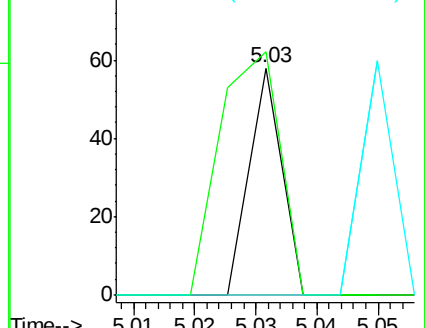
130 104.8 69.0 103.4#



Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



#31

Cyclohexane

Concen: Below Cal

RT: 5.67 min Scan# 833

Delta R.T. 0.08 min

Lab File: VX000725.D

Acq: 08 Apr 2018 12:40

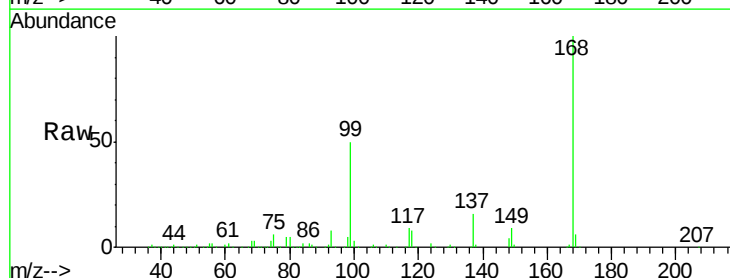
Tgt Ion: 56 Resp: 5239

Ion Ratio Lower Upper

56 100

69 158.3 23.8 35.6#

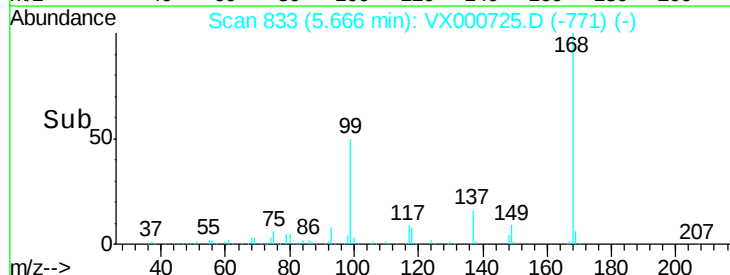
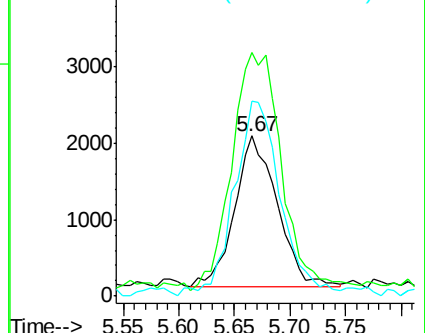
84 126.8 67.4 101.2#

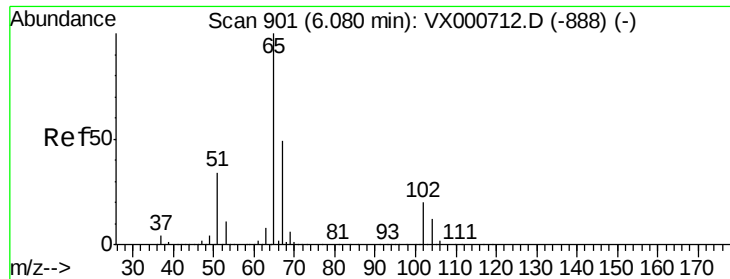


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 44.19 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.01 min

Lab File: VX000725.D

Acq: 08 Apr 2018 12:40

Instrument :

MSVOA_X

ClientSampleId :

