

Data File : VX001321.D
Acq On : 02 May 2018 17:07
Operator : JC/MD
Sample : J2628-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
STORAGEBLANK-WATERREF-4

Quant Time: May 03 05:04:21 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050118W.M
Quant Title : SW846 8260
QLast Update : Wed May 02 01:48:25 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	151416	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	201585	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	172341	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	84055	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.08	65	93489	44.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.20%	
35) Dibromofluoromethane	5.51	113	75906	43.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.42%	
50) Toluene-d8	8.72	98	276441	44.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.10%	
62) 4-Bromofluorobenzene	11.14	95	83248	33.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	67.10%	

Target Compounds				Qvalue		
5) Bromomethane	1.65	94	775	Below Cal		95
10) Methyl Iodide	2.53	142	1720	5.19 ug/l		99
11) Tert butyl alcohol	3.07	59	93	0.26 ug/l #		1
13) Acrolein	2.29	56	99	0.48 ug/l #		1
15) Acrylonitrile	3.15	53	457	0.55 ug/l #		62
16) Acetone	2.45	43	7924	8.86 ug/l		98
17) Carbon Disulfide	2.57	76	972	0.25 ug/l #		93
18) Methyl Acetate	2.78	43	632	0.30 ug/l #		88
20) Methylene Chloride	2.86	84	1076	Below Cal #		91
25) 2-Butanone	4.73	43	679	0.56 ug/l #		45
29) Tetrahydrofuran	5.20	42	640	0.86 ug/l #		44
31) Cyclohexane	5.67	56	3018	1.17 ug/l #		8
38) Carbon Tetrachloride	5.67	117	13259	5.44 ug/l #		17
76) 1,2,3-Trichloropropane	11.14	75	42662	27.45 ug/l #		39
81) trans-1,4-Dichloro-2-buten	11.14	75	42662	85.93 ug/l #		6

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

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Instrument :

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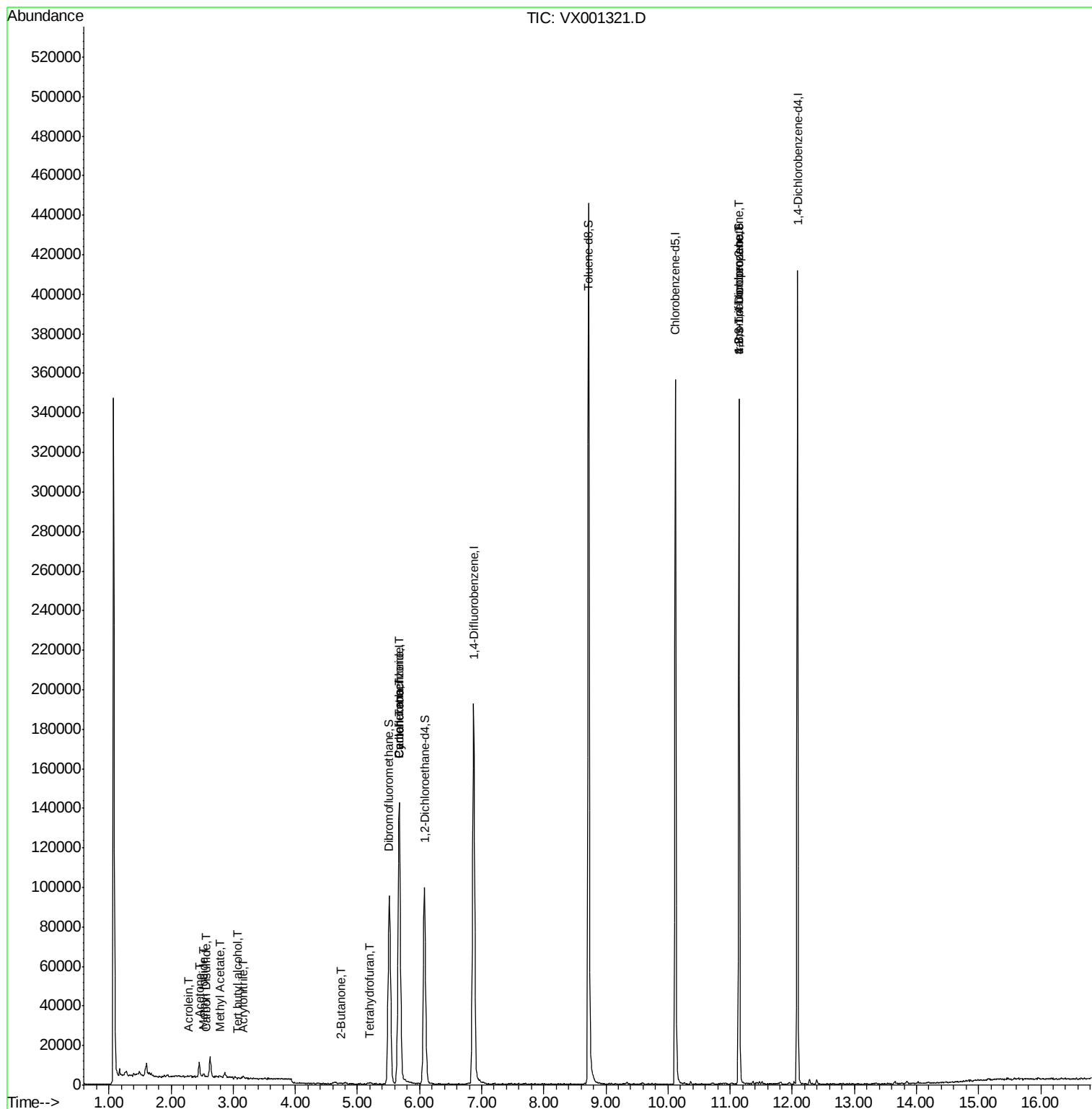
Quant Time: May 03 05:04:21 2018

Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050118W.M

Quant Title : SW846 8260

QLast Update : Wed May 02 01:48:25 2018

Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX001321.D

Acq: 02 May 2018 17:07

Instrument :

MSVOA_X

ClientSampleId :

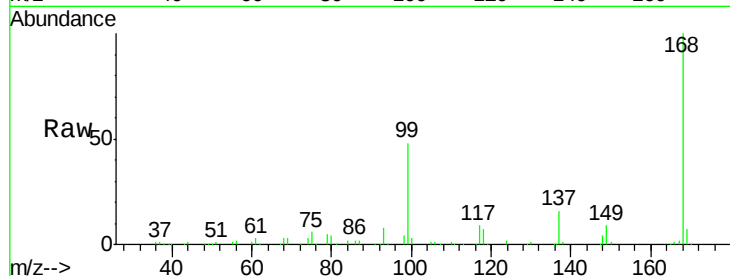
STORAGEBLANK-WATERREF-4

Tgt Ion: 168 Resp: 151416

Ion Ratio Lower Upper

168 100

99 47.7 36.5 54.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

60000

50000

40000

30000

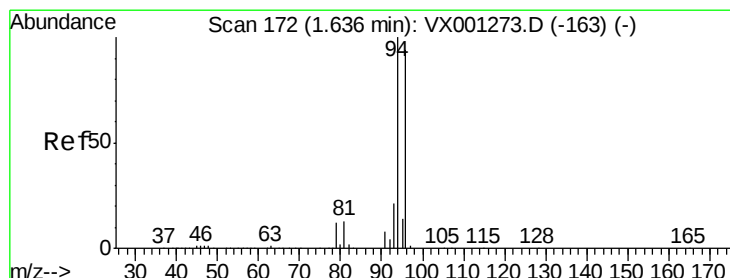
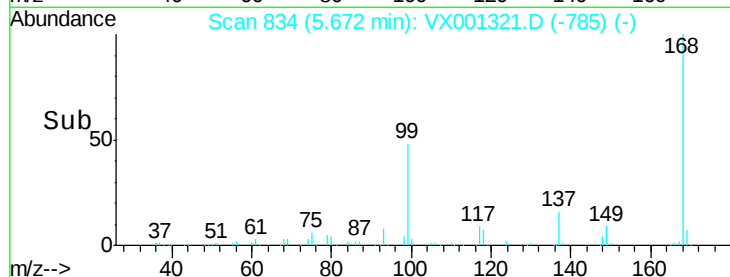
20000

