

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062818\
 Data File : VX002986.D
 Acq On : 28 Jun 2018 15:41
 Operator : JC/MD
 Sample : J3704-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGEBLANK-SAMPLEMANAG

Quant Time: Jun 29 06:09:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 14:38:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	263317	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	370361	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	340792	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	192024	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	174625	47.98	ug/l	0.00
Spiked Amount			Recovery	=	95.96%	
35) Dibromofluoromethane	5.51	113	142521	48.59	ug/l	0.00
Spiked Amount			Recovery	=	97.18%	
50) Toluene-d8	8.72	98	518154	48.38	ug/l	0.00
Spiked Amount			Recovery	=	96.76%	
62) 4-Bromofluorobenzene	11.14	95	182862	44.27	ug/l	0.00
Spiked Amount			Recovery	=	88.54%	

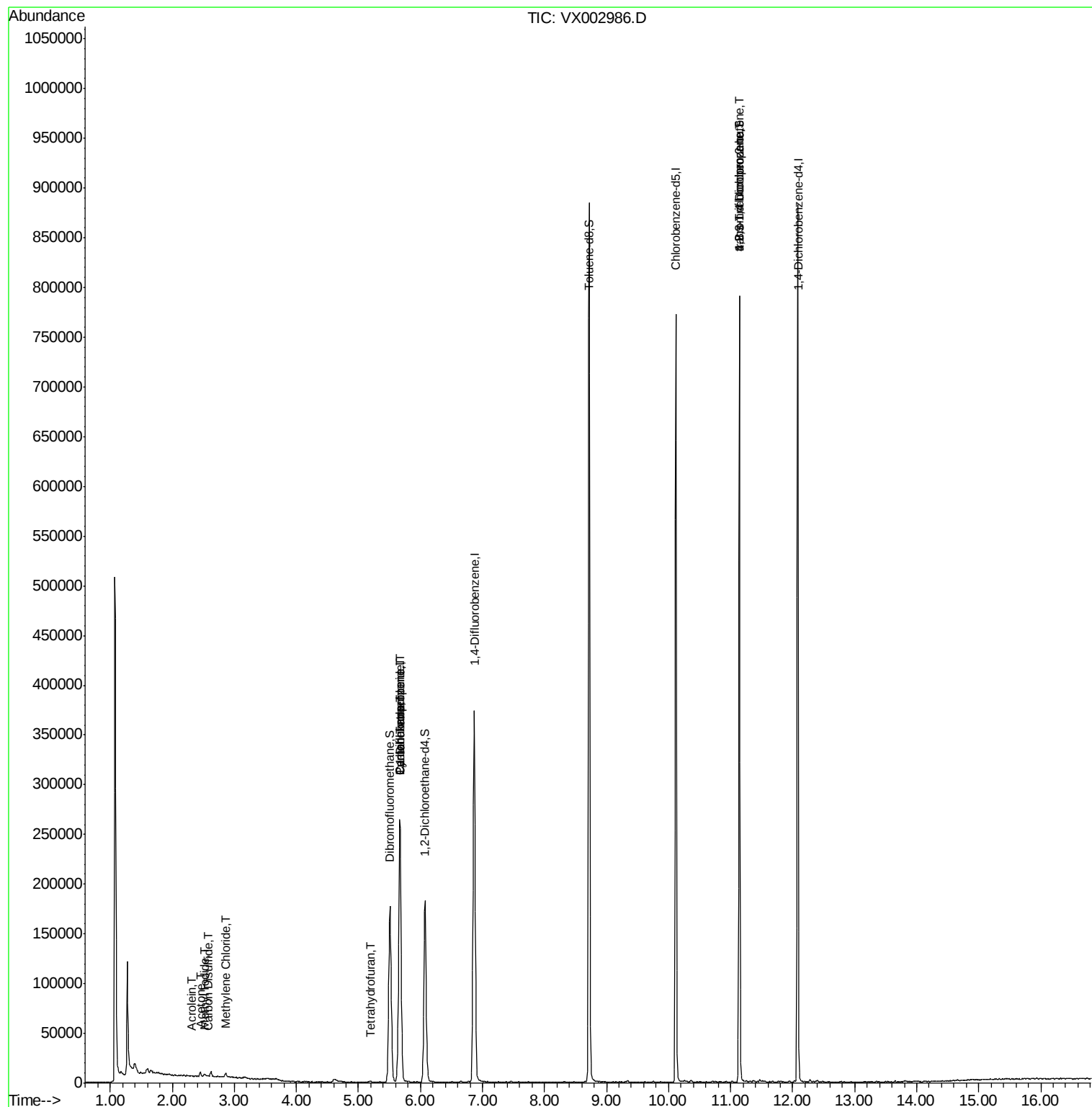
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	144	Below Cal	#	43
3) Chloromethane	1.33	50	1392	Below Cal	#	98
5) Bromomethane	1.65	94	2163	Below Cal	#	80
6) Chloroethane	1.78	64	420	Below Cal	#	43
10) Methyl Iodide	2.51	142	2950	7.10	ug/l	95
13) Acrolein	2.31	56	174	4.65	ug/l	99
16) Acetone	2.45	43	5313	3.52	ug/l	94
17) Carbon Disulfide	2.57	76	1439	0.21	ug/l	82
20) Methylene Chloride	2.86	84	2023	0.69	ug/l	80
29) Tetrahydrofuran	5.20	42	841	0.59	ug/l	65
31) Cyclohexane	5.67	56	5092	1.12	ug/l	9
36) 1,1-Dichloropropene	5.67	75	17484	4.30	ug/l	52
38) Carbon Tetrachloride	5.67	117	24440	5.48	ug/l	16
76) 1,2,3-Trichloropropane	11.14	75	95371	27.42	ug/l	33
81) trans-1,4-Dichloro-2-buten	11.14	75	95371	77.57	ug/l	7

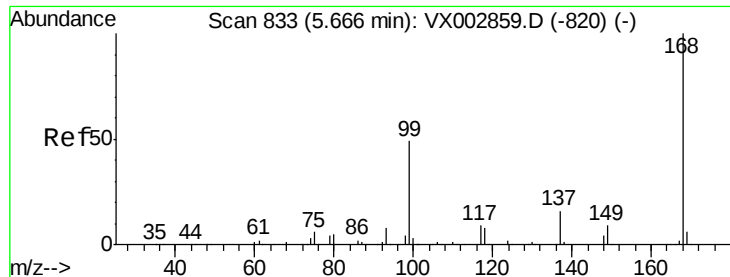
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 29 06:09:05 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
Quant Title : SW846 8260
QLast Update : Mon Jun 25 14:38:05 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.00 min

Lab File: VX002986.D

Acq: 28 Jun 2018 15:41

Instrument :

MSVOA_X

ClientSampleId :

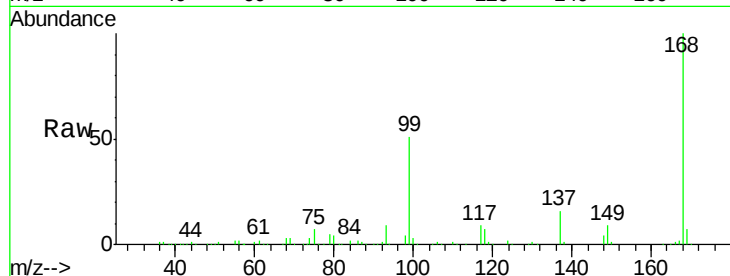
STORAGEBLANK-SAMPLEMANAG

Tot Ion:168 Resp: 263317

Ion Ratio Lower Upper

168 100

99 51.1 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

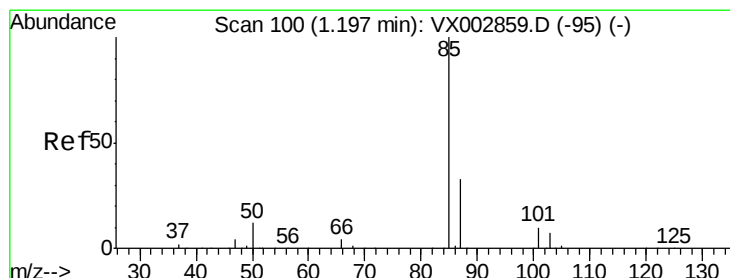
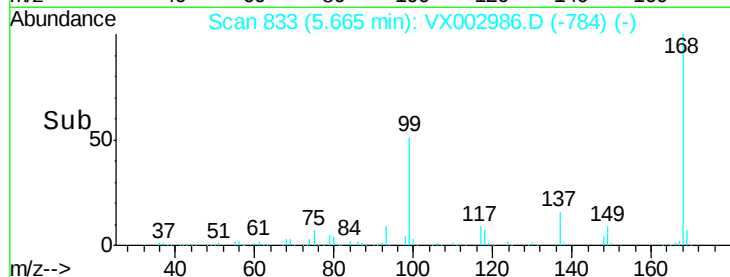
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.20 min Scan# 101

