

Data File : VX001948.D

Acq On : 24 May 2018 18:29

Operator : JC/MD

Sample : J3044-03

Misc : 5.0mL/MSVOA_X/WATER

ALS Vial : 15 Sample Multiplier: 1

Instrument :

MSVOA_X

ClientSampleId :

STORAGEBLANK-WATERREF-4

Quant Time: May 25 03:34:35 2018

Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X052418W.M

Quant Title : SW846 8260

QLast Update : Thu May 24 13:09:03 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	342249	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	517589	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	468137	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	245425	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.08	65	262205	42.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.72%	
35) Dibromofluoromethane	5.51	113	204042	39.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	78.84%	
50) Toluene-d8	8.72	98	737744	39.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	78.74%	
62) 4-Bromofluorobenzene	11.14	95	269775	36.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	73.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	758	Below Cal		75
3) Chloromethane	1.32	50	1990	0.38 ug/l		94
5) Bromomethane	1.65	94	2248	Below Cal	#	65
10) Methyl Iodide	2.53	142	3740	0.65 ug/l		96
11) Tert butyl alcohol	3.08	59	594	0.49 ug/l	#	71
12) 1,1-Dichloroethene	2.37	96	1117	0.28 ug/l	#	38
13) Acrolein	2.31	56	739	1.42 ug/l	#	68
15) Acrylonitrile	3.15	53	1180	0.48 ug/l	#	61
16) Acetone	2.45	43	6700	2.84 ug/l		98
17) Carbon Disulfide	2.57	76	2862	0.25 ug/l		97
18) Methyl Acetate	2.78	43	1390	Below Cal	#	74
20) Methylene Chloride	2.85	84	1689	Below Cal	#	81
21) trans-1,2-Dichloroethene	3.17	96	604	Below Cal	#	58
25) 2-Butanone	4.73	43	1675	0.39 ug/l	#	59
28) Bromochloromethane	5.04	49	131	Below Cal	#	14
36) 1,1-Dichloropropene	5.68	75	23594	3.28 ug/l	#	51
38) Carbon Tetrachloride	5.67	117	31897	3.80 ug/l	#	15
41) Methacrylonitrile	5.05	41	270	Below Cal	#	64
49) 1,4-Dioxane	7.78	88	46	0.33 ug/l	#	1
74) N-amyl acetate	6.47	43	271	Below Cal	#	59
75) 1,1,2,2-Tetrachloroethane	11.26	83	155	Below Cal	#	68
76) 1,2,3-Trichloropropane	11.14	75	138538	23.50 ug/l	#	32
79) 2-Chlorotoluene	11.52	91	2041	Below Cal		98
81) trans-1,4-Dichloro-2-buten	11.14	75	138538	56.48 ug/l	#	10
93) 1,2,4-Trichlorobenzene	13.65	180	1538	0.21 ug/l	#	91

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

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ALS Vial : 15 Sample Multiplier: 1

Instrument :

MSVOA_X

ClientSampleId :