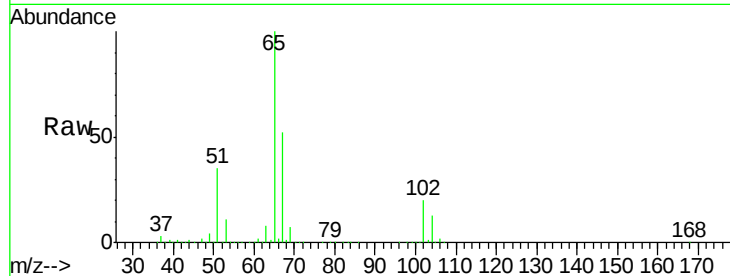
TRIP-BLANK-040218

Tgt Ion: 65 Resp: 162066

Ion Ratio Lower Upper

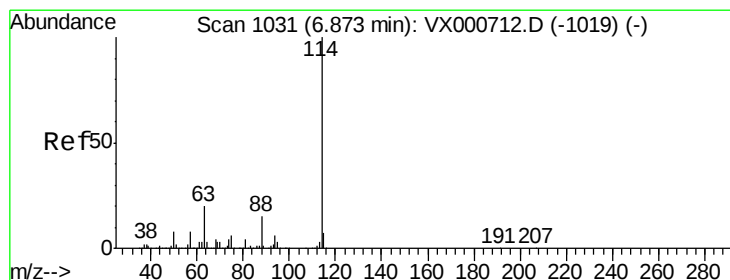
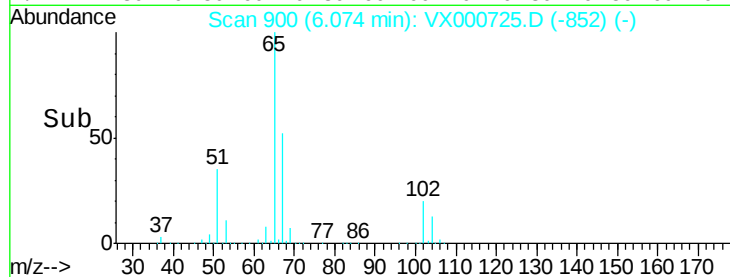
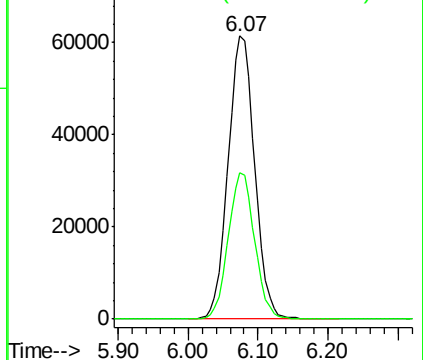
65 100

67 50.8 0.0 102.6



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# 1030

Delta R.T. -0.01 min

Lab File: VX000725.D

Acq: 08 Apr 2018 12:40

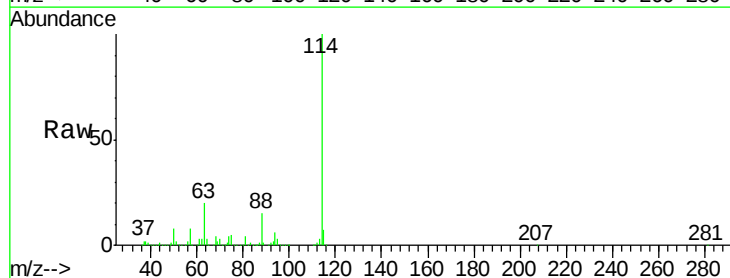
Tgt Ion: 114 Resp: 442378

Ion Ratio Lower Upper

114 100

63 19.6 0.0 39.6

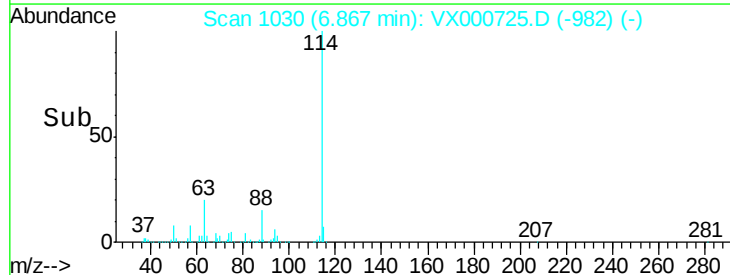
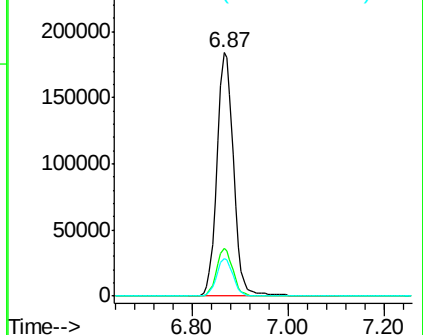
88 15.3 0.0 30.6

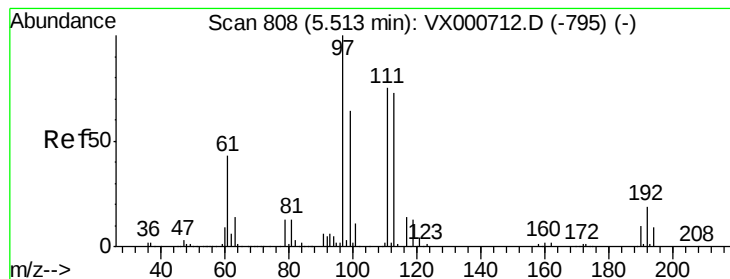


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 47.68 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.00 min

Lab File: VX000725.D

Acq: 08 Apr 2018 12:40

Instrument :

MSVOA_X

ClientSampleId :