Delta R.T. 0.01 min

Lab File: VX002986.D

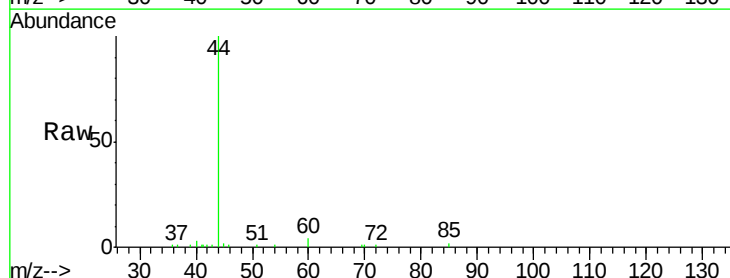
Acq: 28 Jun 2018 15:41

Tgt Ion: 85 Resp: 144

Ion Ratio Lower Upper

85 100

87 0.0 16.0 47.9#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

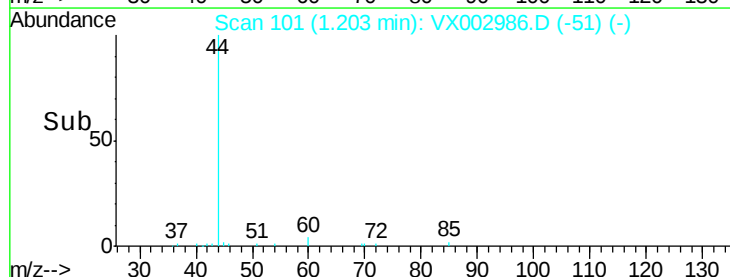
150

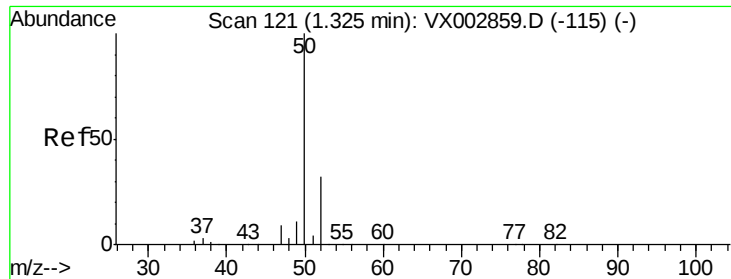
100

50

0

Time--> 1.16 1.18 1.20 1.22





#3

Chloromethane

Concen: Below Cal

RT: 1.33 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX002986.D

Acq: 28 Jun 2018 15:41

Instrument :

MSVOA_X

ClientSampleId :

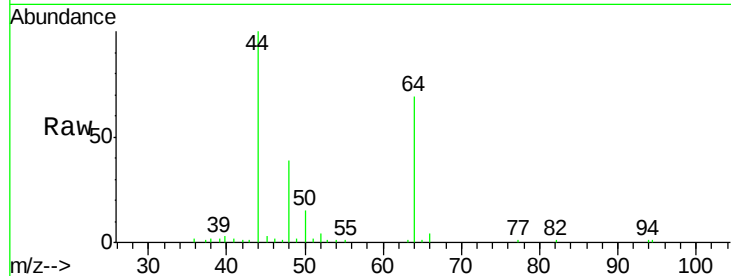
STORAGEBLANK-SAMPLEMANAG

Tot Ion: 50 Resp: 1392

Ion Ratio Lower Upper

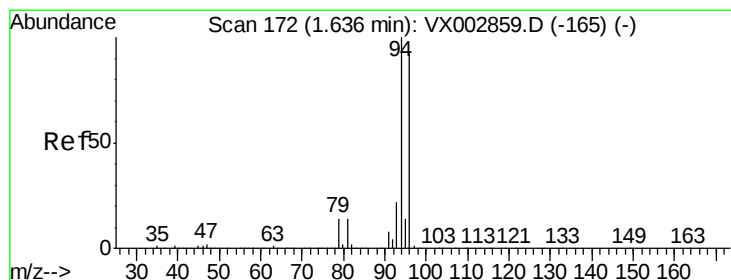
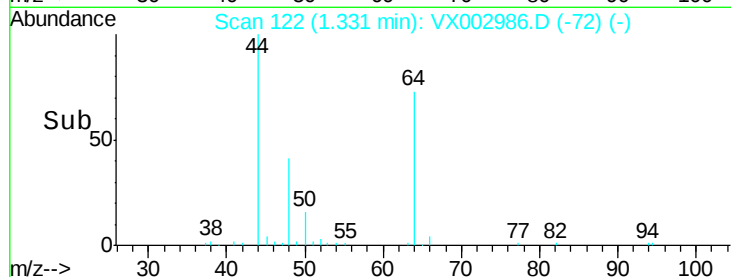
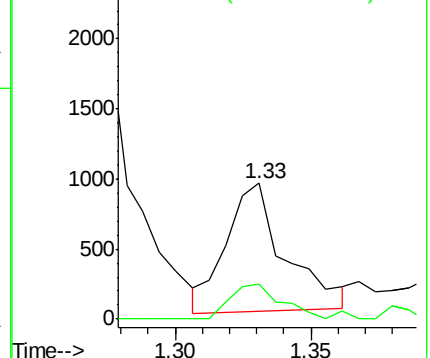
50 100

52 33.4 25.7 38.5



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: 1.65 min Scan# 175

Delta R.T. 0.02 min

Lab File: VX002986.D

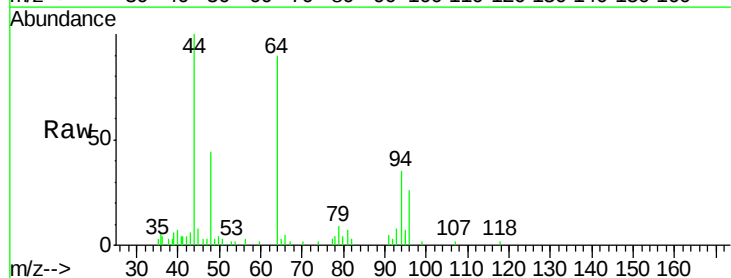
Acq: 28 Jun 2018 15:41

Tgt Ion: 94 Resp: 2163

Ion Ratio Lower Upper

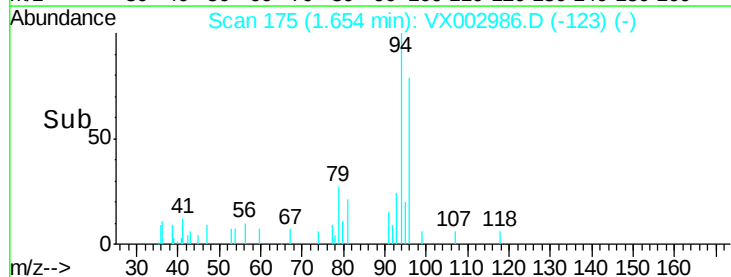
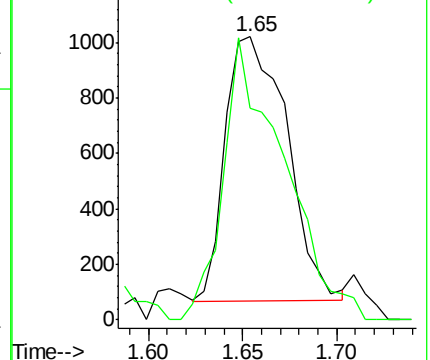
94 100

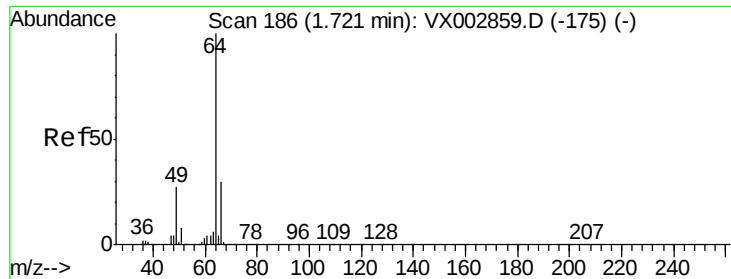
96 74.3 74.9 112.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: Below Cal

RT: 1.78 min Scan# 196

Delta R.T. 0.06 min

Lab File: VX002986.D

Acq: 28 Jun 2018 15:41

Instrument :

MSVOA_X

ClientSampleId :