STORAGEBLANK-WATERREF-4

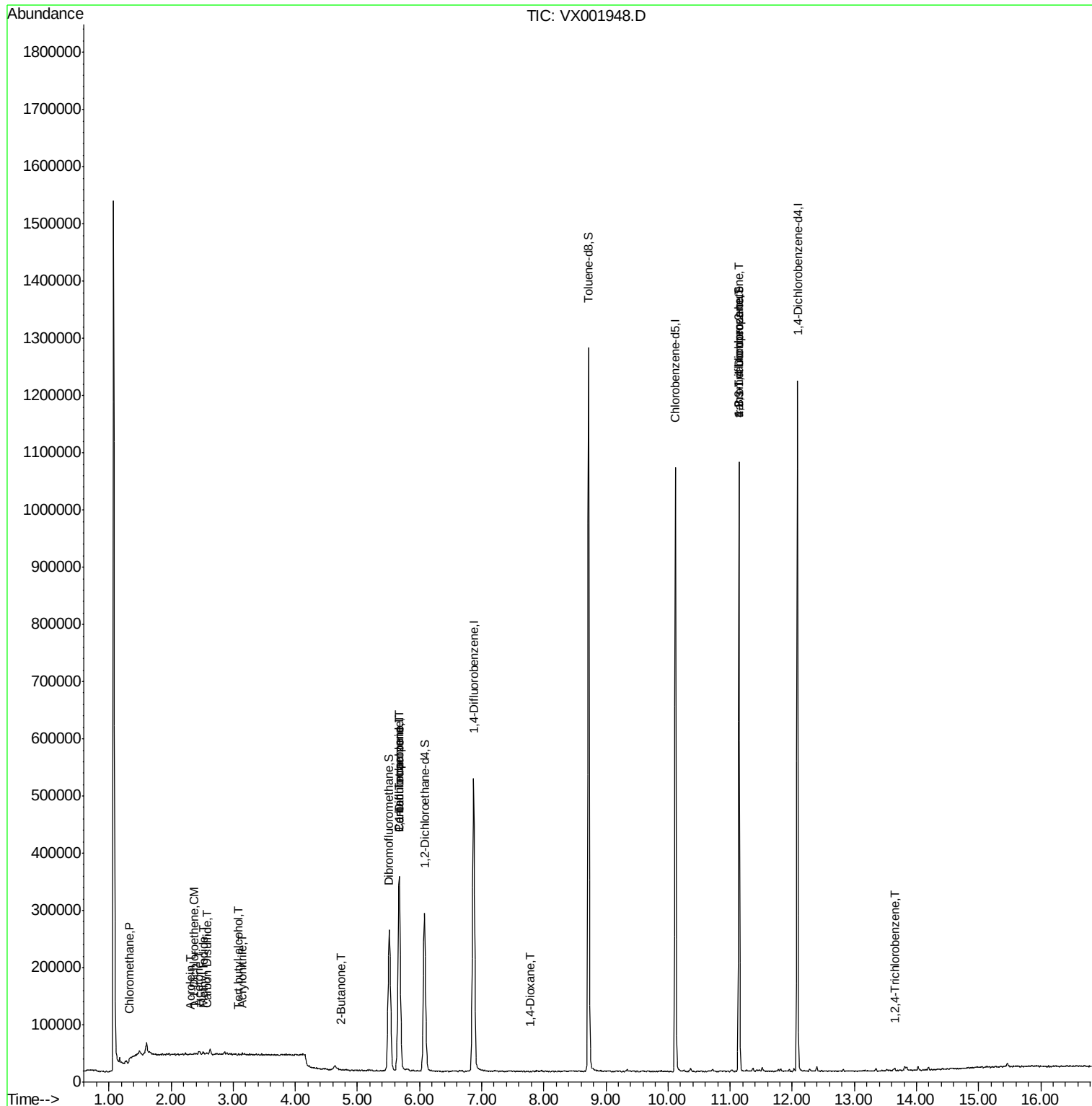
Quant Time: May 25 03:34:35 2018

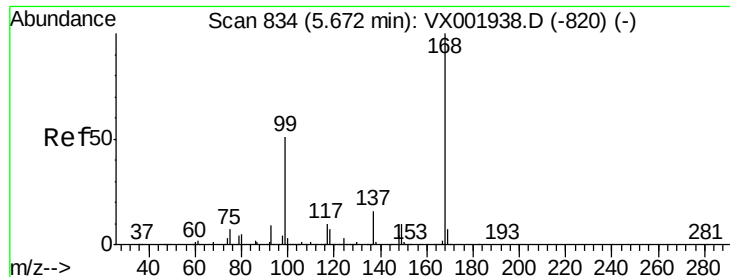
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X052418W.M

Quant Title : SW846 8260

QLast Update : Thu May 24 13:09:03 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: VX001948.D

Acq: 24 May 2018 18:29

Instrument :

MSVOA_X

ClientSampleId :

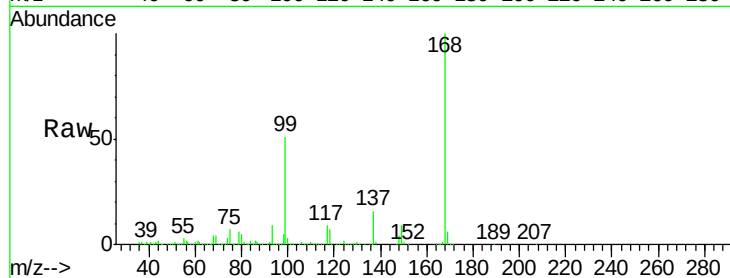
STORAGEBLANK-WATERREF-4

Tgt Ion:168 Resp: 342249

Ion Ratio Lower Upper

168 100

99 51.4 41.0 61.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

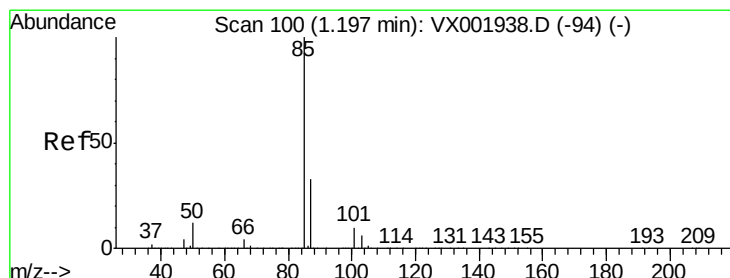
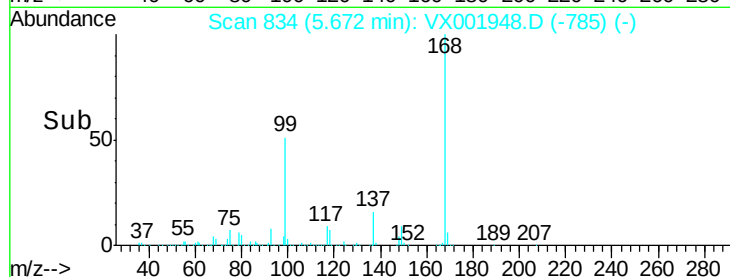
5.67

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX001948.D

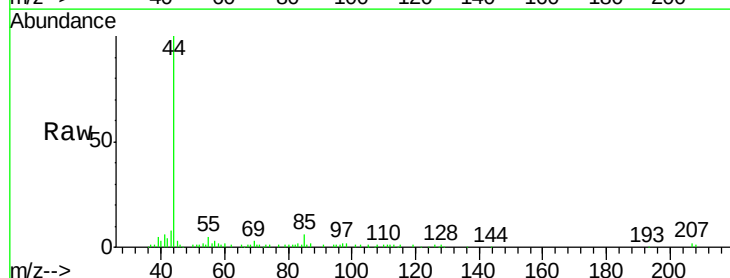
Acq: 24 May 2018 18:29

Tgt Ion: 85 Resp: 758

Ion Ratio Lower Upper

85 100

87 47.3 16.7 50.0



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

1200

1000

800

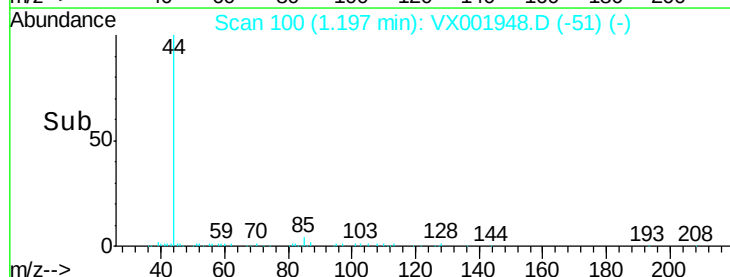
600

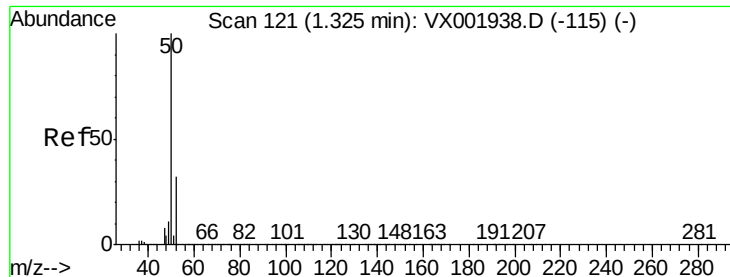
400

200

0

Time-->





#3

Chloromethane

Concen: 0.38 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX001948.D

Acq: 24 May 2018 18:29

Instrument :