10000

0

Time-->

5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 175

Delta R.T. 0.02 min

Lab File: VX001321.D

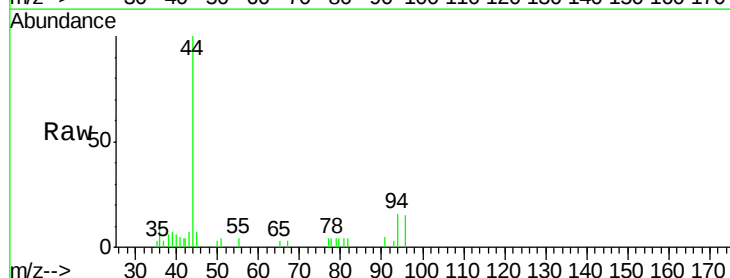
Acq: 02 May 2018 17:07

Tgt Ion: 94 Resp: 775

Ion Ratio Lower Upper

94 100

96 89.4 75.6 113.4



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

400

300

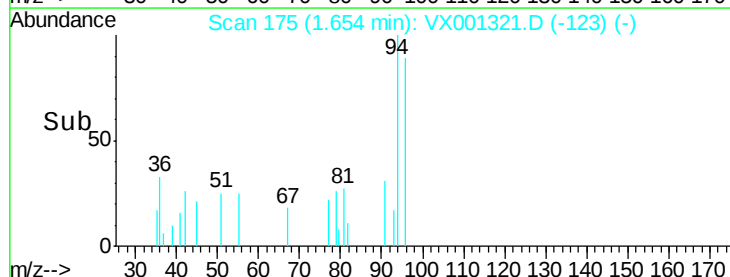
200

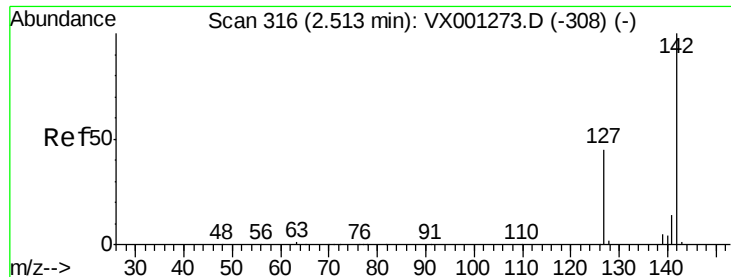
100

0

Time-->

1.60 1.65 1.70

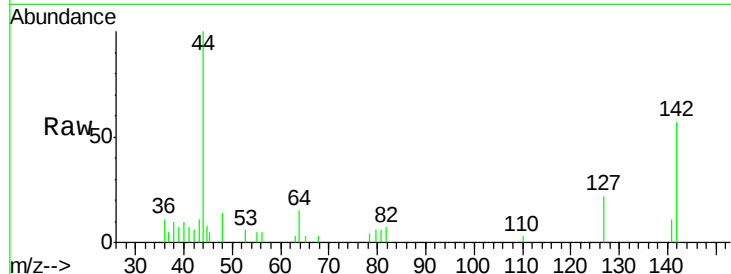




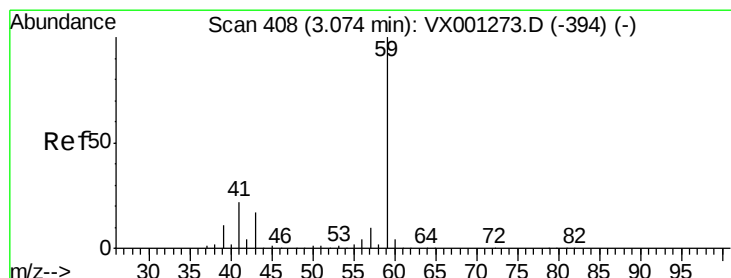
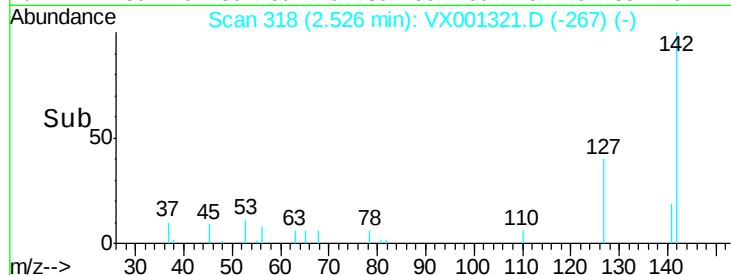
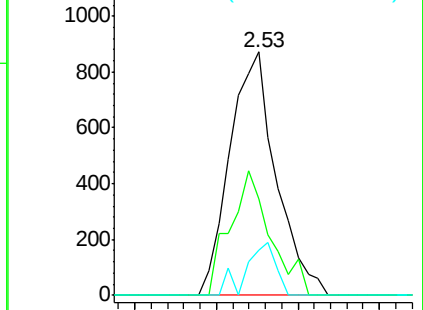
#10
Methyl Iodide
Concen: 5.19 ug/l
RT: 2.53 min Scan# 318
Delta R.T. 0.01 min
Lab File: VX001321.D
Acq: 02 May 2018 17:07

Instrument :
MSVOA_X
ClientSampleId :
STORAGEBLANK-WATERREF-4

Tgt Ion: 142 Resp: 1720
Ion Ratio Lower Upper
142 100
127 45.0 35.7 53.5
141 14.0 11.4 17.0

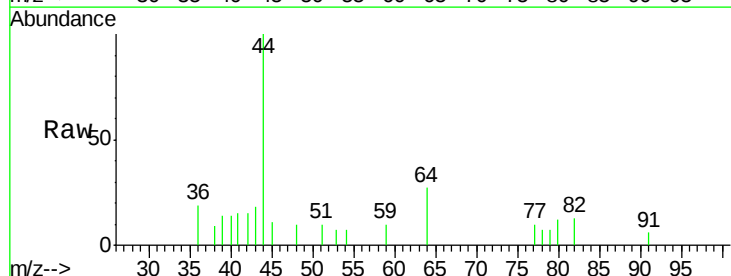


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

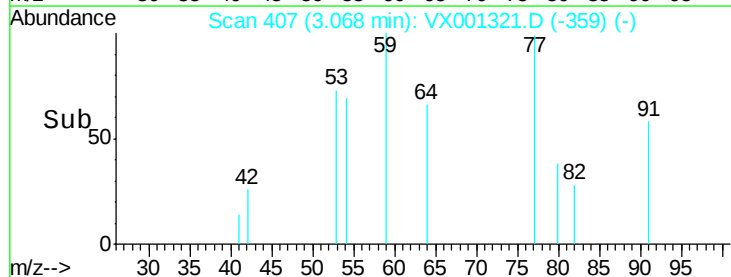
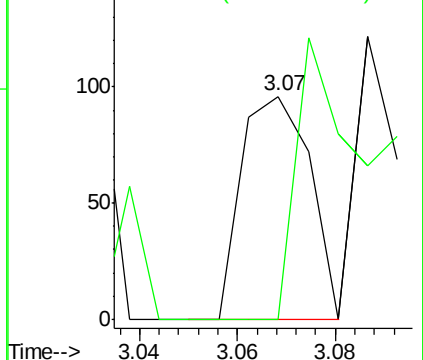


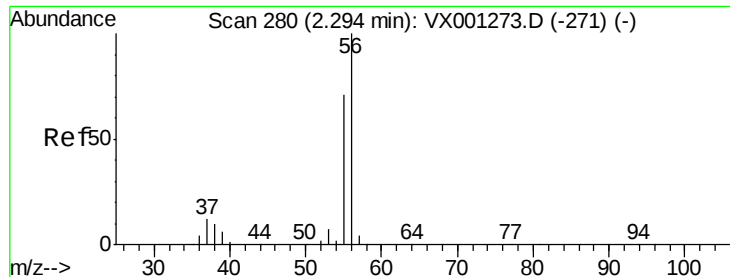
#11
Tert butyl alcohol
Concen: 0.26 ug/l
RT: 3.07 min Scan# 407
Delta R.T. -0.01 min
Lab File: VX001321.D
Acq: 02 May 2018 17:07

Tgt Ion: 59 Resp: 93
Ion Ratio Lower Upper
59 100
57 163.4 8.6 12.8#



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.48 ug/l

RT: 2.29 min Scan# 279

Delta R.T. -0.01 min

Lab File: VX001321.D

Acq: 02 May 2018 17:07

Instrument :

MSVOA_X

ClientSampleId :