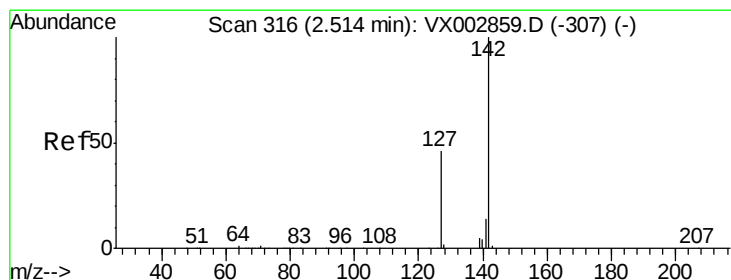
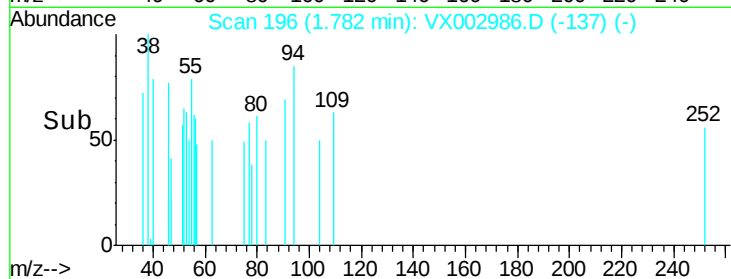
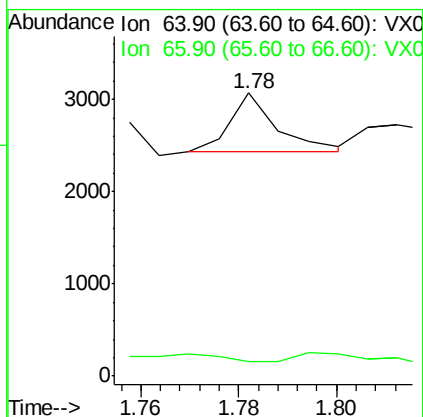
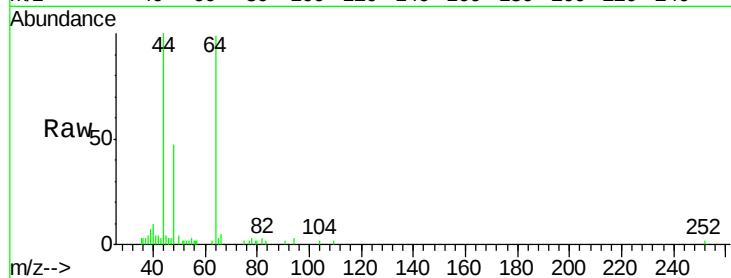
STORAGEBLANK-SAMPLEMANAG

Tot Ion: 64 Resp: 420

Ion Ratio Lower Upper

64 100

66 0.0 25.5 38.3#



#10

Methyl Iodide

Concen: 7.10 ug/l

RT: 2.51 min Scan# 316

Delta R.T. 0.00 min

Lab File: VX002986.D

Acq: 28 Jun 2018 15:41

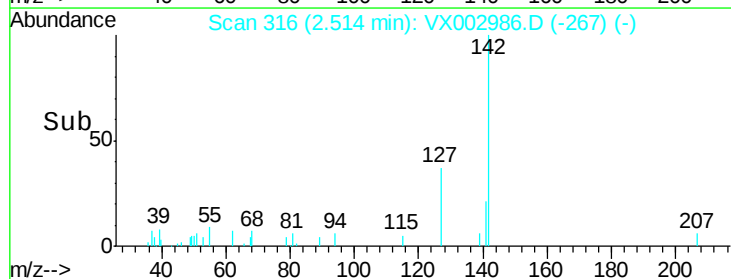
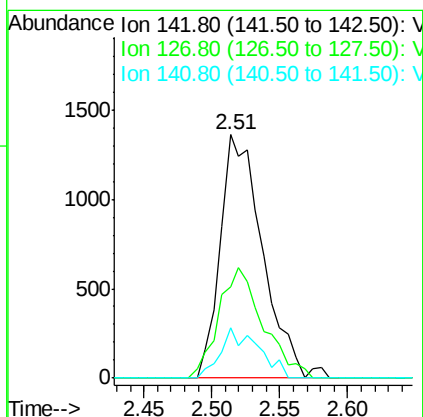
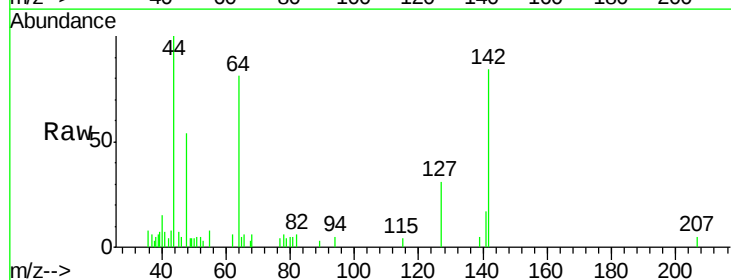
Tgt Ion:142 Resp: 2950

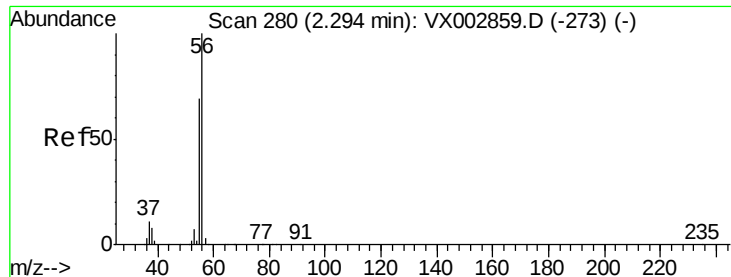
Ion Ratio Lower Upper

142 100

127 47.7 36.6 55.0

141 18.4 11.3 16.9#





#13

Acrolein

Concen: 4.65 ug/l

RT: 2.31 min Scan# 282

Delta R.T. 0.01 min

Lab File: VX002986.D

Acq: 28 Jun 2018 15:41

Instrument :

MSVOA_X

ClientSampleId :

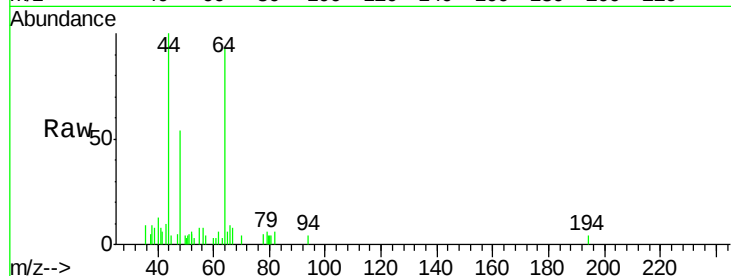
STORAGEBLANK-SAMPLEMANAG

Tot Ion: 56 Resp: 174

Ion Ratio Lower Upper

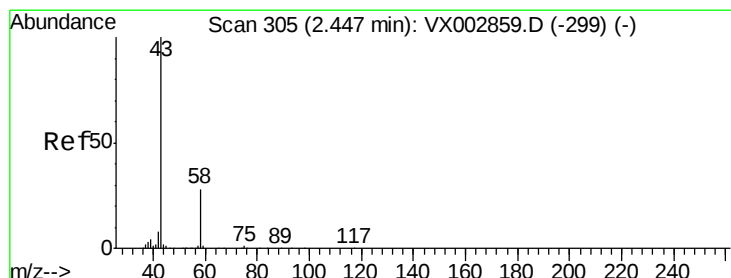
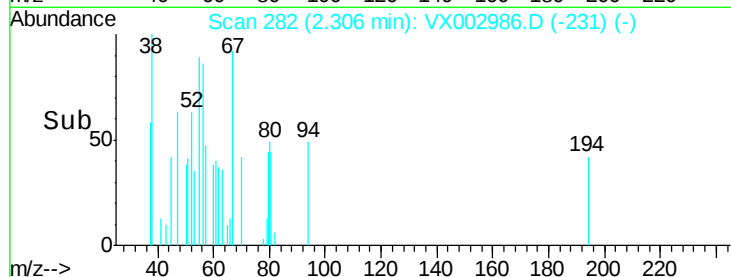
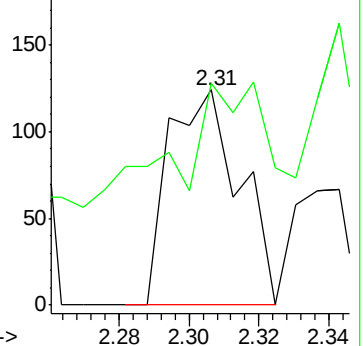
56 100

55 71.8 57.0 85.4



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 3.52 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.00 min