MSVOA_X

ClientSampleId :

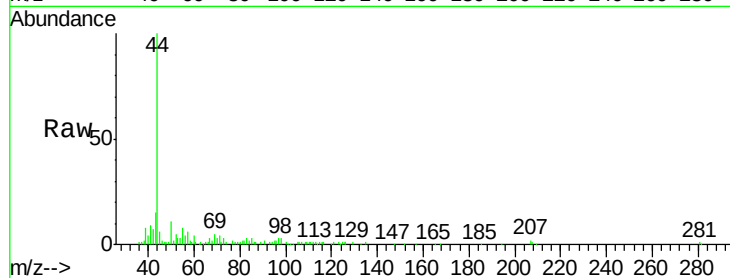
STORAGEBLANK-WATERREF-4

Tgt Ion: 50 Resp: 1990

Ion Ratio Lower Upper

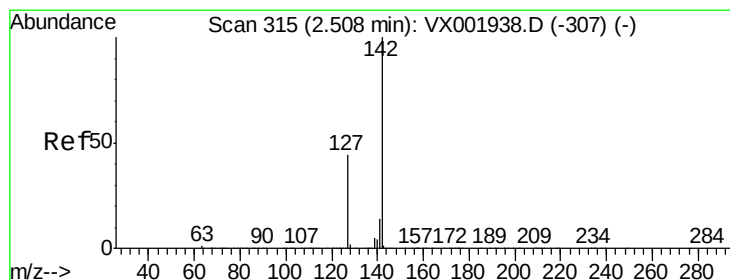
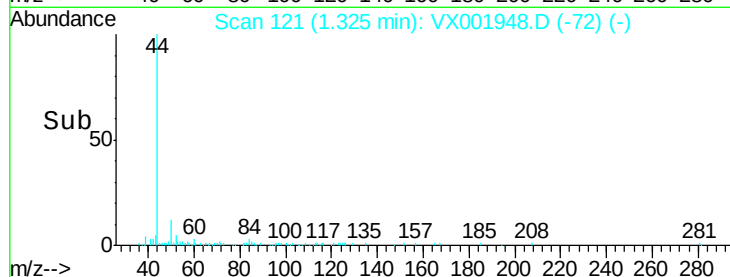
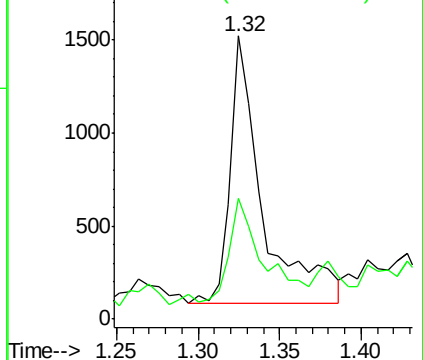
50 100

52 36.0 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#10

Methyl Iodide

Concen: 0.65 ug/l

RT: 2.53 min Scan# 315

Delta R.T. 0.02 min

Lab File: VX001948.D

Acq: 24 May 2018 18:29

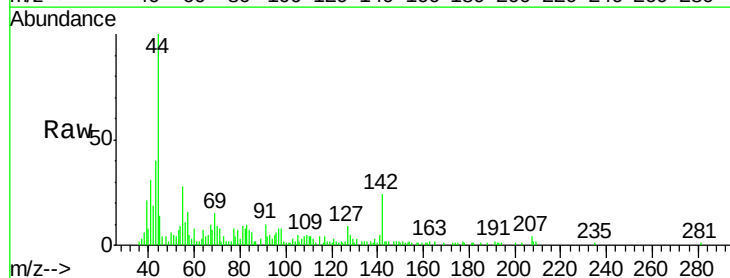
Tgt Ion: 142 Resp: 3740

Ion Ratio Lower Upper

142 100

127 41.7 35.5 53.3

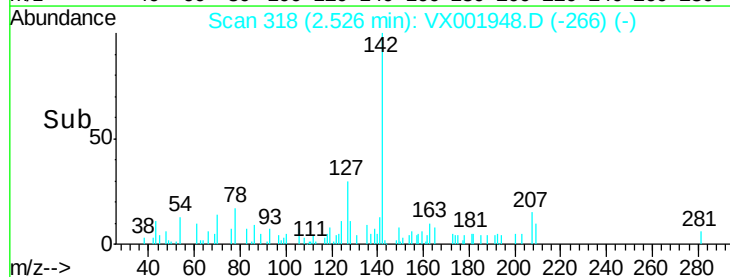
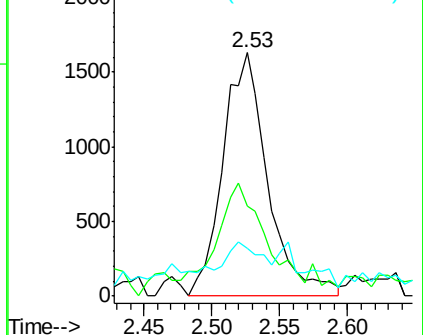
141 13.3 11.3 16.9