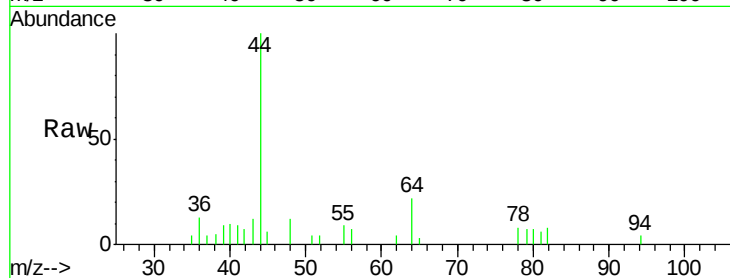
STORAGEBLANK-WATERREF-4

Tgt Ion: 56 Resp: 99

Ion Ratio Lower Upper

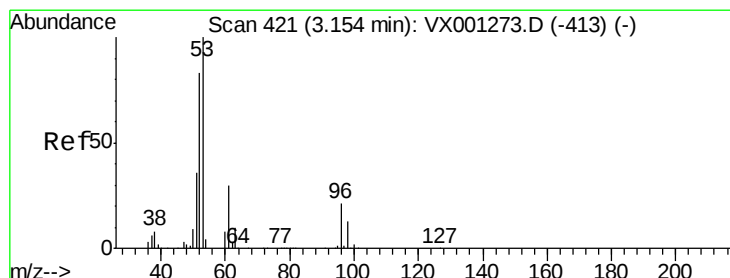
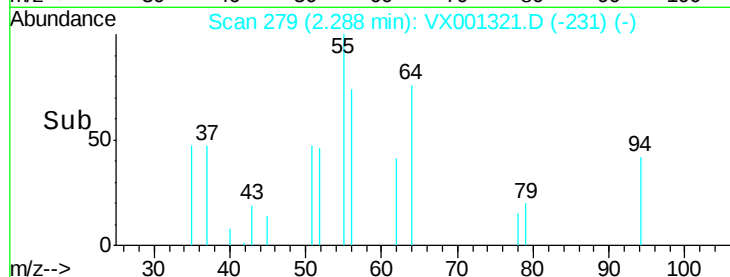
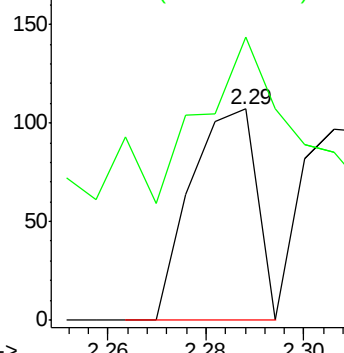
56 100

55 393.9 57.2 85.8#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#15

Acrylonitrile

Concen: 0.55 ug/l

RT: 3.15 min Scan# 420

Delta R.T. -0.01 min

Lab File: VX001321.D

Acq: 02 May 2018 17:07

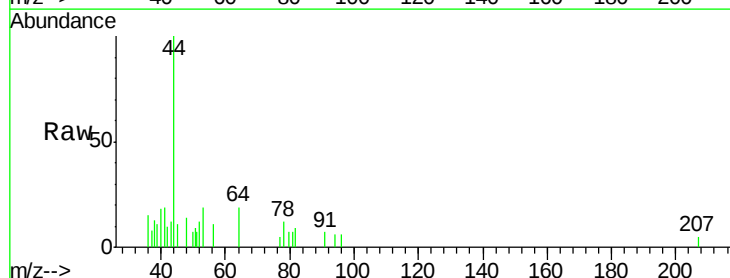
Tgt Ion: 53 Resp: 457

Ion Ratio Lower Upper

53 100

52 105.9 67.0 100.4#

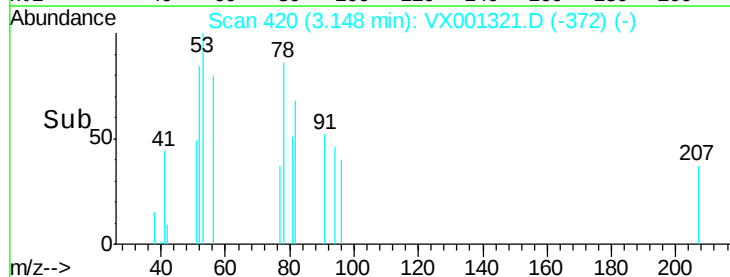
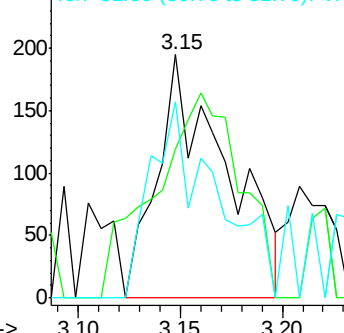
51 77.7 29.9 44.9#

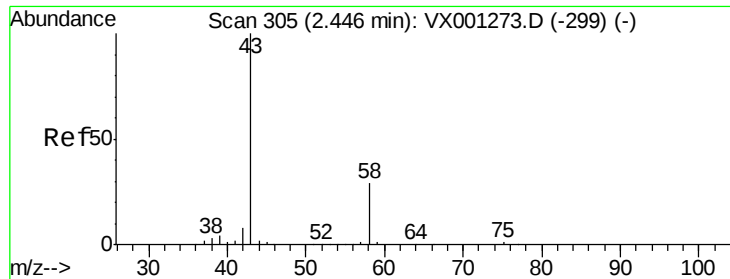


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0





#16

Acetone

Concen: 8.86 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX001321.D

Acq: 02 May 2018 17:07

Instrument :

MSVOA_X

ClientSampleId :

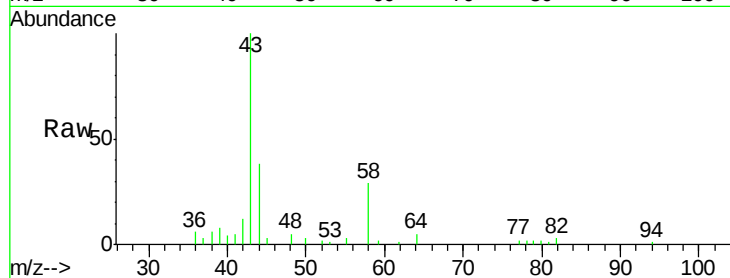
STORAGEBLANK-WATERREF-4

Tgt Ion: 43 Resp: 7924

Ion Ratio Lower Upper

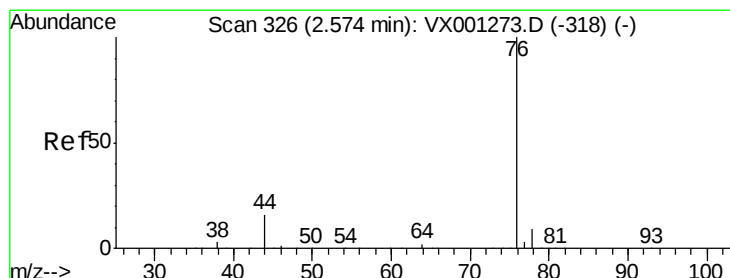
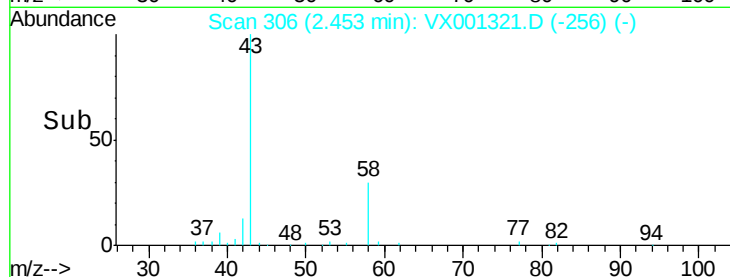
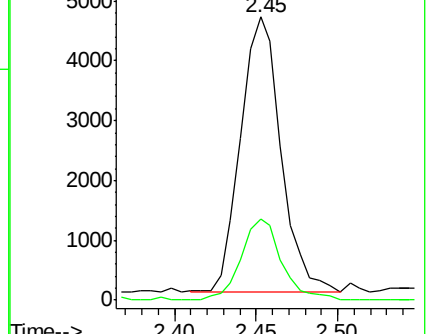
43 100

58 29.6 22.8 34.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 0.25 ug/l

RT: 2.57 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX001321.D

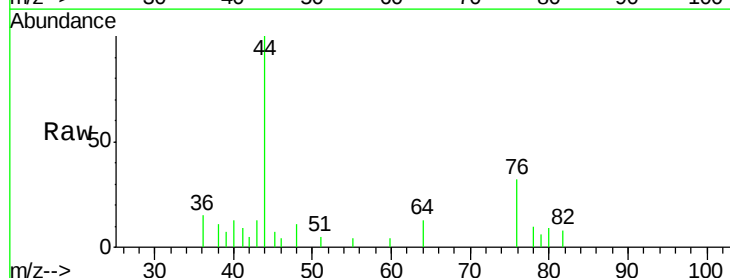
Acq: 02 May 2018 17:07

Tgt Ion: 76 Resp: 972

Ion Ratio Lower Upper

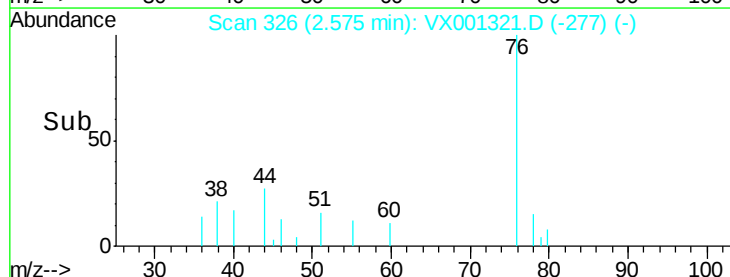
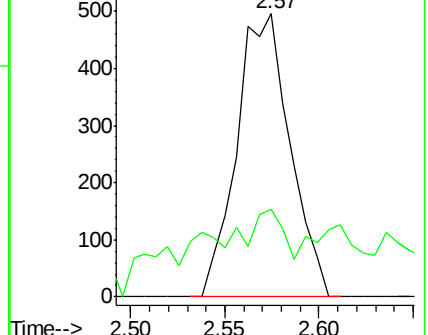
76 100