TRIP-BLANK-040218

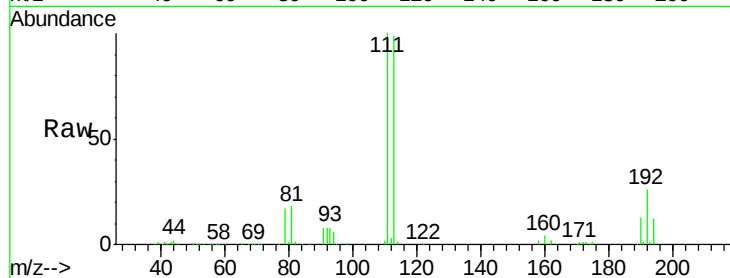
Tgt Ion:113 Resp: 136330

Ion Ratio Lower Upper

113 100

111 101.1 81.5 122.3

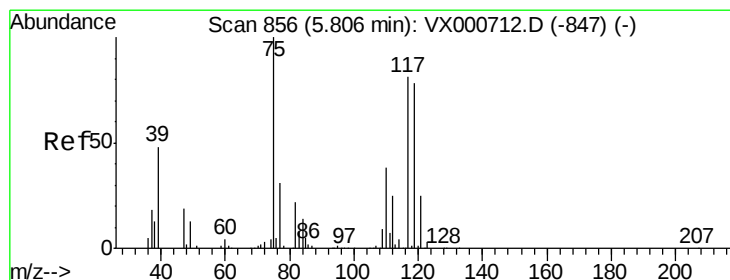
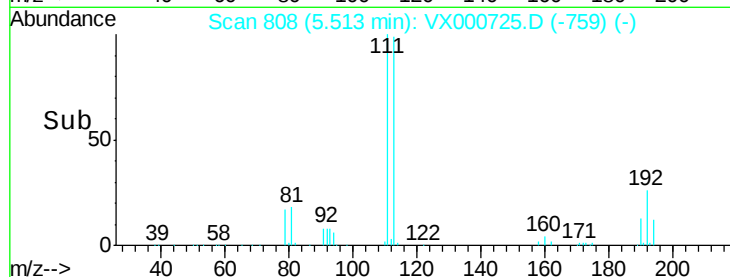
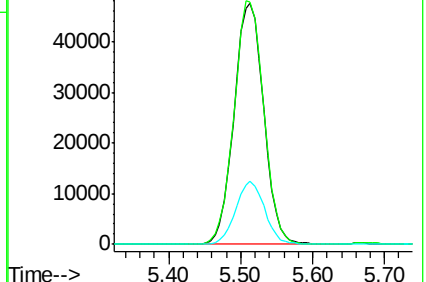
192 25.6 20.0 30.0



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: 5.15 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.13 min

Lab File: VX000725.D

Acq: 08 Apr 2018 12:40

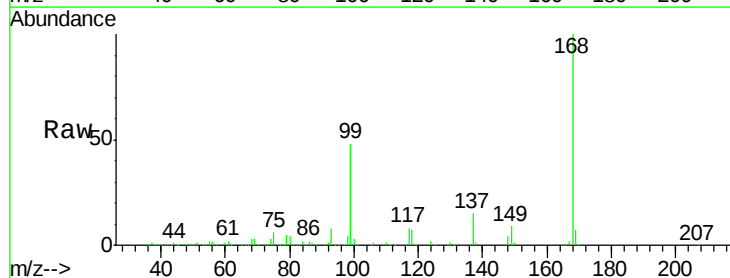
Tgt Ion: 75 Resp: 19506

Ion Ratio Lower Upper

75 100

110 10.8 18.6 56.0#

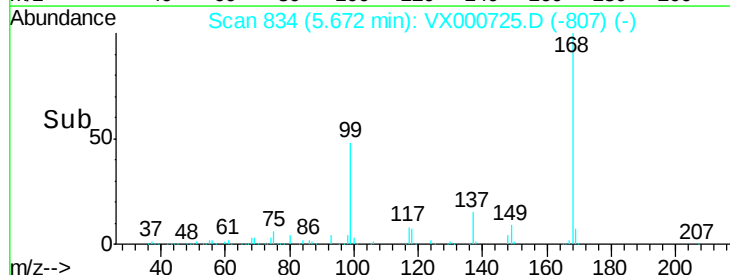
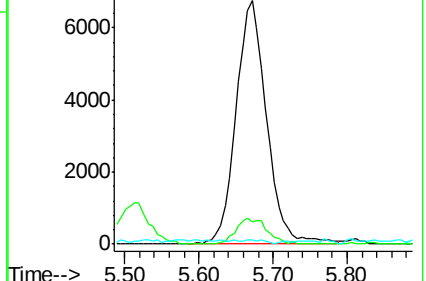
77 0.1 24.6 37.0#

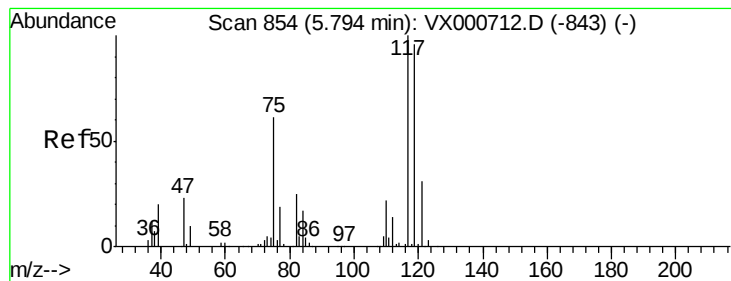


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 5.98 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX000725.D