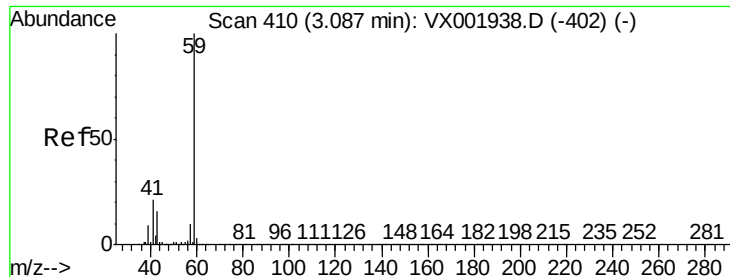


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



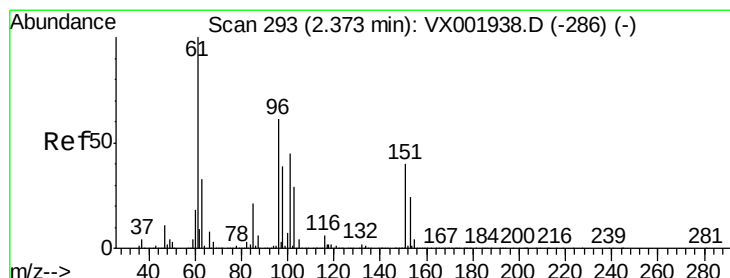
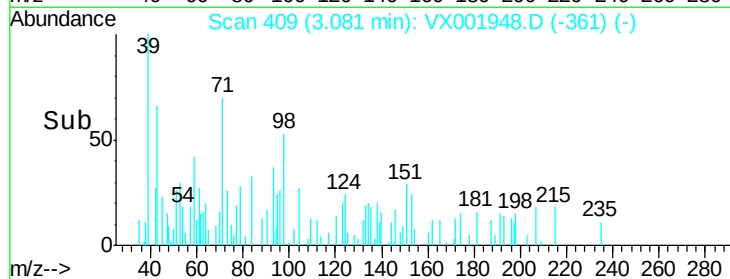
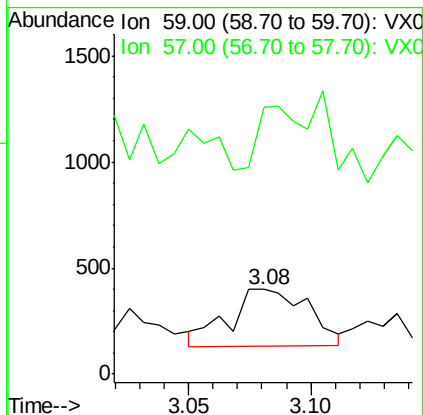
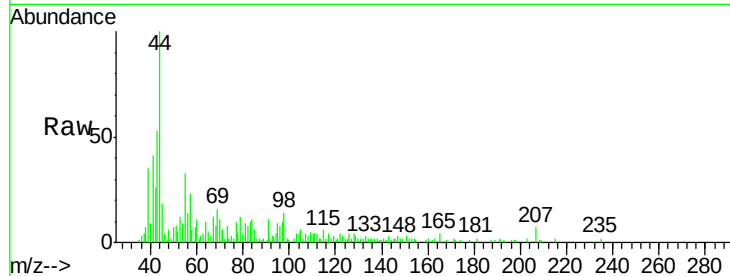


#11

Tert butyl alcohol
Concen: 0.49 ug/l
RT: 3.08 min Scan# 409
Delta R.T. -0.01 min
Lab File: VX001948.D
Acq: 24 May 2018 18:29

Instrument :
MSVOA_X
ClientSampleId :
STORAGEBLANK-WATERREF-4

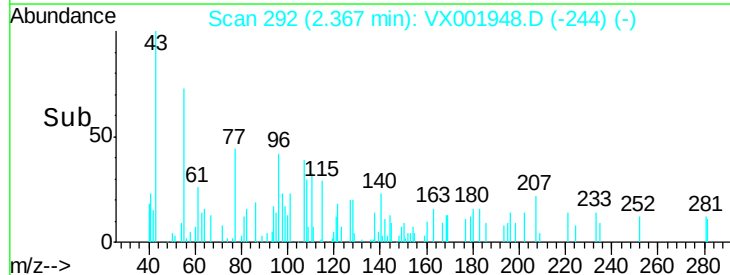
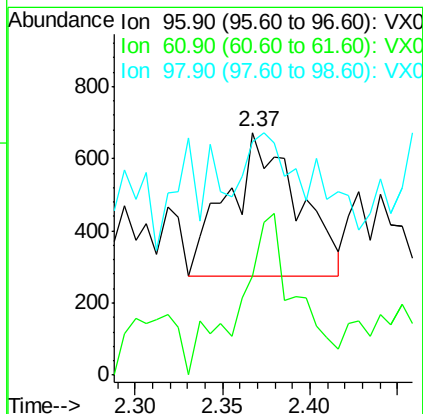
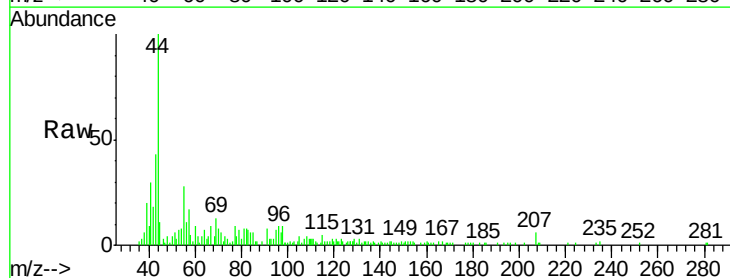
Tgt Ion: 59 Resp: 594
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#