Lab File: VX002986.D

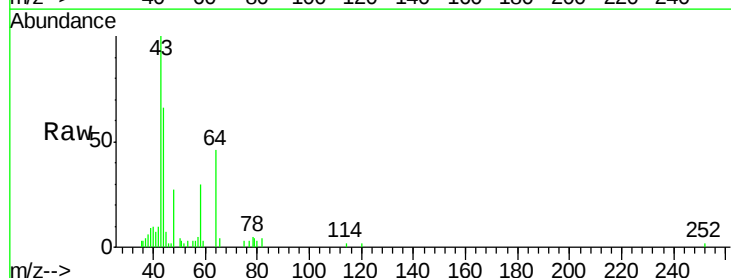
Acq: 28 Jun 2018 15:41

Tgt Ion: 43 Resp: 5313

Ion Ratio Lower Upper

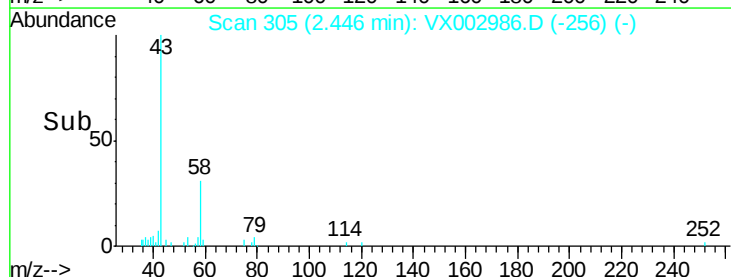
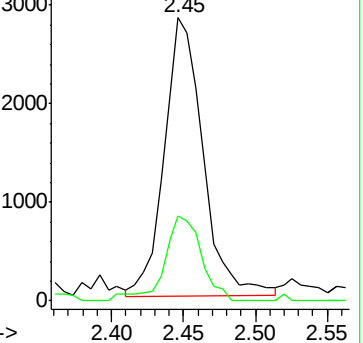
43 100

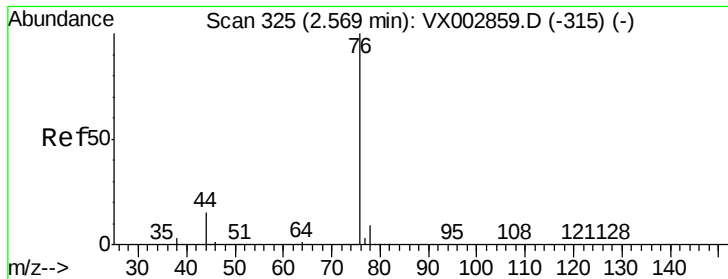
58 31.0 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

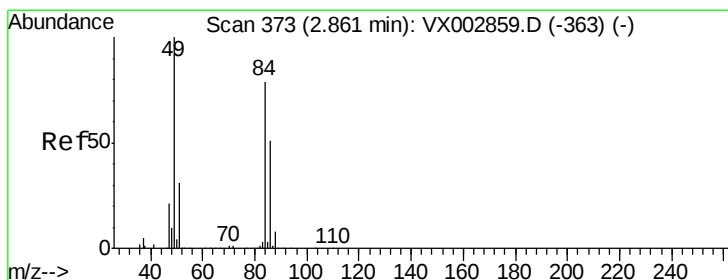
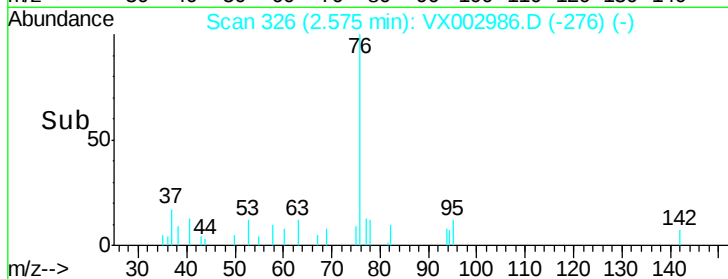
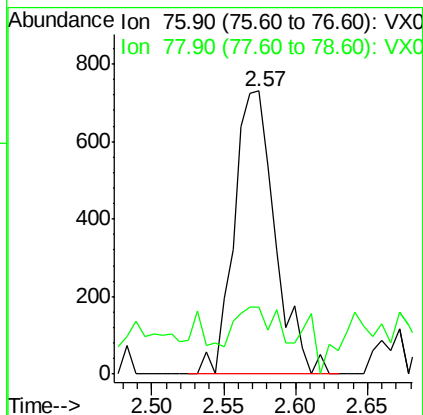
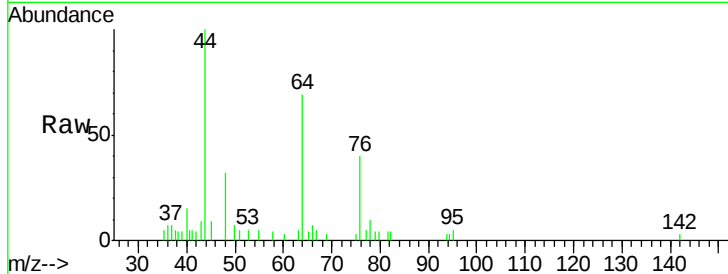




#17
Carbon Disulfide
Concen: 0.21 ug/l
RT: 2.57 min Scan# 326
Delta R.T. 0.01 min
Lab File: VX002986.D
Acq: 28 Jun 2018 15:41

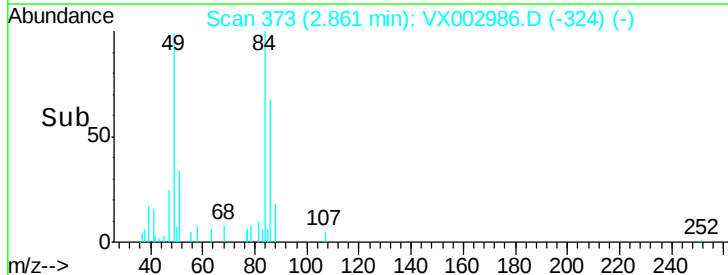
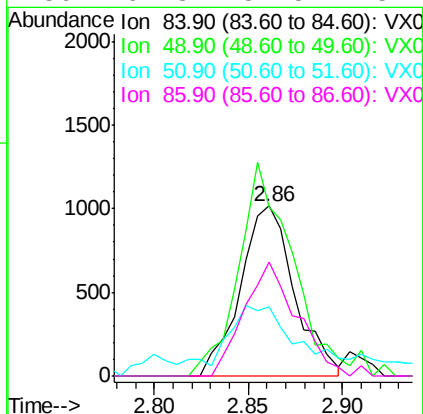
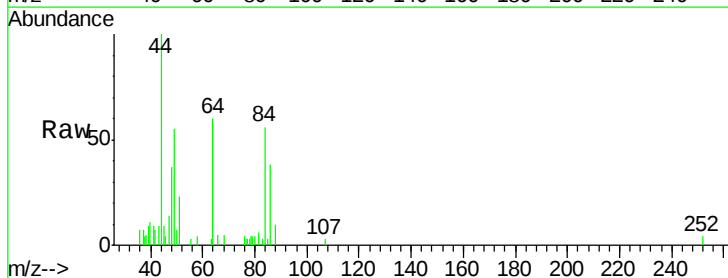
Instrument :
MSVOA_X
ClientSampleId :
STORAGEBLANK-SAMPLEMANAG

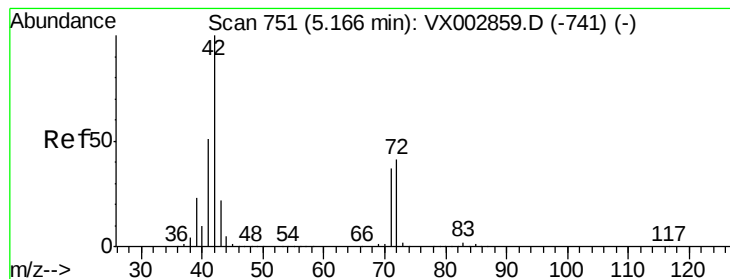
Tot Ion: 76 Resp: 1439
Ion Ratio Lower Upper
76 100
78 15.1 6.9 10.3#



#20
Methylene Chloride
Concen: 0.69 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.00 min
Lab File: VX002986.D
Acq: 28 Jun 2018 15:41

Tgt Ion: 84 Resp: 2023
Ion Ratio Lower Upper
84 100
49 99.3 107.8 161.6#
51 31.1 32.8 49.2#
86 67.3 52.5 78.7





#29

Tetrahydrofuran

Concen: 0.59 ug/l

RT: 5.20 min Scan# 756

Delta R.T. 0.03 min

Lab File: VX002986.D

Acq: 28 Jun 2018 15:41

Instrument :