Acq: 08 Apr 2018 12:40

Instrument :

MSVOA_X

ClientSampleId :

TRIP-BLANK-040218

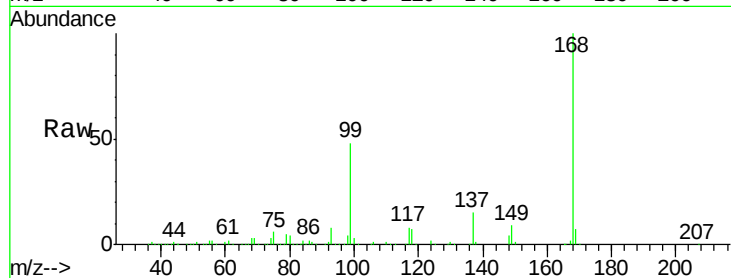
Tgt Ion: 117 Resp: 26559

Ion Ratio Lower Upper

117 100

119 5.0 76.7 115.1#

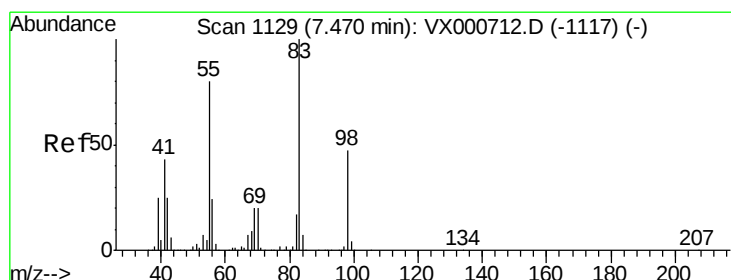
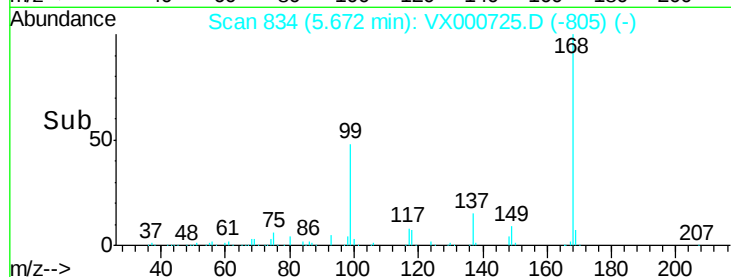
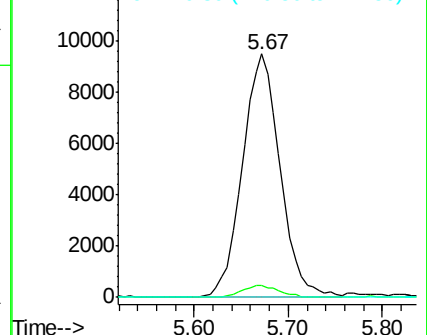
121 0.0 24.7 37.1#



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



#39

Methylcyclohexane

Concen: Below Cal

RT: 7.46 min Scan# 1127

Delta R.T. -0.01 min

Lab File: VX000725.D

Acq: 08 Apr 2018 12:40

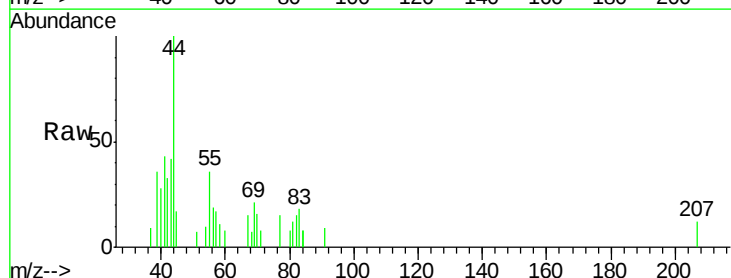
Tgt Ion: 83 Resp: 263

Ion Ratio Lower Upper

83 100

55 52.8 63.7 95.5#

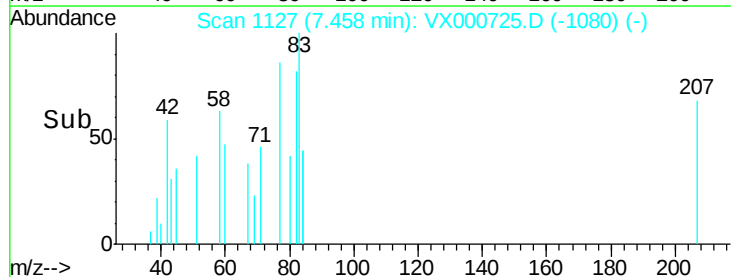
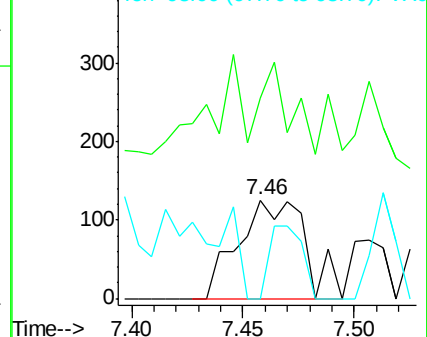
98 0.0 37.2 55.8#