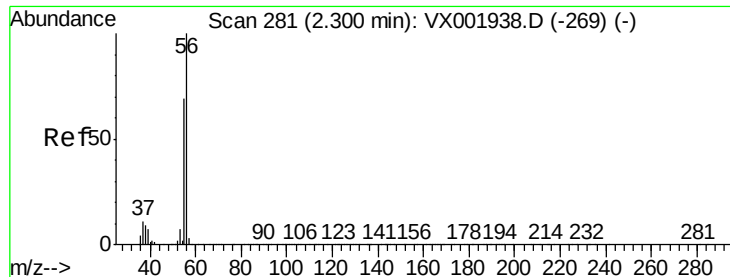


#12

1,1-Dichloroethene
Concen: 0.28 ug/l
RT: 2.37 min Scan# 292
Delta R.T. -0.01 min
Lab File: VX001948.D
Acq: 24 May 2018 18:29

Tgt Ion: 96 Resp: 1117
Ion Ratio Lower Upper
96 100
61 69.2 131.7 197.5#
98 34.8 51.6 77.4#





#13

Acrolein

Concen: 1.42 ug/l

RT: 2.31 min Scan# 282

Delta R.T. 0.01 min

Lab File: VX001948.D

Acq: 24 May 2018 18:29

Instrument :

MSVOA_X

ClientSampleId :

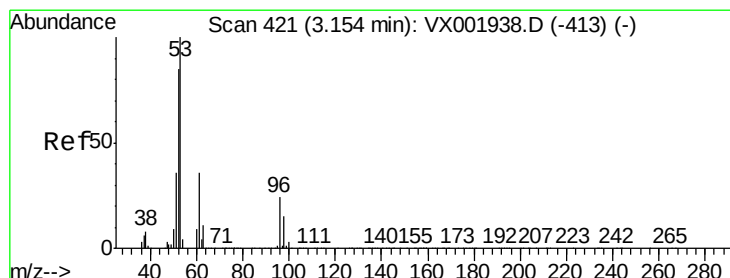
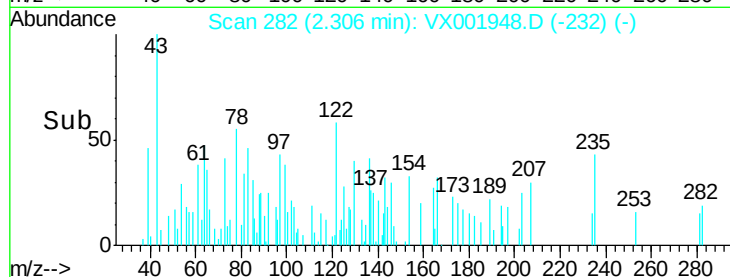
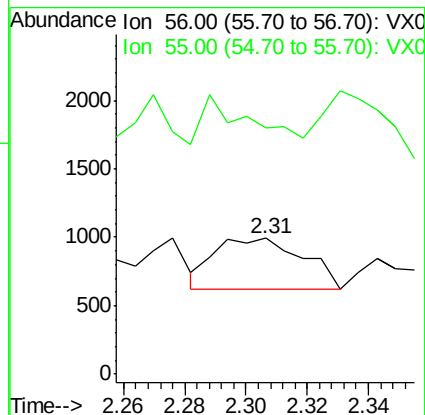
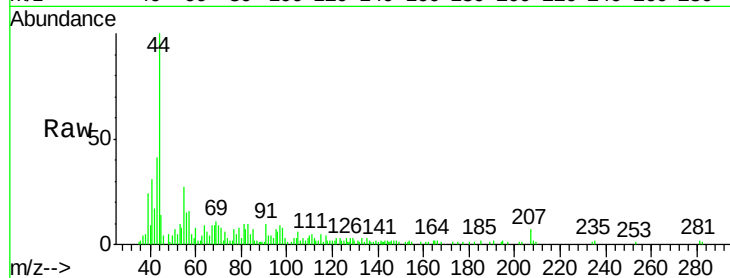
STORAGEBLANK-WATERREF-4

Tgt Ion: 56 Resp: 739

Ion Ratio Lower Upper

56 100

55 97.6 56.8 85.2#



#15

Acrylonitrile

Concen: 0.48 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX001948.D

Acq: 24 May 2018 18:29

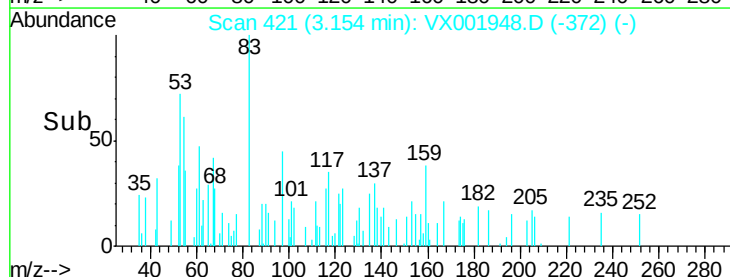
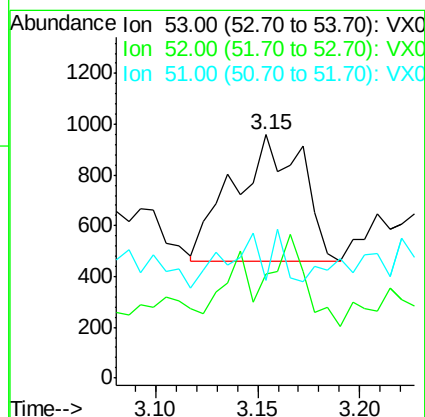
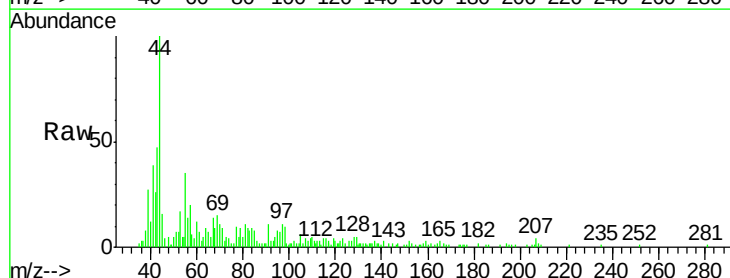
Tgt Ion: 53 Resp: 1180