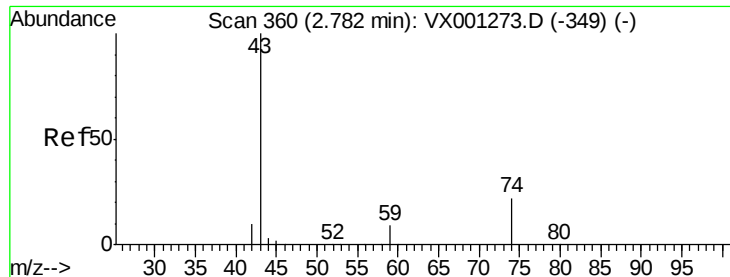
78 11.3 7.0 10.4#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0





#18

Methyl Acetate

Concen: 0.30 ug/l

RT: 2.78 min Scan# 360

Delta R.T. 0.00 min

Lab File: VX001321.D

Acq: 02 May 2018 17:07

Instrument :

MSVOA_X

ClientSampleId :

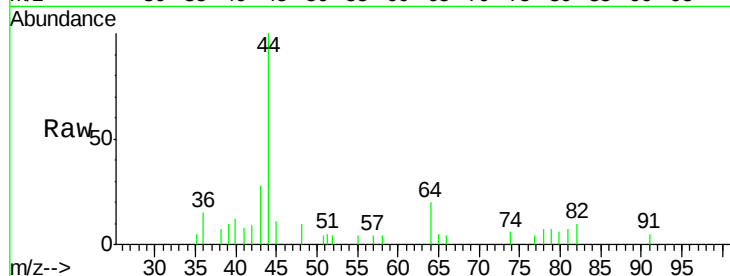
STORAGEBLANK-WATERREF-4

Tgt Ion: 43 Resp: 632

Ion Ratio Lower Upper

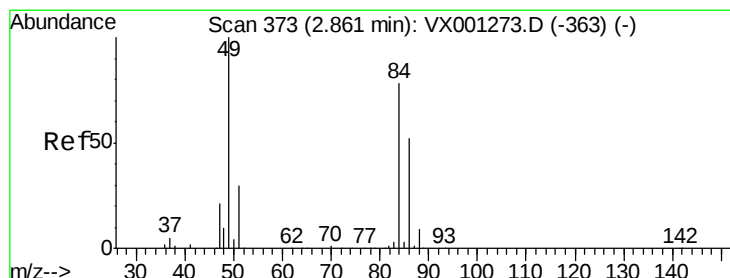
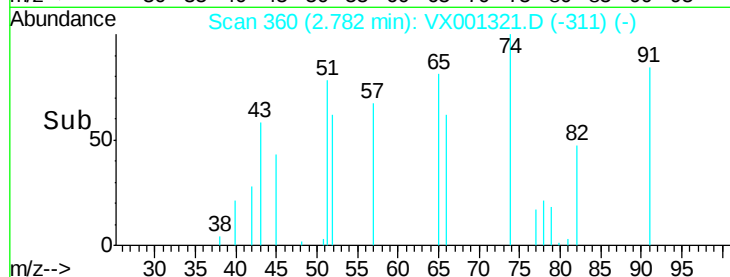
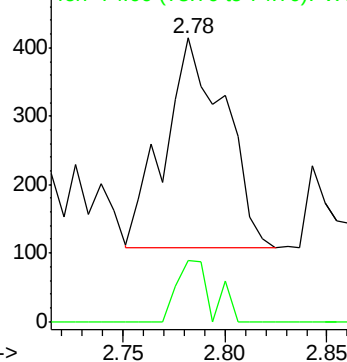
43 100

74 16.6 17.8 26.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



#20

Methylene Chloride

Concen: Below Cal

RT: 2.86 min Scan# 373

Delta R.T. 0.00 min

Lab File: VX001321.D

Acq: 02 May 2018 17:07

Tgt Ion: 84 Resp: 1076

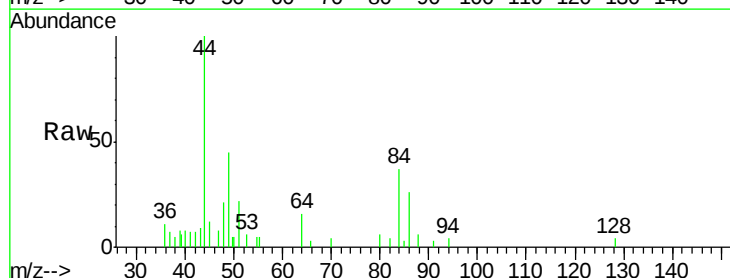
Ion Ratio Lower Upper

84 100

49 123.9 102.8 154.2

51 58.9 30.9 46.3#

86 71.0 53.0 79.4

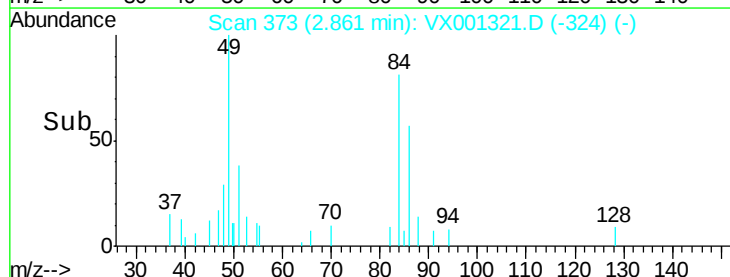
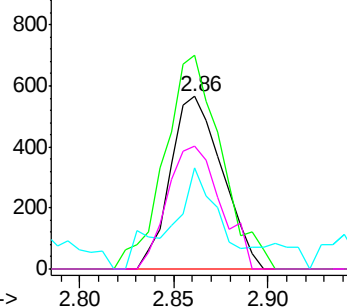


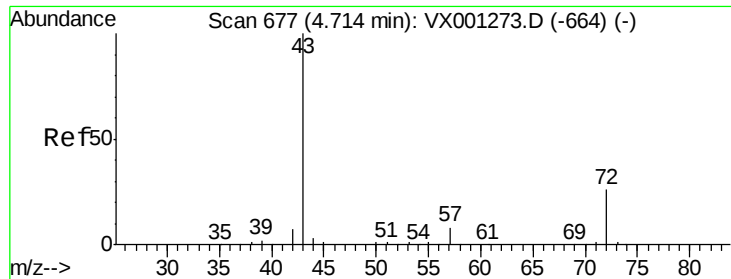
Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0





#25

2-Butanone

Concen: 0.56 ug/l

RT: 4.73 min Scan# 680

Delta R.T. 0.02 min

Lab File: VX001321.D

Acq: 02 May 2018 17:07

Instrument :

MSVOA_X

ClientSampleId :