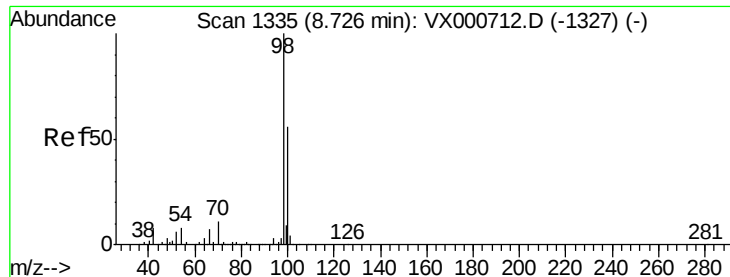


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#50

Toluene-d8

Concen: 46.69 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.01 min

Lab File: VX000725.D

Acq: 08 Apr 2018 12:40

Instrument :

MSVOA_X

ClientSampleId :

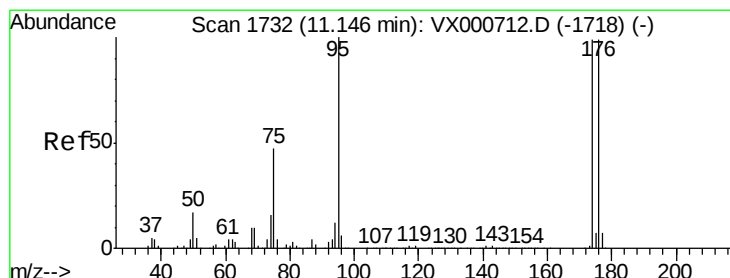
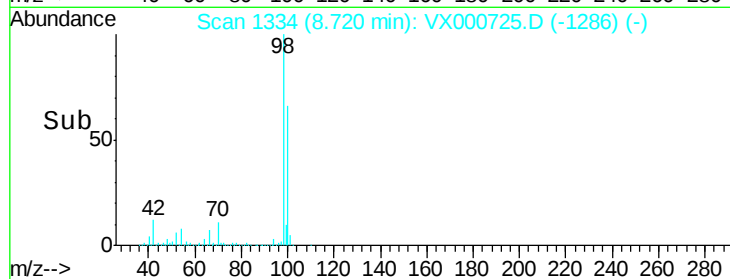
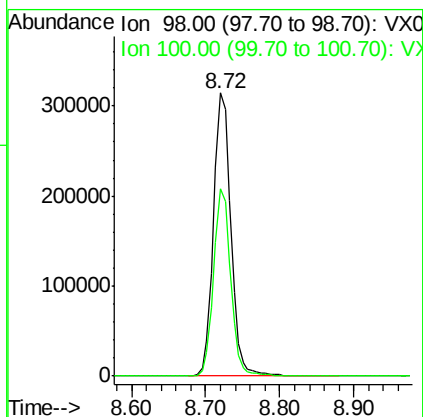
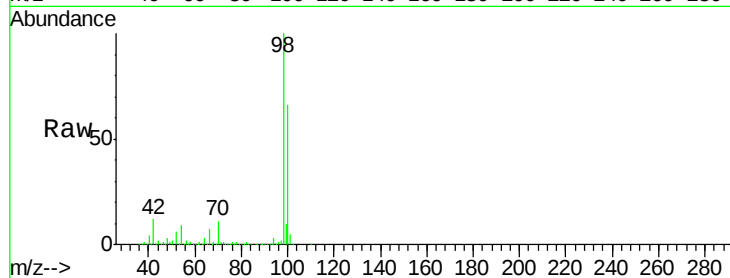
TRIP-BLANK-040218