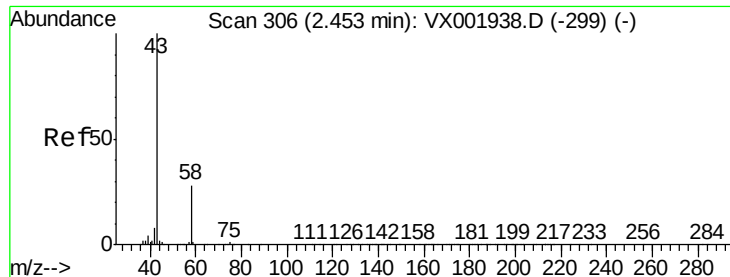
Ion Ratio Lower Upper

53 100

52 35.0 66.4 99.6#

51 31.8 29.3 43.9





#16

Acetone

Concen: 2.84 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX001948.D

Acq: 24 May 2018 18:29

Instrument :

MSVOA_X

ClientSampleId :

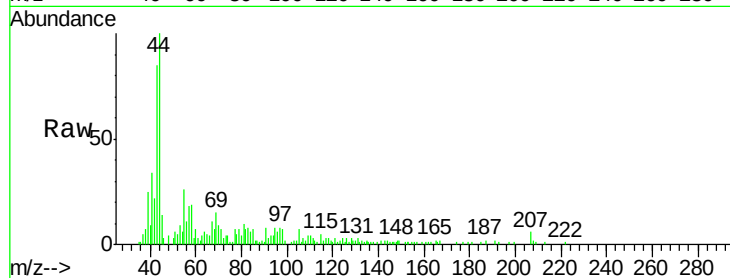
STORAGEBLANK-WATERREF-4

Tgt Ion: 43 Resp: 6700

Ion Ratio Lower Upper

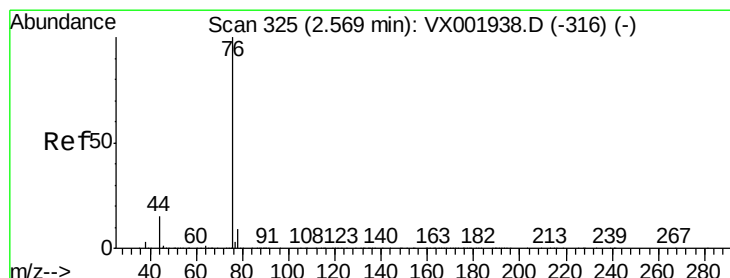
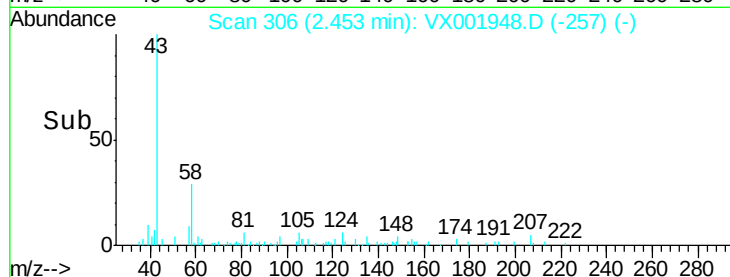
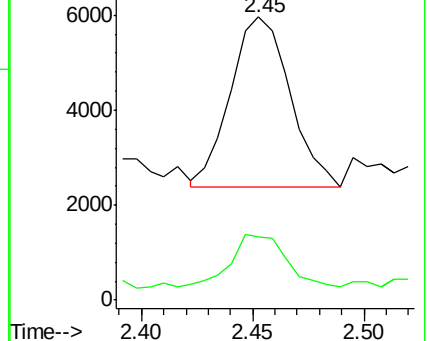
43 100

58 29.1 22.3 33.5



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. 0.01 min

Lab File: VX001948.D

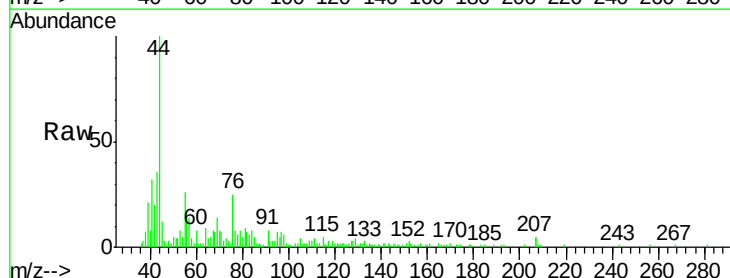
Acq: 24 May 2018 18:29

Tgt Ion: 76 Resp: 2862

Ion Ratio Lower Upper

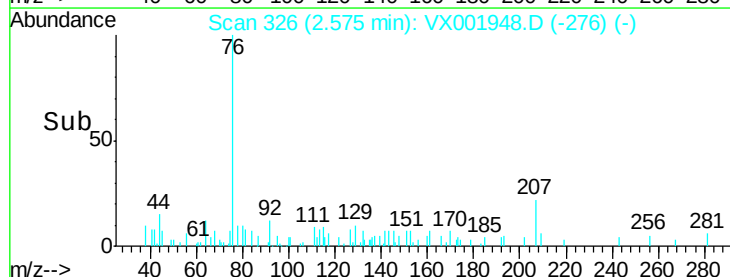
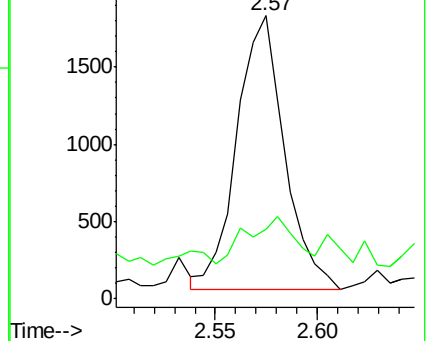
76 100