MSVOA_X

ClientSampleId :

STORAGEBLANK-SAMPLEMANAG

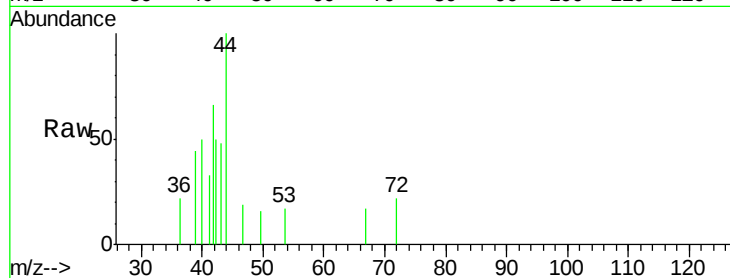
Tot Ion: 42 Resp: 841

Ion Ratio Lower Upper

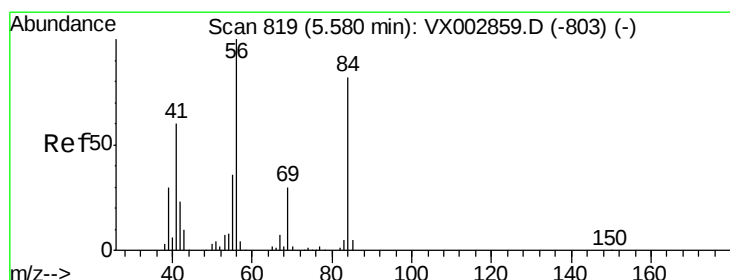
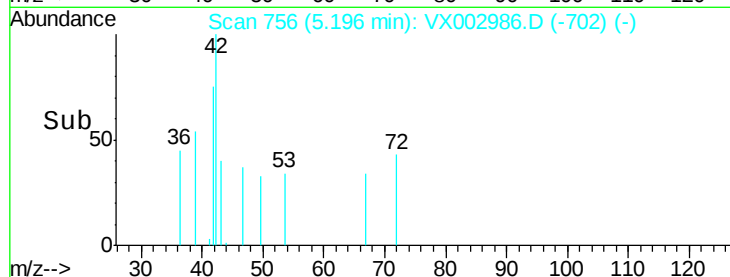
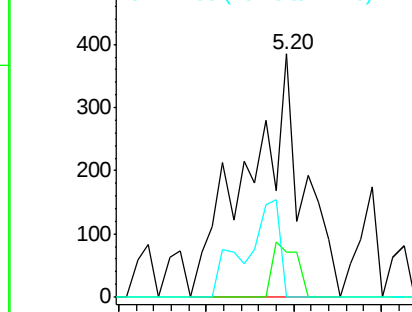
42 100

72 10.0 32.0 48.0#

71 25.0 30.1 45.1#



Abundance Ion 42.00 (41.70 to 42.70): VX0
Ion 72.00 (71.70 to 72.70): VX0
Ion 71.00 (70.70 to 71.70): VX0



#31

Cyclohexane

Concen: 1.12 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.09 min

Lab File: VX002986.D

Acq: 28 Jun 2018 15:41

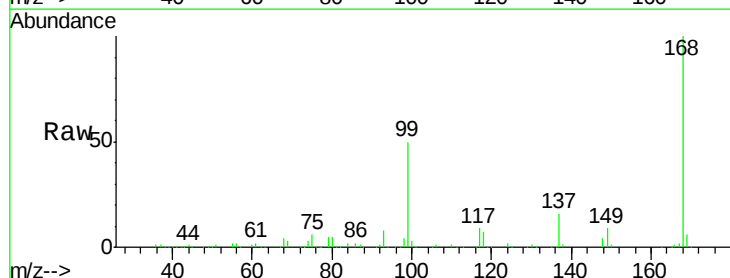
Tgt Ion: 56 Resp: 5092

Ion Ratio Lower Upper

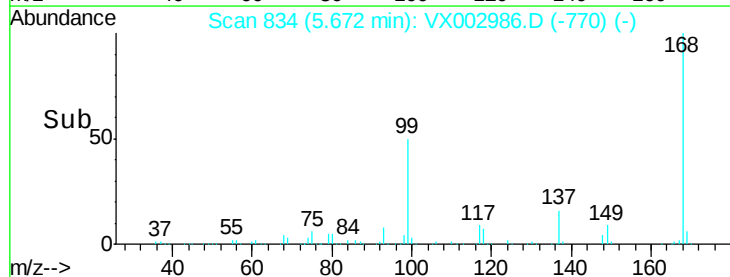
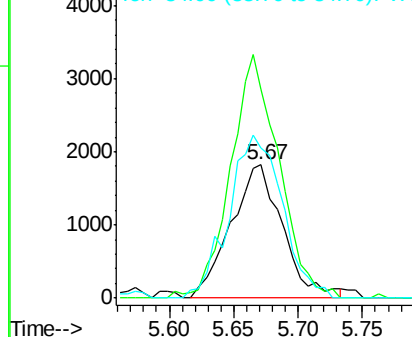
56 100

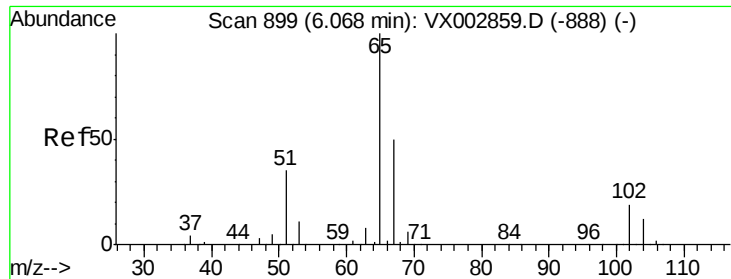
69 157.1 23.7 35.5#

84 113.1 64.1 96.1#



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: 47.98 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.01 min

Lab File: VX002986.D

Acq: 28 Jun 2018 15:41

Instrument :

MSVOA_X

ClientSampleId :

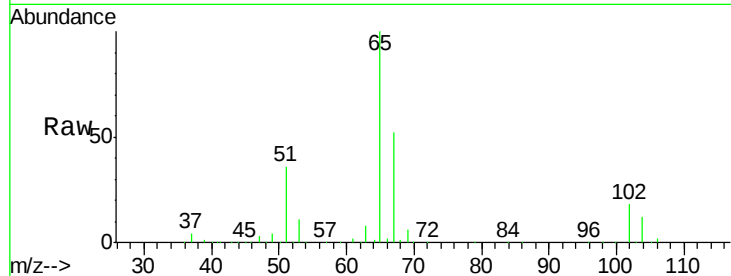
STORAGEBLANK-SAMPLEMANAG

Tot Ion: 65 Resp: 174625

Ion Ratio Lower Upper

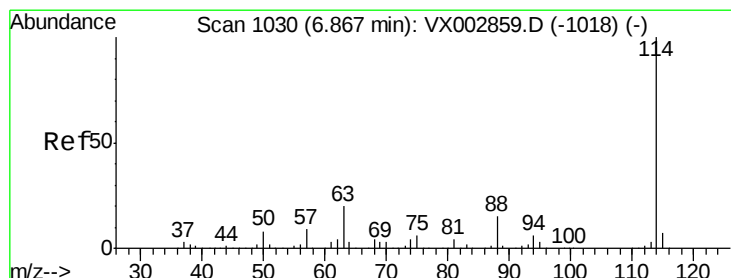
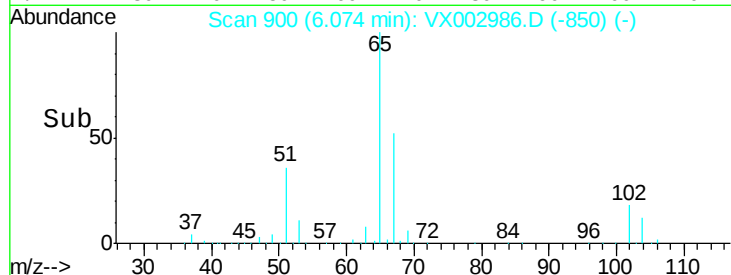
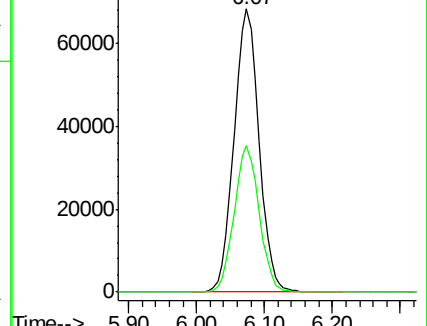
65 100