Tgt Ion: 98 Resp: 505928

Ion Ratio Lower Upper

98 100

100 65.1 52.6 78.8



#62

4-Bromofluorobenzene

Concen: 45.35 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.01 min

Lab File: VX000725.D

Acq: 08 Apr 2018 12:40

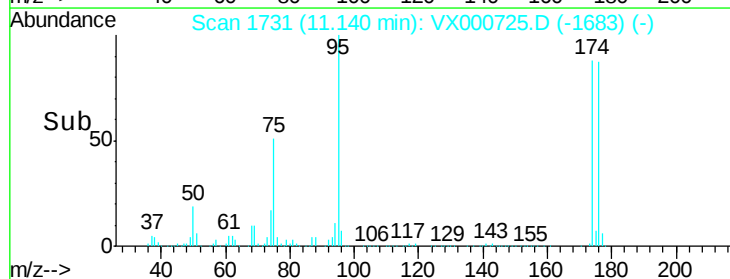
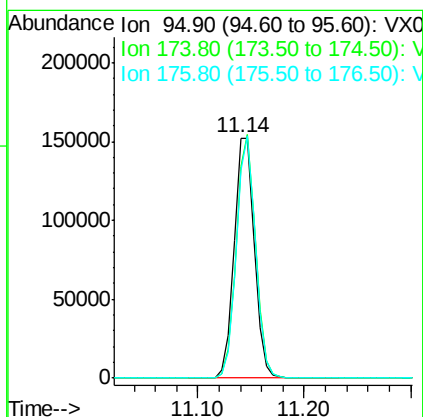
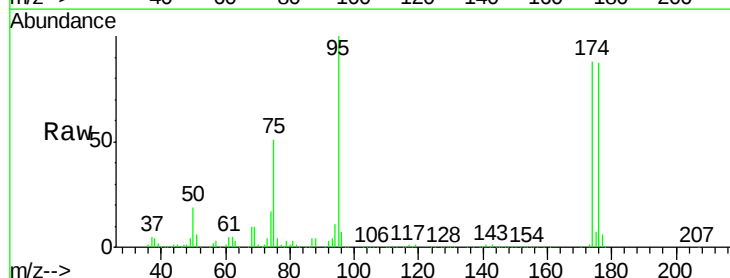
Tgt Ion: 95 Resp: 204100

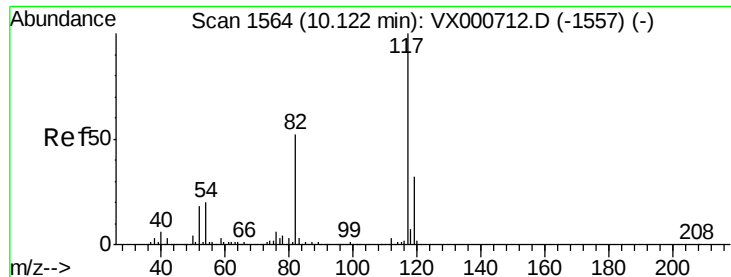
Ion Ratio Lower Upper

95 100

174 96.0 0.0 191.6

176 94.6 0.0 187.0





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VX000725.D

Acq: 08 Apr 2018 12:40

Instrument :

MSVOA_X

ClientSampleId :

TRIP-BLANK-040218

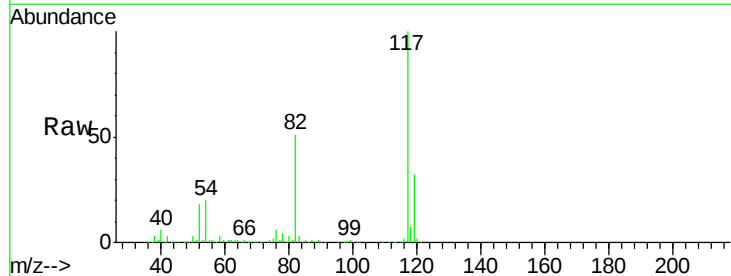
Tgt Ion:117 Resp: 406959

Ion Ratio Lower Upper

117 100

82 51.5 41.9 62.9

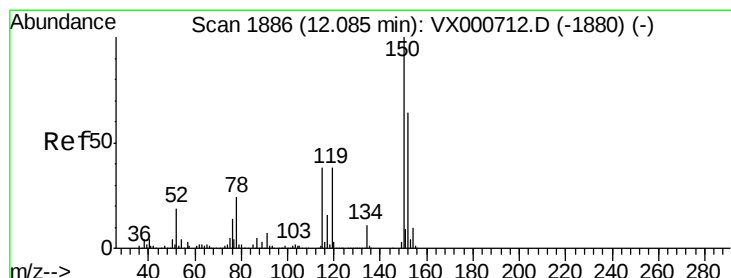
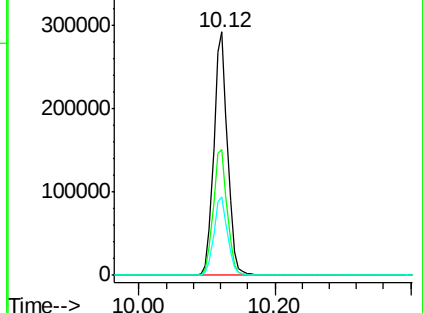
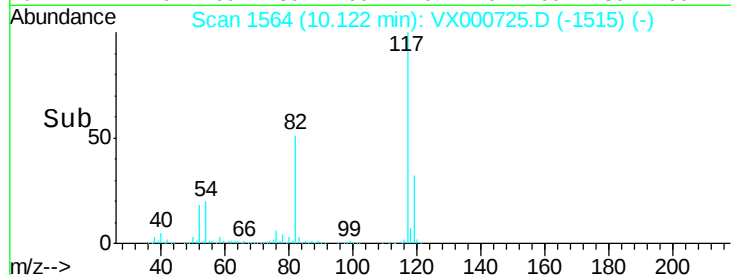
119 32.3 25.8 38.8