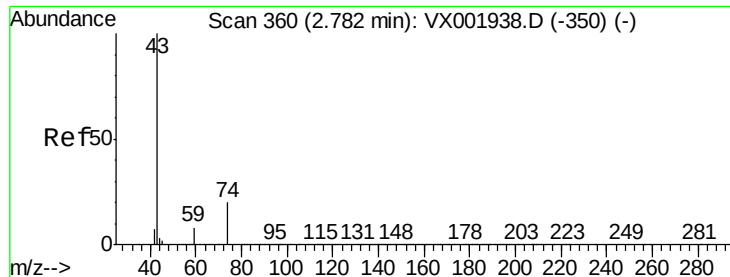
78 8.2 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

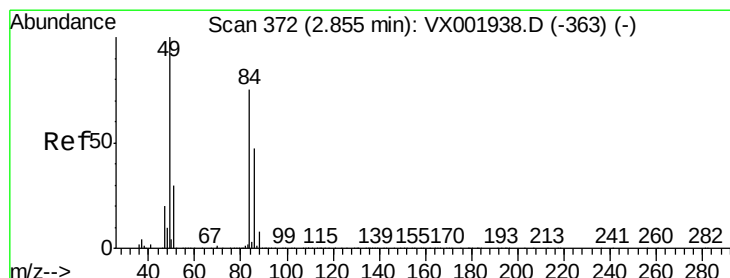
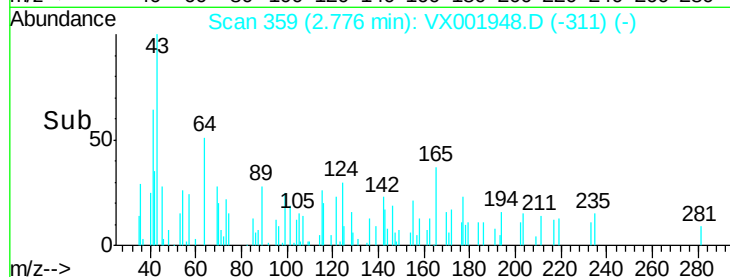
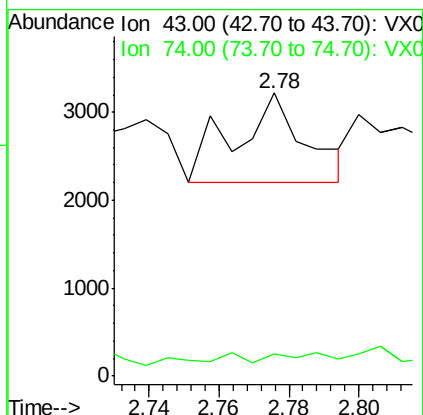
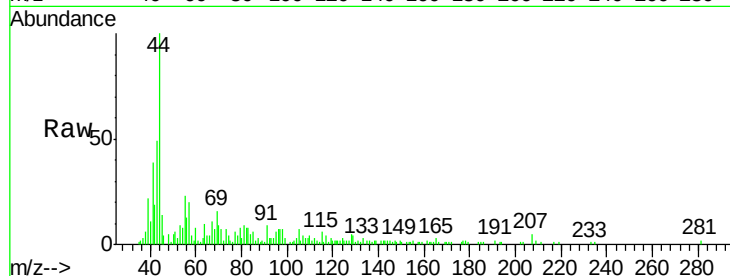




#18
Methyl Acetate
Concen: Below Cal
RT: 2.78 min Scan# 359
Delta R.T. -0.01 min
Lab File: VX001948.D
Acq: 24 May 2018 18:29

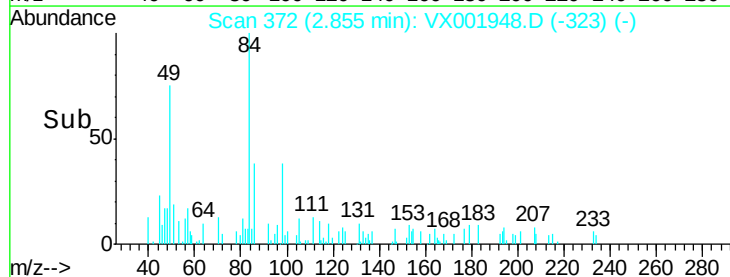
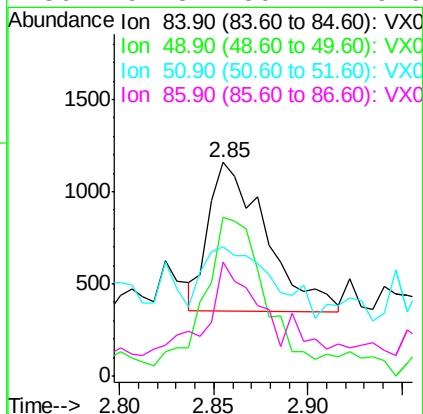
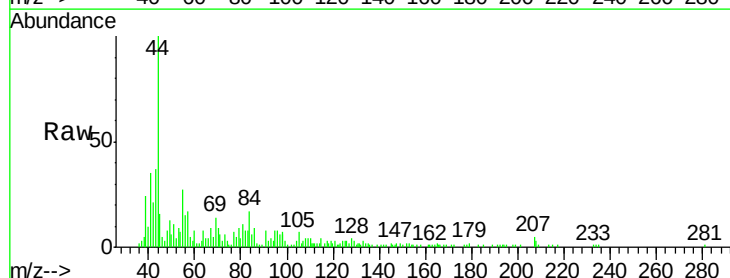
Instrument :
MSVOA_X
ClientSampleId :
STORAGEBLANK-WATERREF-4