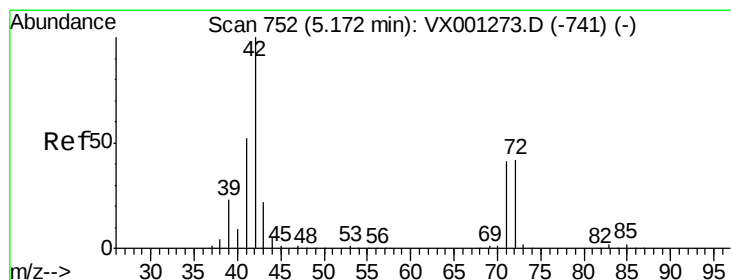
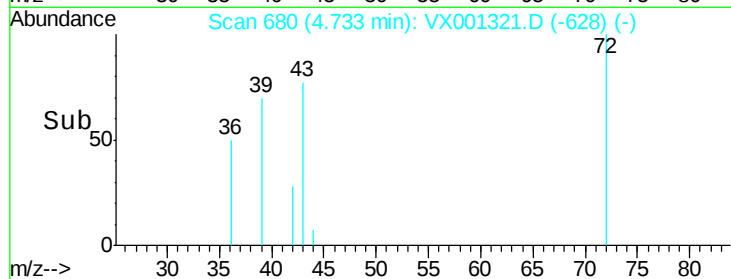
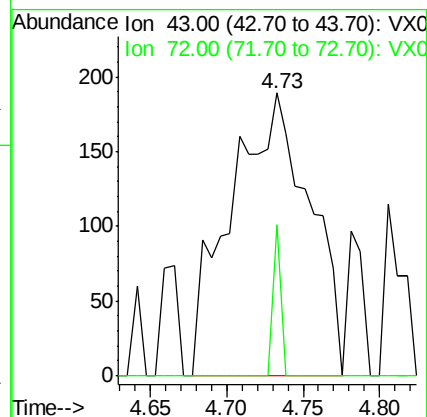
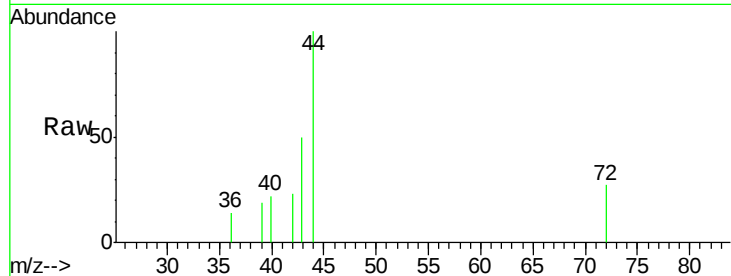
STORAGEBLANK-WATERREF-4

Tgt Ion: 43 Resp: 679

Ion Ratio Lower Upper

43 100

72 53.4 20.5 30.7#



#29

Tetrahydrofuran

Concen: 0.86 ug/l

RT: 5.20 min Scan# 756

Delta R.T. 0.02 min

Lab File: VX001321.D

Acq: 02 May 2018 17:07

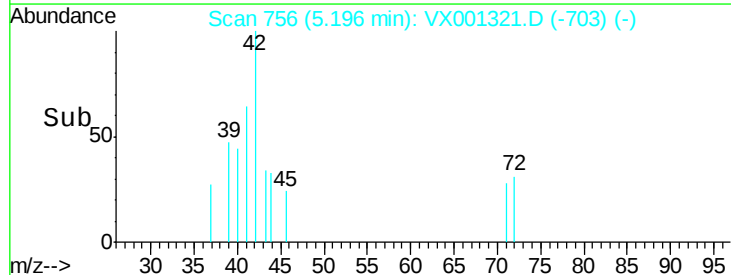
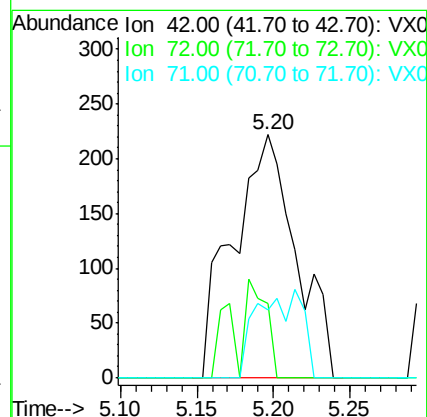
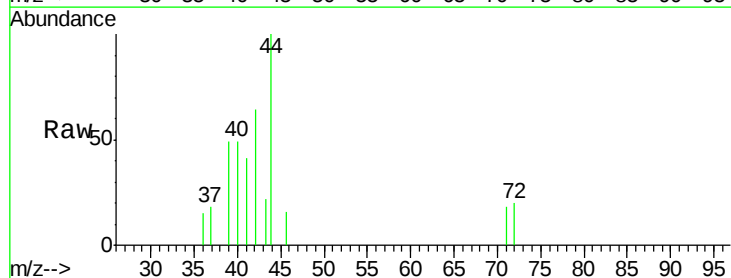
Tgt Ion: 42 Resp: 640

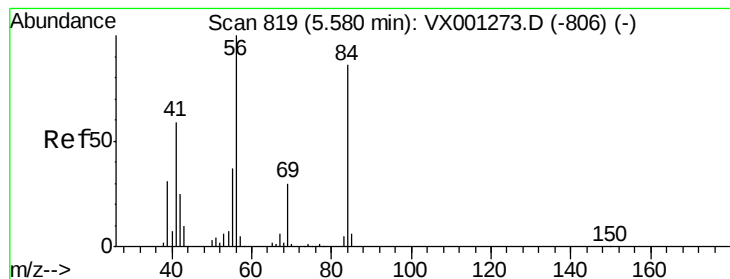
Ion Ratio Lower Upper

42 100

72 13.1 34.6 52.0#

71 0.0 32.7 49.1#





#31

Cyclohexane

Concen: 1.17 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.09 min

Lab File: VX001321.D

Acq: 02 May 2018 17:07

Instrument :

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ClientSampleId :

STORAGEBLANK-WATERREF-4

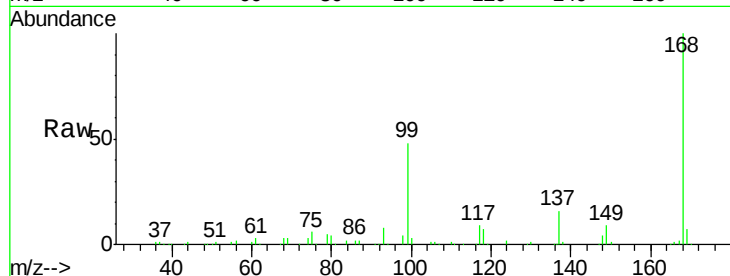
Tgt Ion: 56 Resp: 3018

Ion Ratio Lower Upper

56 100

69 153.9 24.0 36.0#

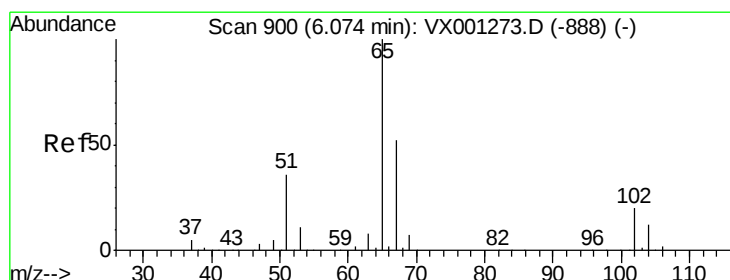
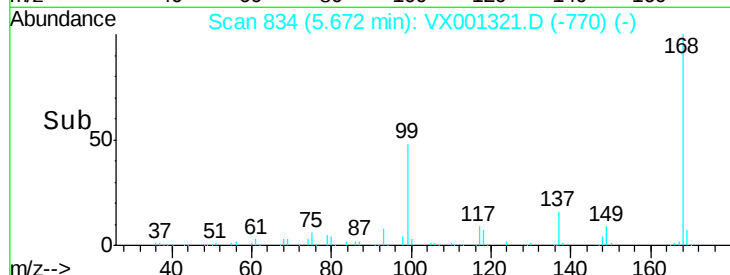
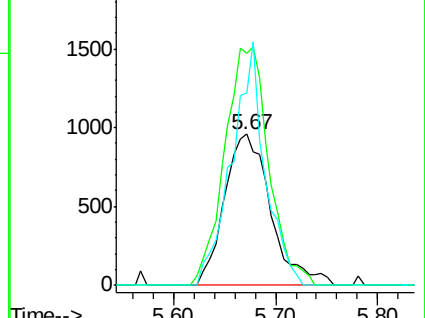
84 127.4 69.0 103.4#