67 51.6 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. -0.00 min

Lab File: VX002986.D

Acq: 28 Jun 2018 15:41

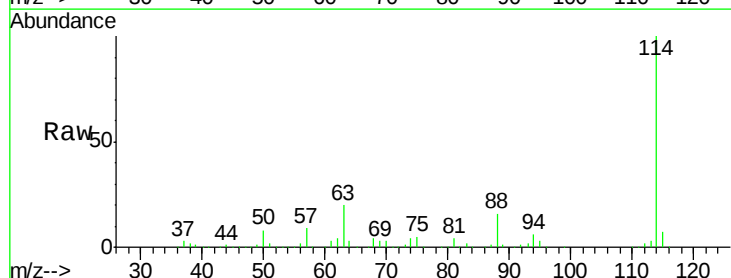
Tgt Ion: 114 Resp: 370361

Ion Ratio Lower Upper

114 100

63 20.5 0.0 41.4

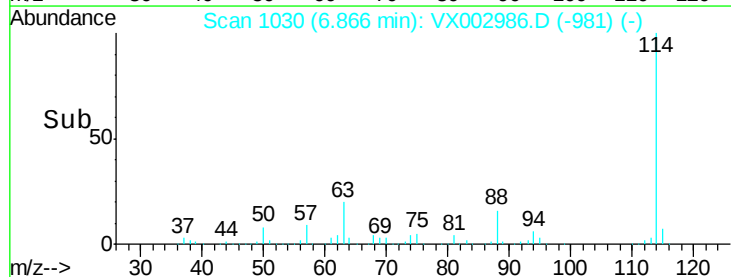
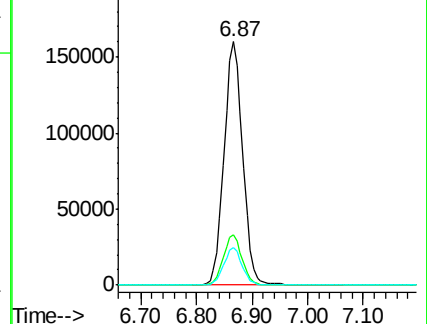
88 15.6 0.0 30.0

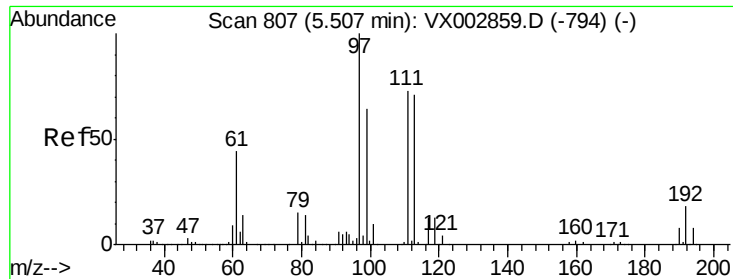


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

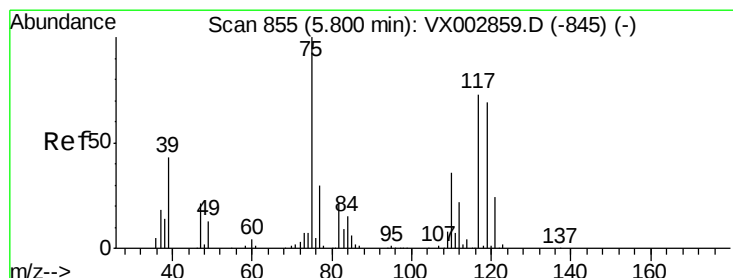
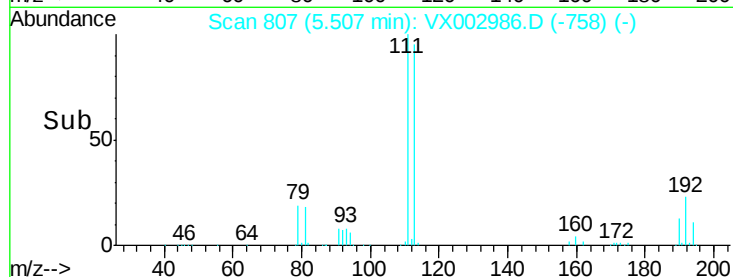
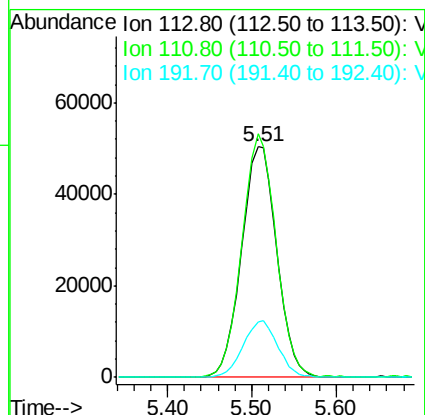
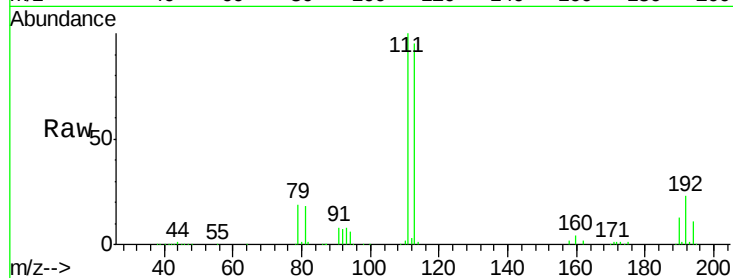




#35
 Dibromofluoromethane
 Concen: 48.59 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. -0.00 min
 Lab File: VX002986.D
 Acq: 28 Jun 2018 15:41

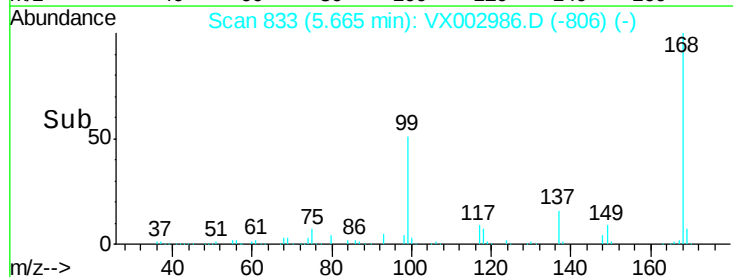
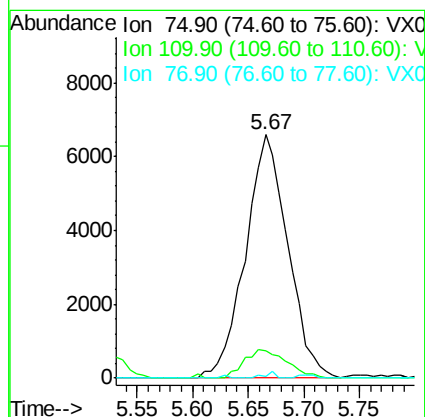
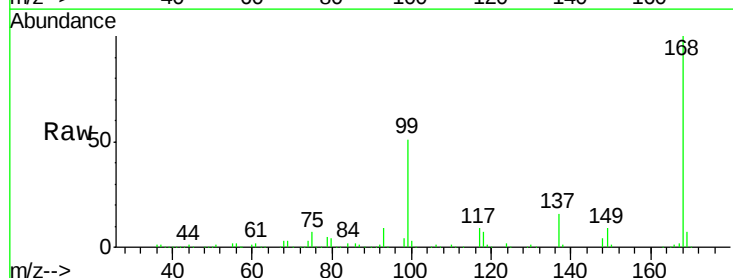
Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGEBLANK-SAMPLEMANAG

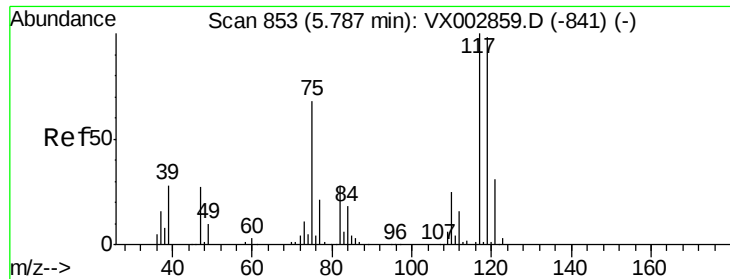
Tot Ion:113 Resp: 142521
 Ion Ratio Lower Upper
 113 100
 111 102.6 81.4 122.0
 192 24.3 19.1 28.7



#36
 1,1-Dichloropropene
 Concen: 4.30 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.13 min
 Lab File: VX002986.D
 Acq: 28 Jun 2018 15:41

Tgt Ion: 75 Resp: 17484
 Ion Ratio Lower Upper
 75 100
 110 11.8 18.1 54.4#
 77 0.6 24.3 36.5#





#38

Carbon Tetrachloride

Concen: 5.48 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX002986.D

Acq: 28 Jun 2018 15:41

Instrument :