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. 0.00 min

Lab File: VX000725.D

Acq: 08 Apr 2018 12:40

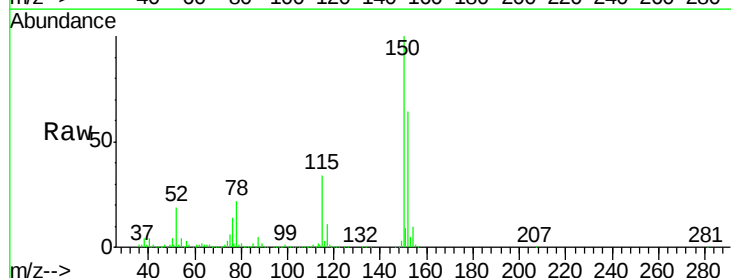
Tgt Ion:152 Resp: 238498

Ion Ratio Lower Upper

152 100

115 53.6 37.7 113.1

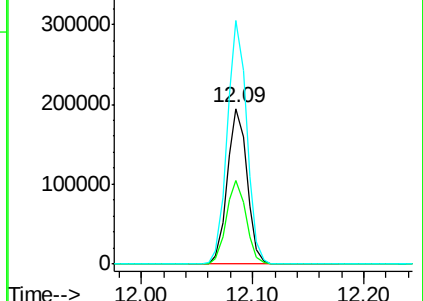
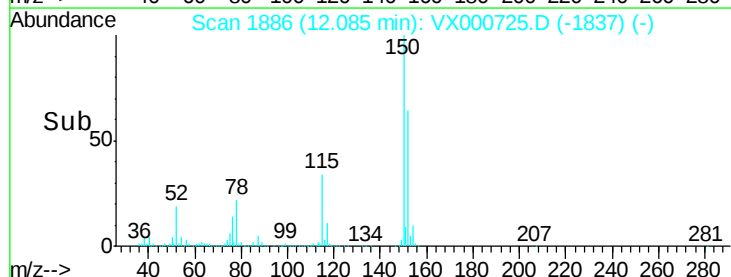
150 154.6 0.0 345.0

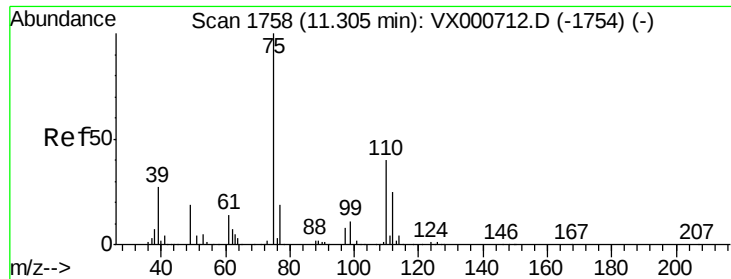


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

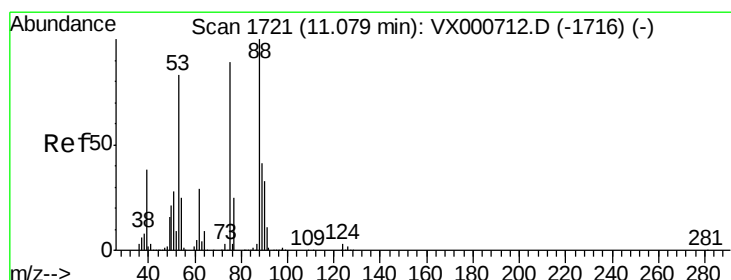
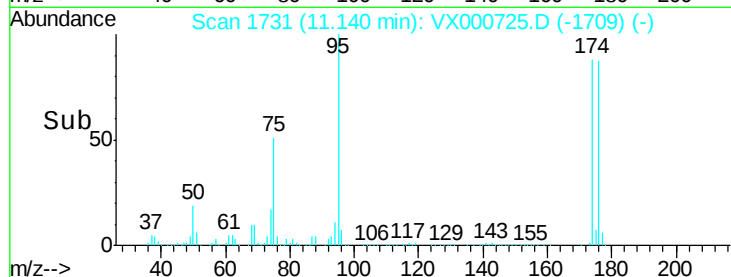
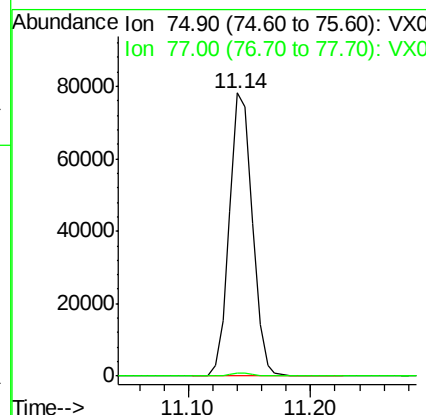
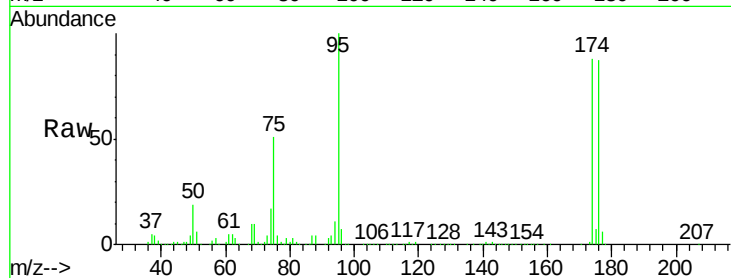