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: 44.60 ug/l

RT: 6.08 min Scan# 901

Delta R.T. 0.01 min

Lab File: VX001321.D

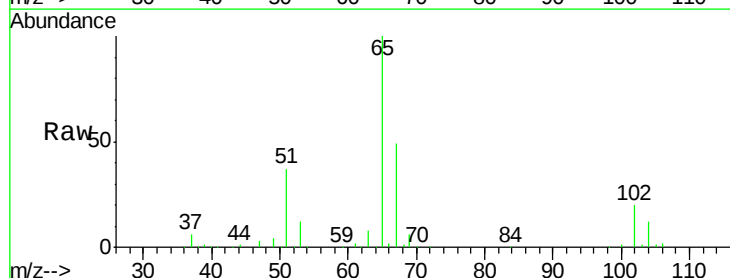
Acq: 02 May 2018 17:07

Tgt Ion: 65 Resp: 93489

Ion Ratio Lower Upper

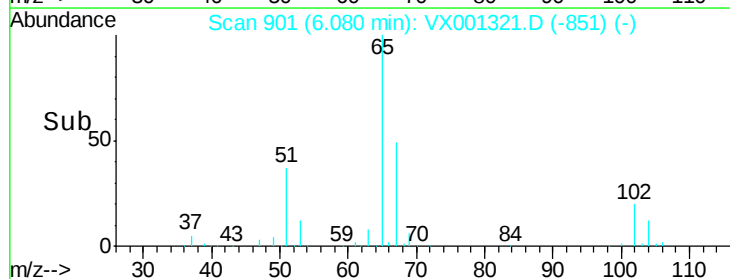
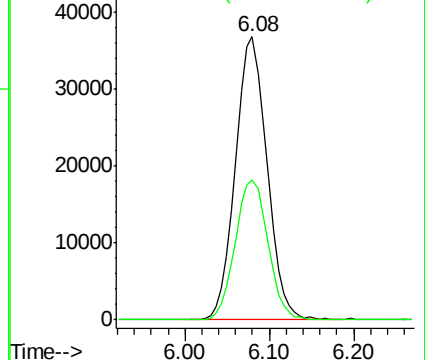
65 100

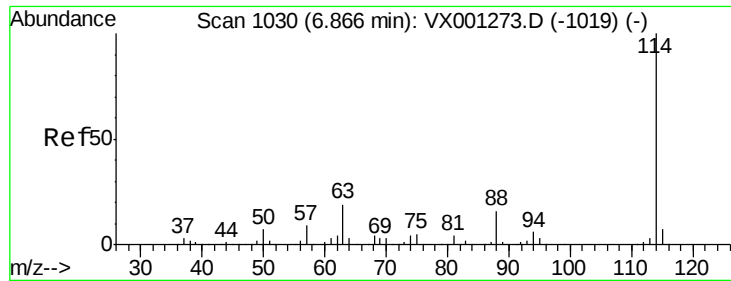
67 51.2 0.0 102.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

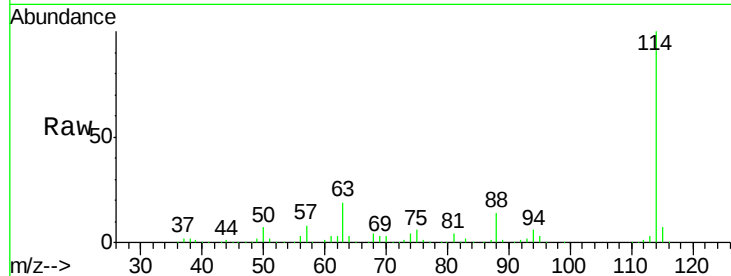




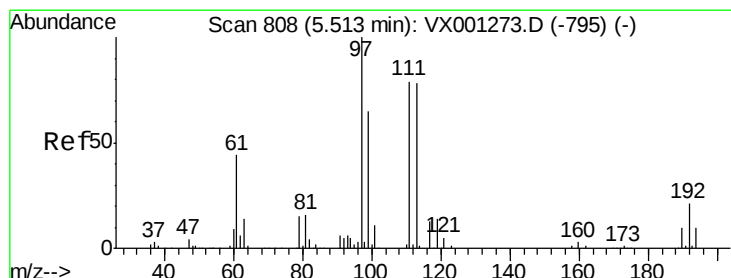
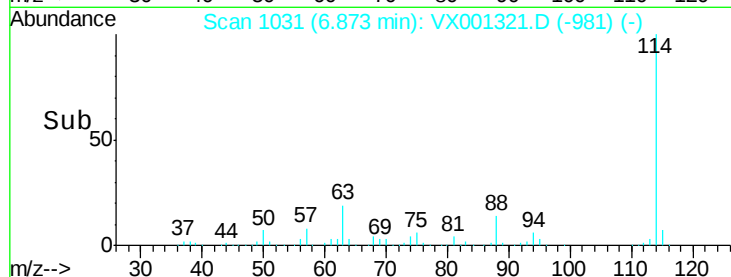
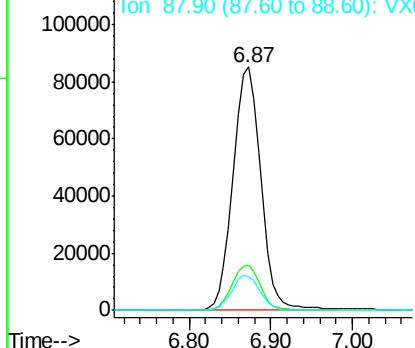
#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.87 min Scan# 1031
Delta R.T. 0.01 min
Lab File: VX001321.D
Acq: 02 May 2018 17:07

Instrument :
MSVOA_X
ClientSampleId :
STORAGEBLANK-WATERREF-4

Tgt Ion:114 Resp: 201585
Ion Ratio Lower Upper
114 100
63 18.7 0.0 38.8
88 13.8 0.0 32.2

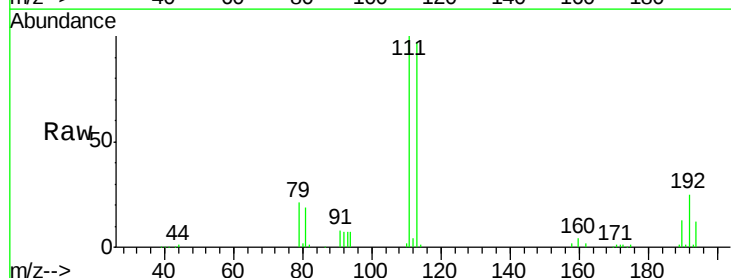


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

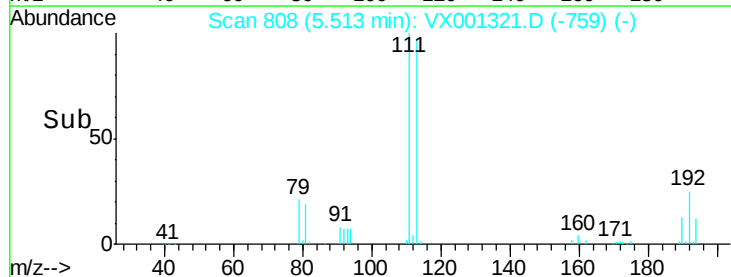
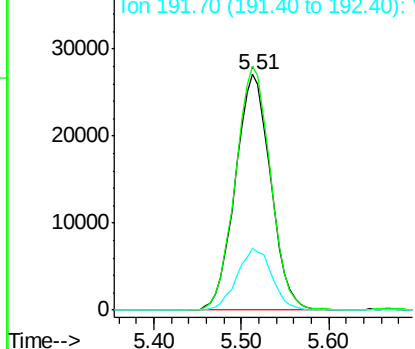


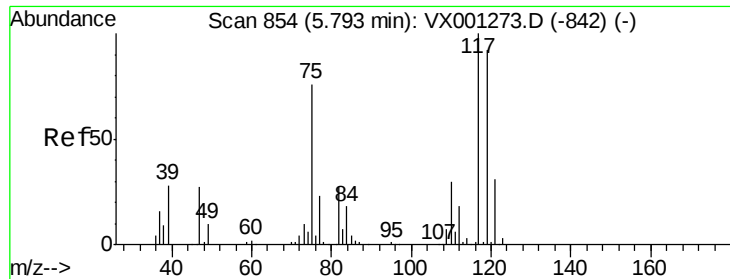
#35
Dibromofluoromethane
Concen: 43.71 ug/l
RT: 5.51 min Scan# 808
Delta R.T. 0.00 min
Lab File: VX001321.D
Acq: 02 May 2018 17:07

Tgt Ion:113 Resp: 75906
Ion Ratio Lower Upper
113 100
111 102.9 81.2 121.8
192 25.9 20.7 31.1



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





#38

Carbon Tetrachloride

Concen: 5.44 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX001321.D

Acq: 02 May 2018 17:07

Instrument :

MSVOA_X

ClientSampleId :