MSVOA_X

ClientSampleId :

STORAGEBLANK-SAMPLEMANAG

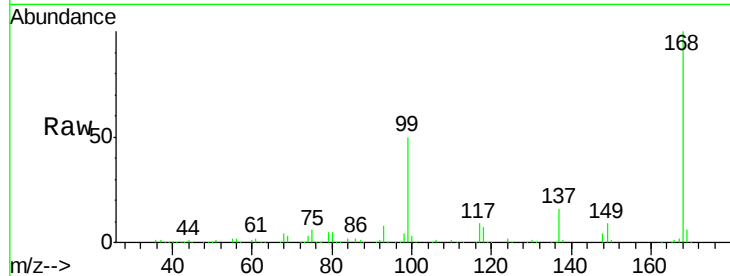
Tot Ion:117 Resp: 24440

Ion Ratio Lower Upper

117 100

119 5.2 77.4 116.0#

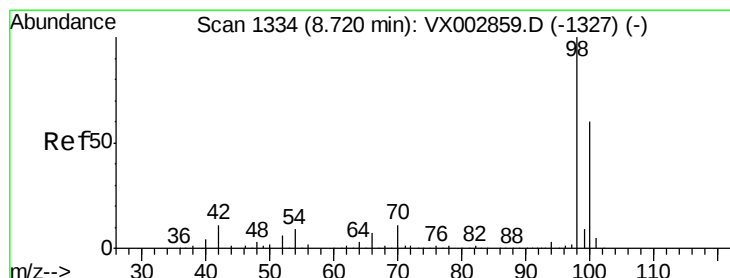
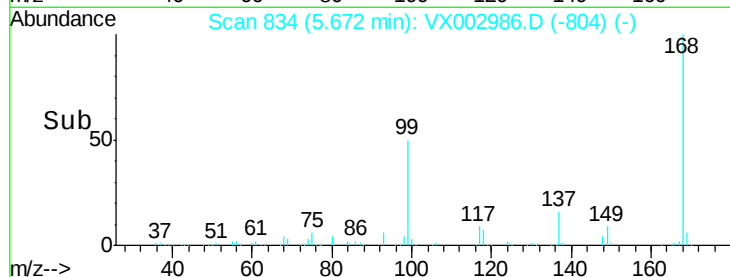
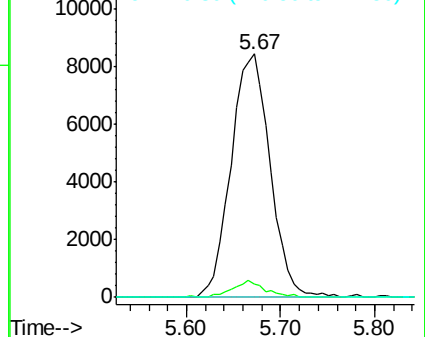
121 0.0 24.4 36.6#



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



#50

Toluene-d8

Concen: 48.38 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX002986.D

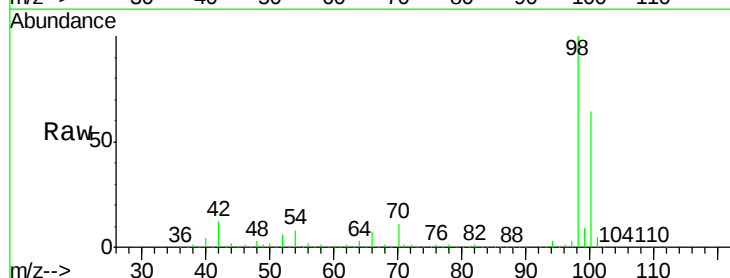
Acq: 28 Jun 2018 15:41

Tgt Ion: 98 Resp: 518154

Ion Ratio Lower Upper

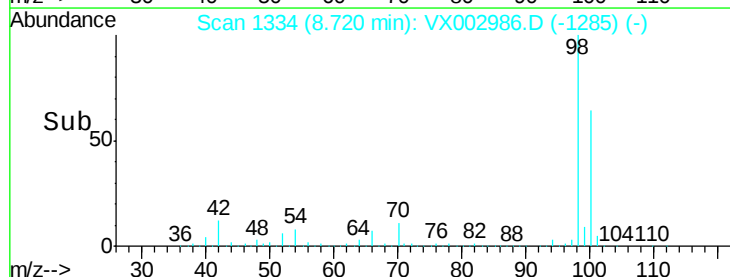
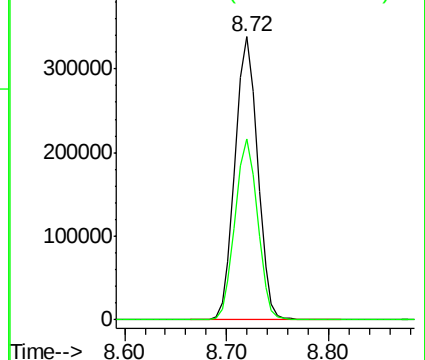
98 100

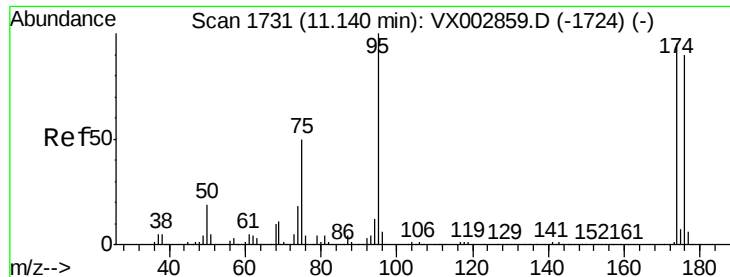
100 63.6 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

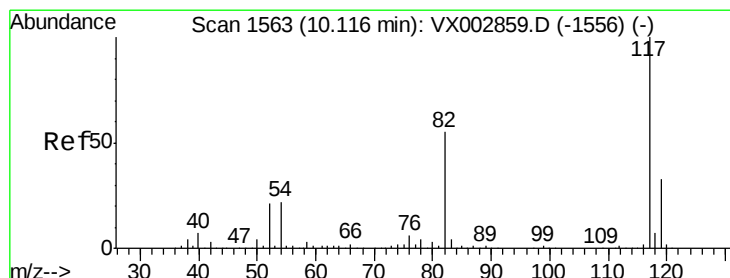
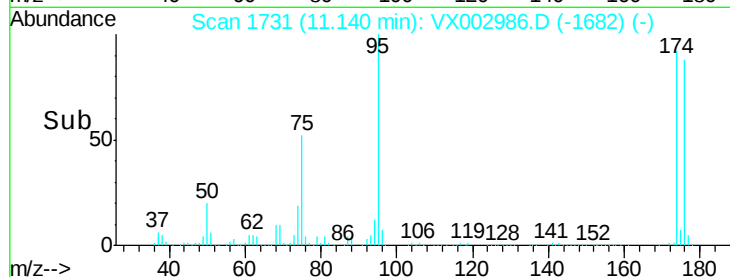
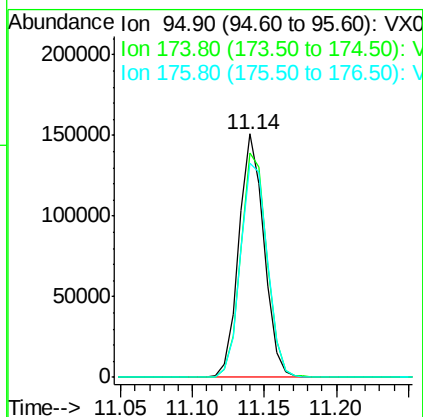
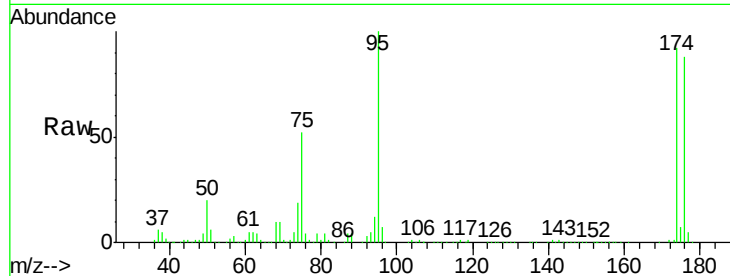




#62
4-Bromofluorobenzene
Concen: 44.27 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX002986.D
Acq: 28 Jun 2018 15:41