#76
 1,2,3-Trichloropropane
 Concen: 25.08 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX000725.D
 Acq: 08 Apr 2018 12:40

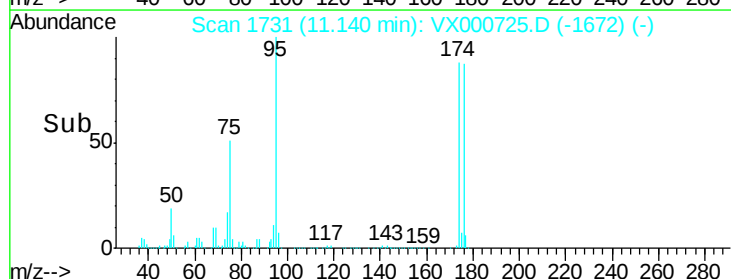
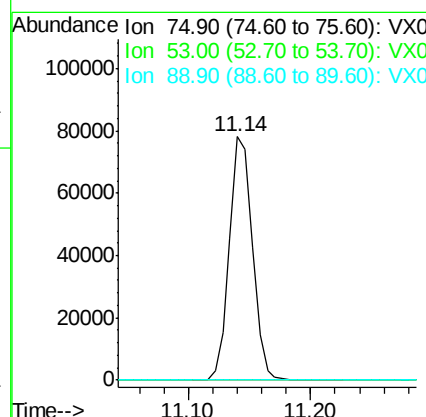
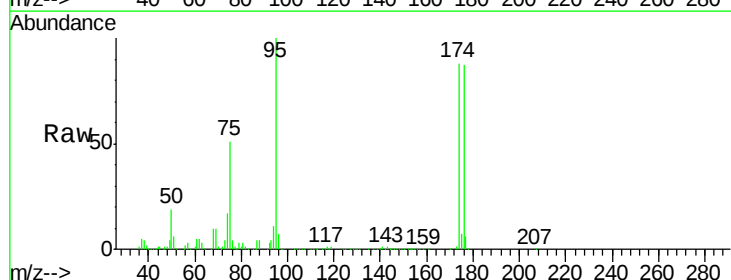
Instrument :
 MSVOA_X
 ClientSampleId :
 TRIP-BLANK-040218

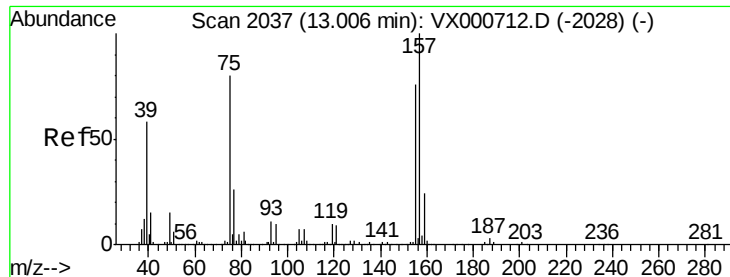
Tgt Ion: 75 Resp: 101773
 Ion Ratio Lower Upper
 75 100
 77 1.1 21.3 63.7#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 65.30 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX000725.D
 Acq: 08 Apr 2018 12:40

Tgt Ion: 75 Resp: 101773
 Ion Ratio Lower Upper
 75 100
 53 0.1 74.2 111.2#
 89 0.0 46.6 69.8#





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.22 ug/l

RT: 12.83 min Scan# 2008

Delta R.T. -0.18 min

Lab File: VX000725.D

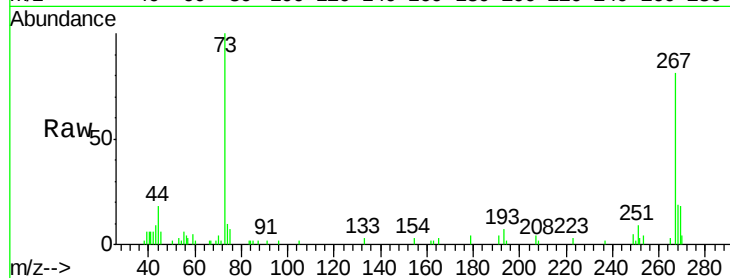
Acq: 08 Apr 2018 12:40

Instrument :

MSVOA_X

ClientSampleId :

TRIP-BLANK-040218



Tgt Ion:	75	Resp:	249
Ion	Ratio	Lower	Upper
75	100		
155	0.0	48.4	145.0#
157	0.0	62.8	188.5#