STORAGEBLANK-WATERREF-4

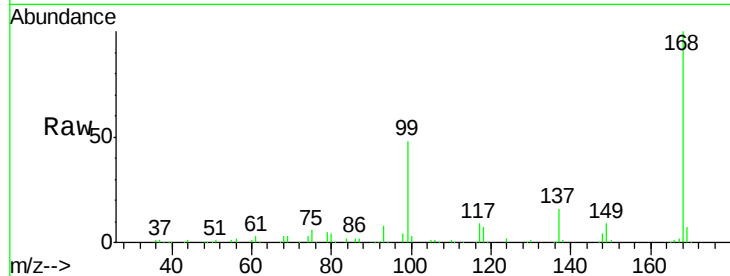
Tgt Ion:117 Resp: 13259

Ion Ratio Lower Upper

117 100

119 4.6 73.4 110.2#

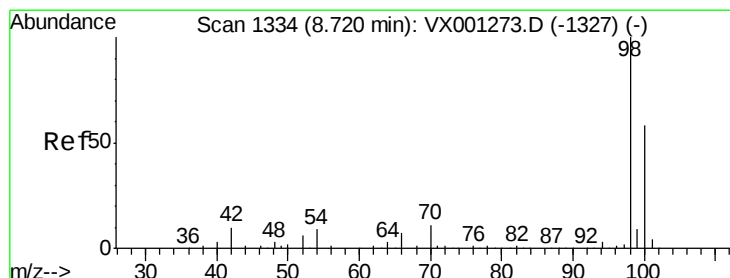
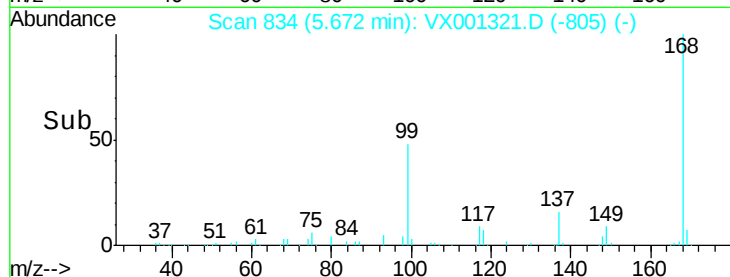
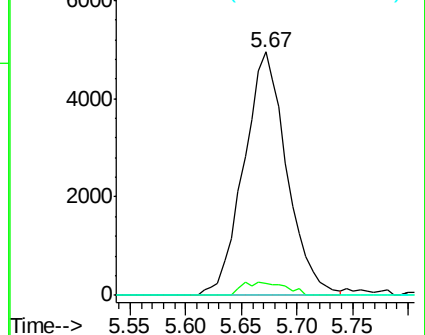
121 0.0 25.0 37.4#



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: 44.55 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX001321.D

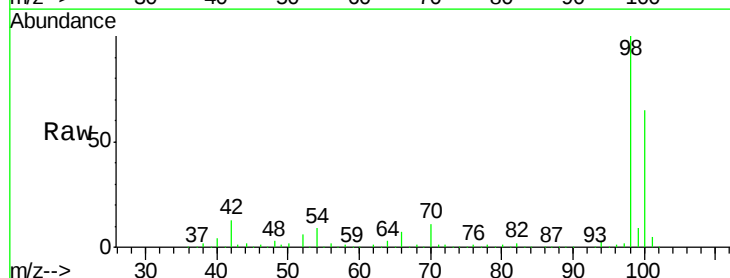
Acq: 02 May 2018 17:07

Tgt Ion: 98 Resp: 276441

Ion Ratio Lower Upper

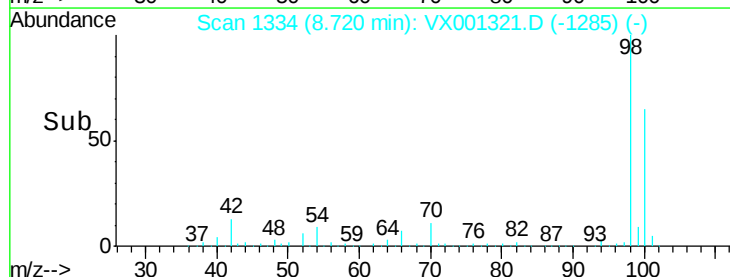
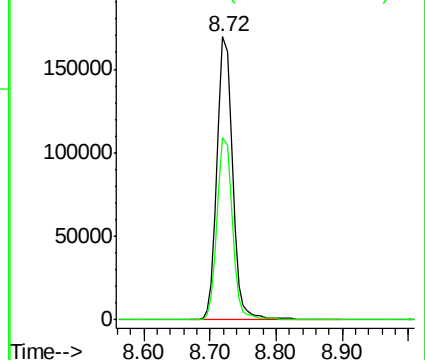
98 100

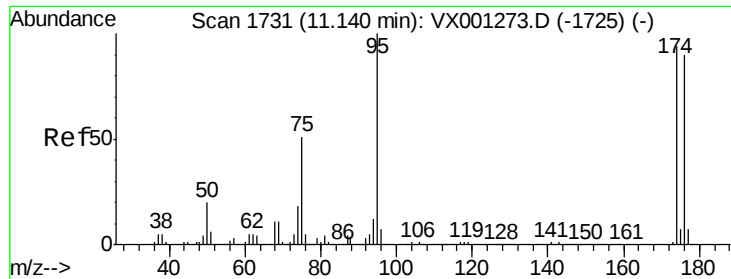
100 64.0 51.0 76.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

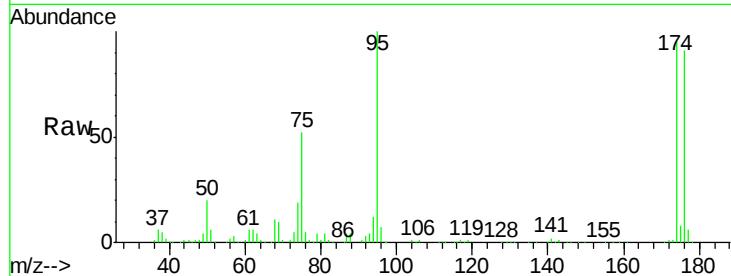




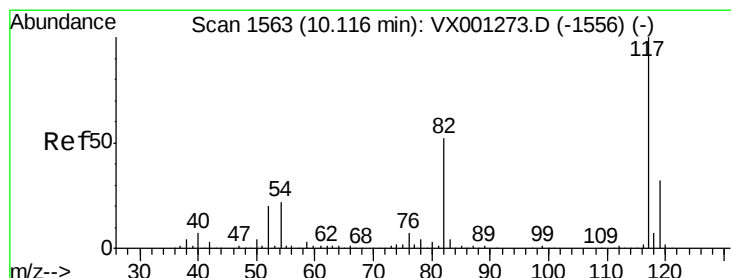
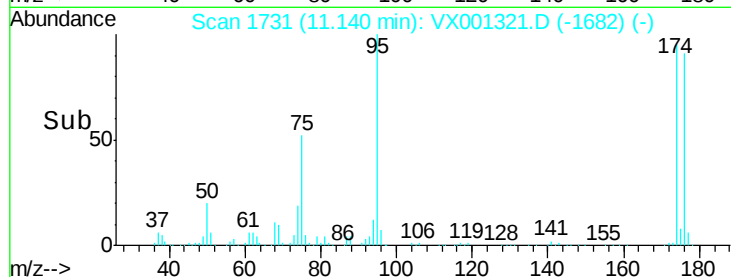
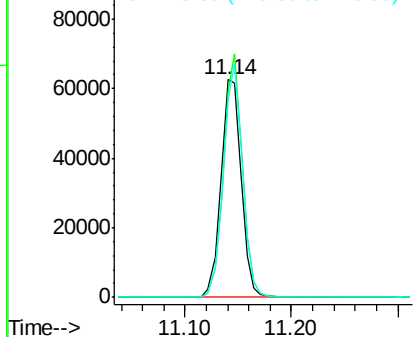
#62
4-Bromofluorobenzene
Concen: 33.55 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX001321.D
Acq: 02 May 2018 17:07

Instrument :
MSVOA_X
ClientSampleId :
STORAGEBLANK-WATERREF-4

Tgt Ion: 95 Resp: 83248
Ion Ratio Lower Upper
95 100
174 104.2 0.0 201.8
176 101.3 0.0 197.2

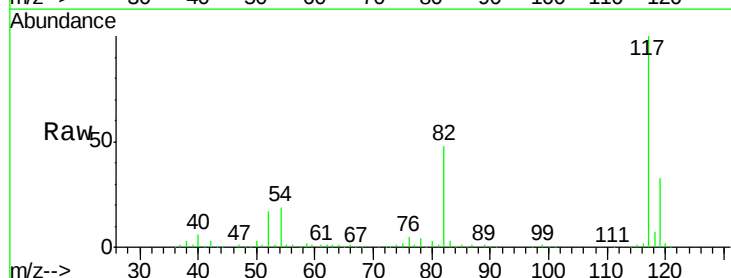


Abundance Ion 94.90 (94.60 to 95.60): VX
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