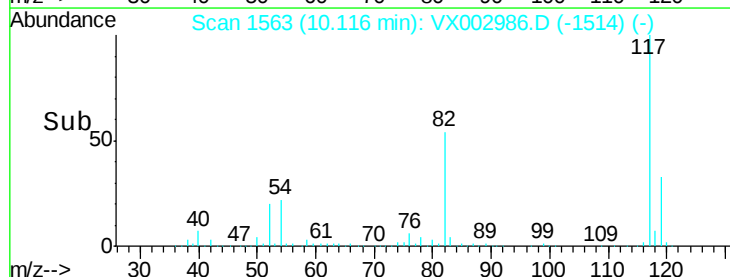
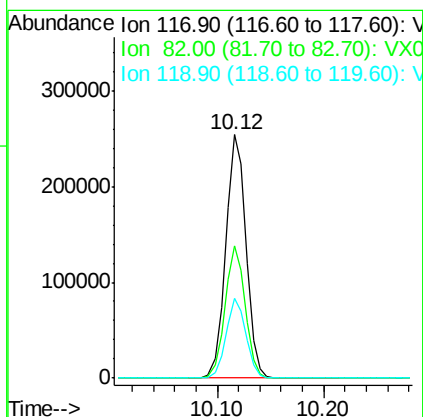
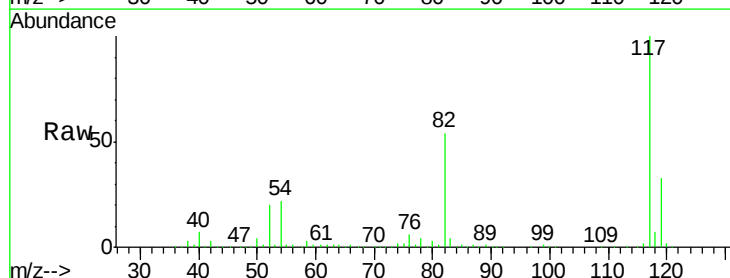
Instrument :
MSVOA_X
ClientSampleId :
STORAGEBLANK-SAMPLEMANAG

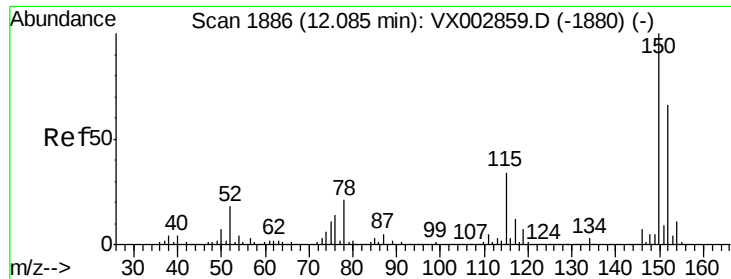
Tot Ion: 95 Resp: 182862
Ion Ratio Lower Upper
95 100
174 96.2 0.0 187.4
176 94.0 0.0 181.0



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002986.D
Acq: 28 Jun 2018 15:41

Tgt Ion: 117 Resp: 340792
Ion Ratio Lower Upper
117 100
82 54.5 45.0 67.4
119 32.6 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX002986.D

Acq: 28 Jun 2018 15:41

Instrument :

MSVOA_X

ClientSampleId :

STORAGE\BLANK-SAMPLE\MANAG

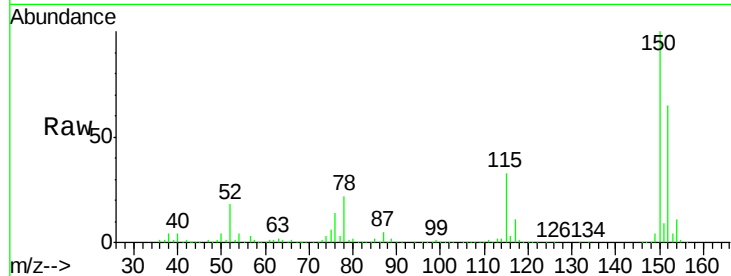
Tot Ion:152 Resp: 192024

Ion Ratio Lower Upper

152 100

115 54.1 40.1 120.2

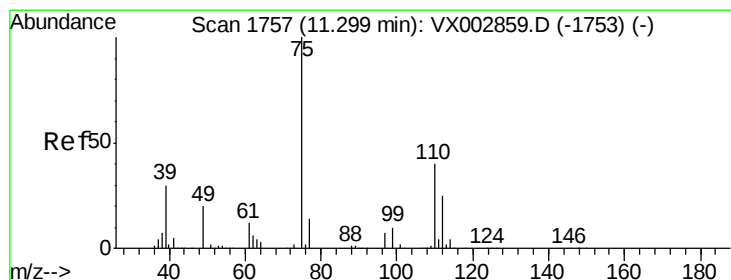
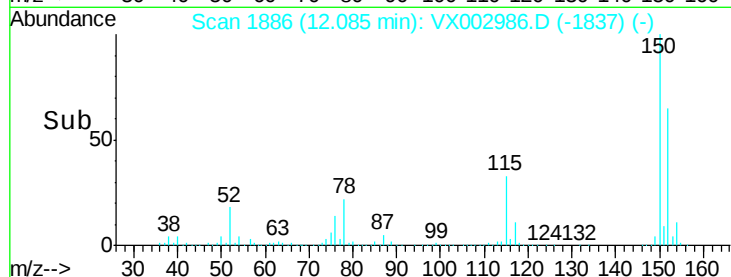
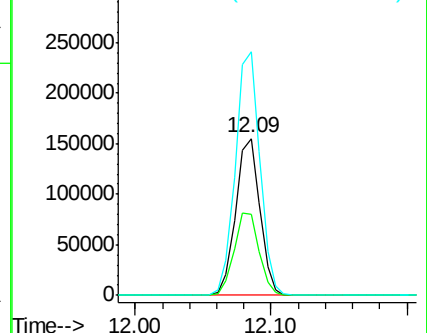
150 157.4 0.0 347.2



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: 27.42 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX002986.D

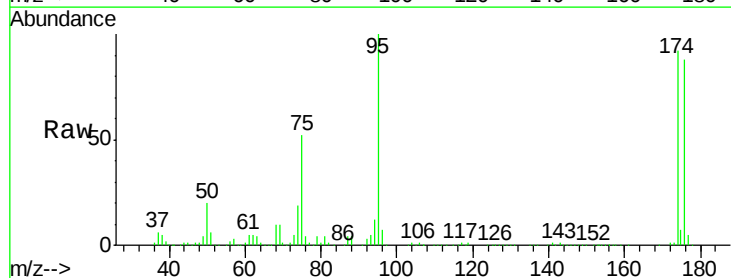
Acq: 28 Jun 2018 15:41

Tgt Ion: 75 Resp: 95371

Ion Ratio Lower Upper

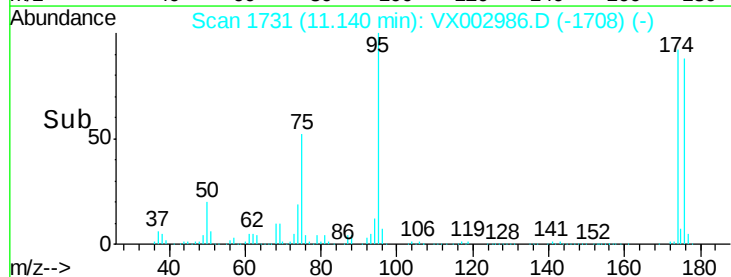
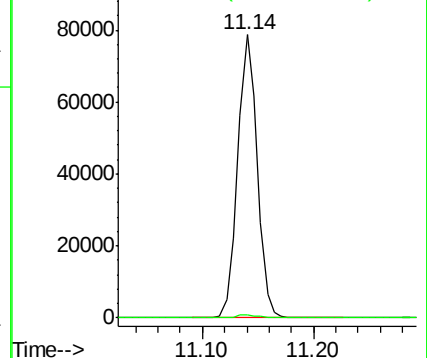
75 100

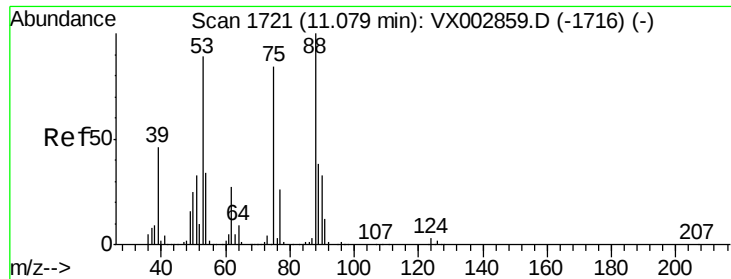
77 1.3 22.8 68.3#



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: 77.57 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX002986.D
 Acq: 28 Jun 2018 15:41

Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGEBLANK-SAMPLEMANAG

Tot Ion: 75 Resp: 95371
 Ion Ratio Lower Upper
 75 100
 53 0.1 86.8 130.2#
 89 0.0 38.2 57.2#