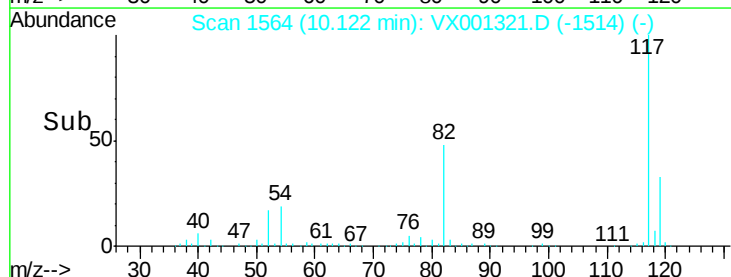
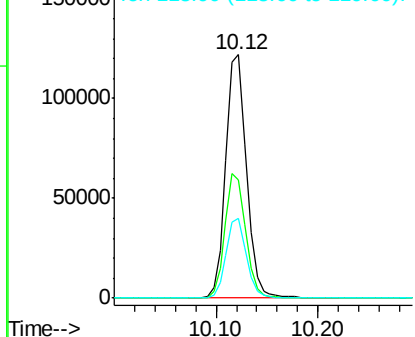


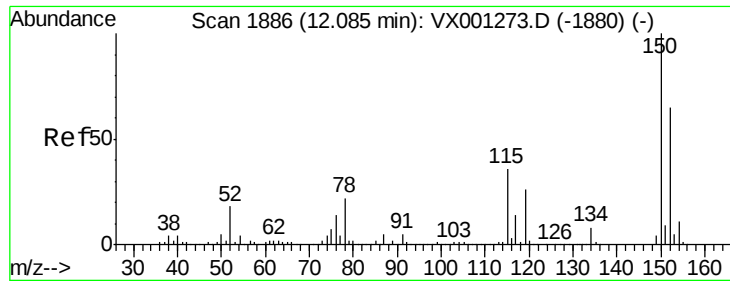
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.01 min
Lab File: VX001321.D
Acq: 02 May 2018 17:07

Tgt Ion: 117 Resp: 172341
Ion Ratio Lower Upper
117 100
82 48.4 41.4 62.0
119 32.7 25.5 38.3



Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX
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: VX001321.D

Acq: 02 May 2018 17:07

Instrument :

MSVOA_X

ClientSampleId :

STORAGEBLANK-WATERREF-4

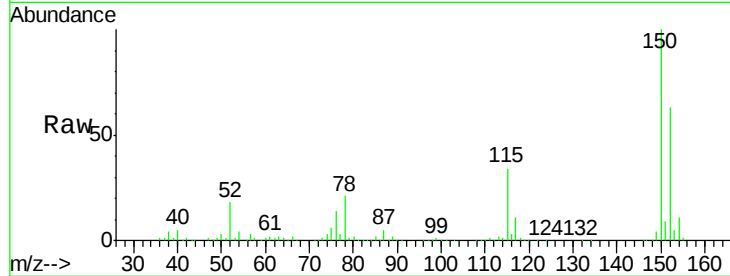
Tgt Ion:152 Resp: 84055

Ion Ratio Lower Upper

152 100

115 53.4 38.6 115.7

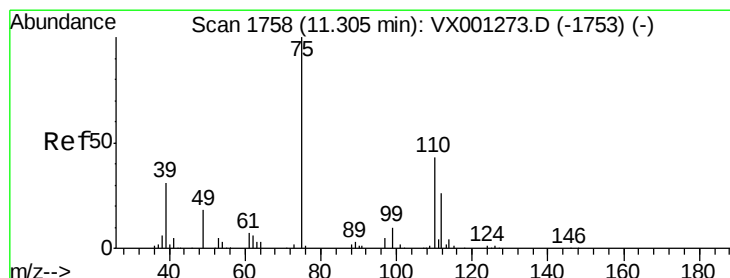
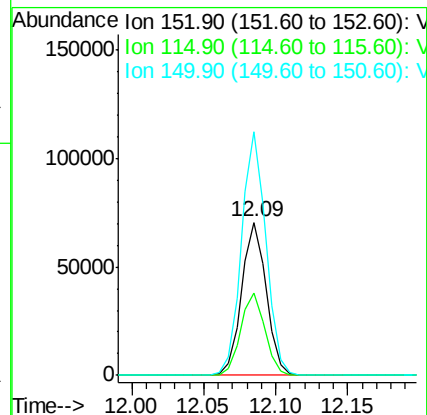
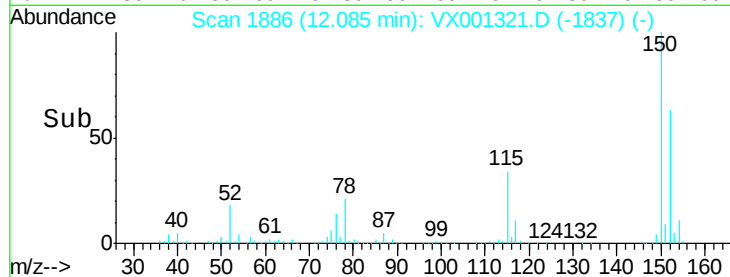
150 158.5 0.0 349.2



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: 27.45 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001321.D

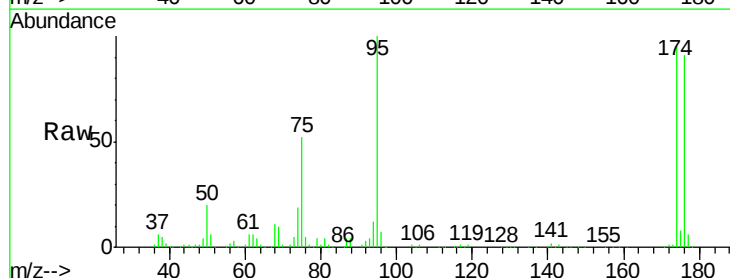
Acq: 02 May 2018 17:07

Tgt Ion: 75 Resp: 42662

Ion Ratio Lower Upper

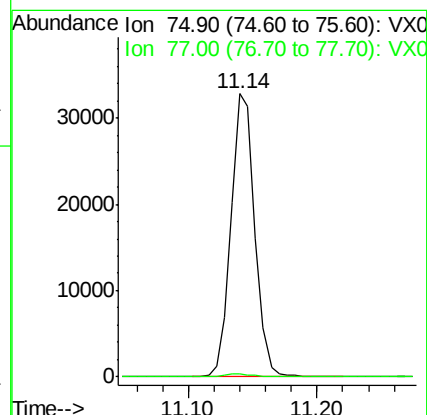
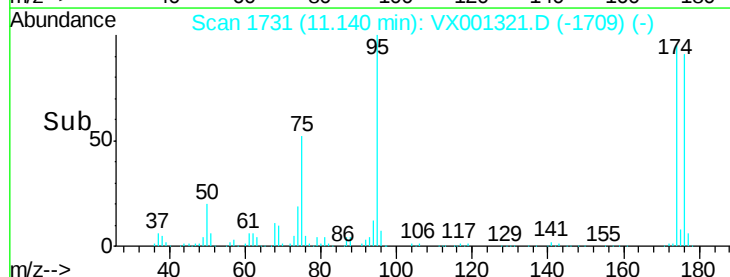
75 100

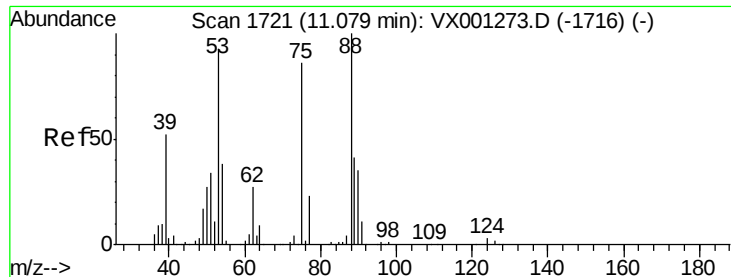
77 1.2 18.9 56.5#



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: 85.93 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX001321.D

Acq: 02 May 2018 17:07

Instrument :

MSVOA_X

ClientSampleId :

STORAGEBLANK-WATERREF-4

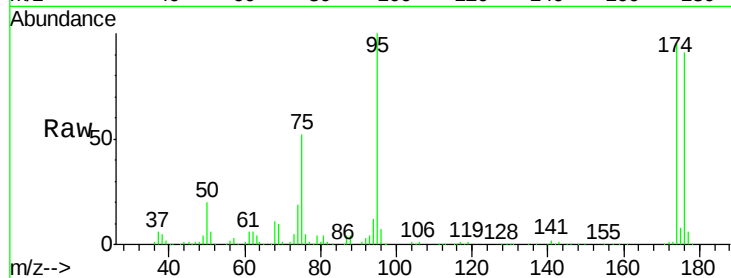
Tgt Ion: 75 Resp: 42662

Ion Ratio Lower Upper

75 100

53 0.0 87.1 130.7#

89 0.0 38.9 58.3#



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