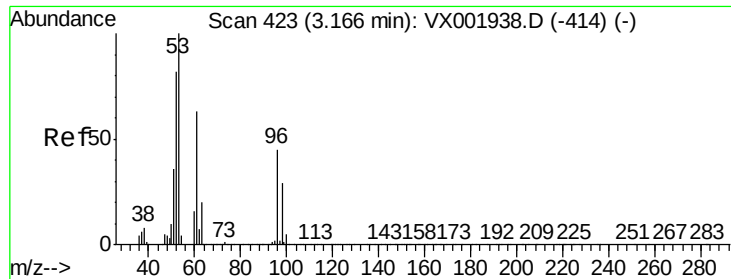
Tgt Ion: 43 Resp: 1390
Ion Ratio Lower Upper
43 100
74 8.8 16.8 25.2#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.85 min Scan# 372
Delta R.T. -0.00 min
Lab File: VX001948.D
Acq: 24 May 2018 18:29

Tgt Ion: 84 Resp: 1689
Ion Ratio Lower Upper
84 100
49 98.1 107.2 160.8#
51 41.7 32.4 48.6
86 57.8 50.4 75.6





#21

trans-1,2-Dichloroethene

Concen: Below Cal

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX001948.D

Acq: 24 May 2018 18:29

Instrument :

MSVOA_X

ClientSampleId :

STORAGEBLANK-WATERREF-4

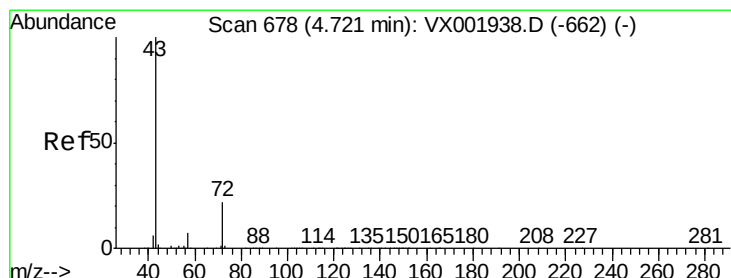
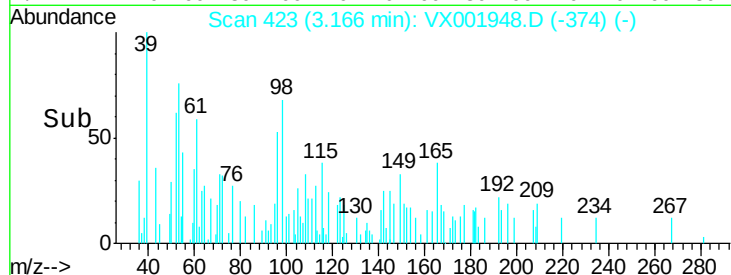
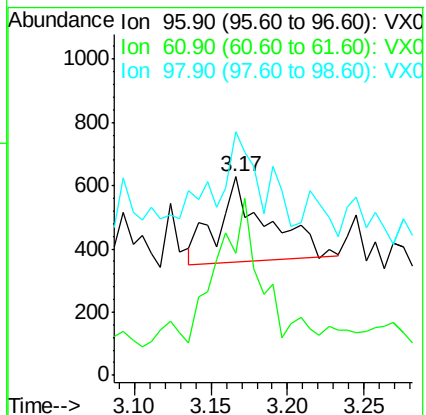
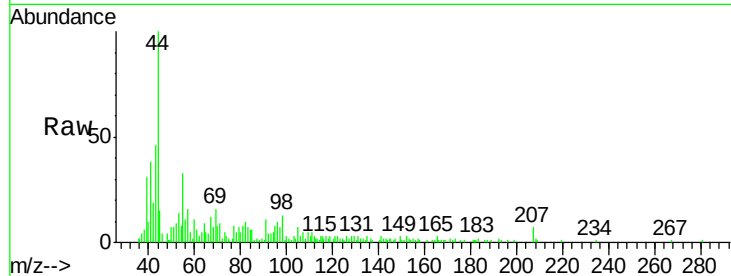
Tgt Ion: 96 Resp: 604

Ion Ratio Lower Upper

96 100

61 114.9 113.3 169.9

98 133.5 51.7 77.5#



#25

2-Butanone

Concen: 0.39 ug/l

RT: 4.73 min Scan# 680

Delta R.T. 0.01 min

Lab File: VX001948.D

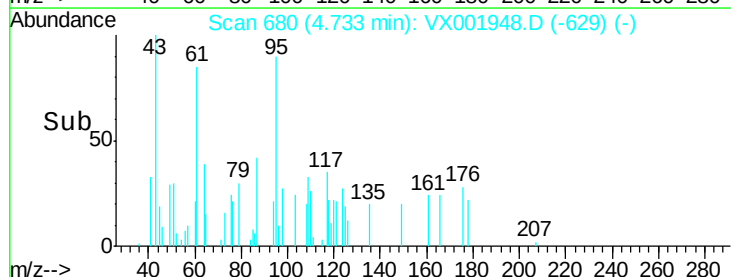
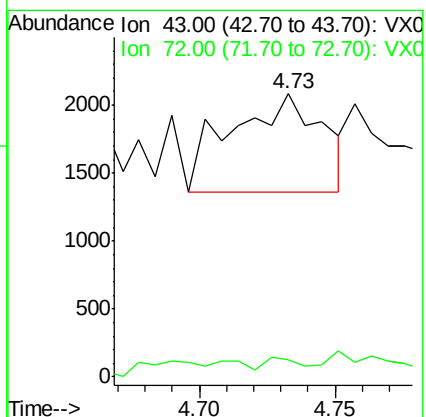
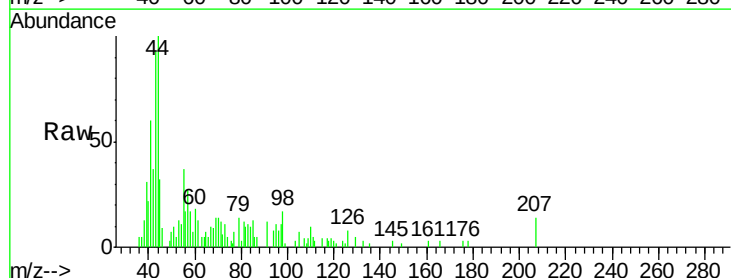
Acq: 24 May 2018 18:29

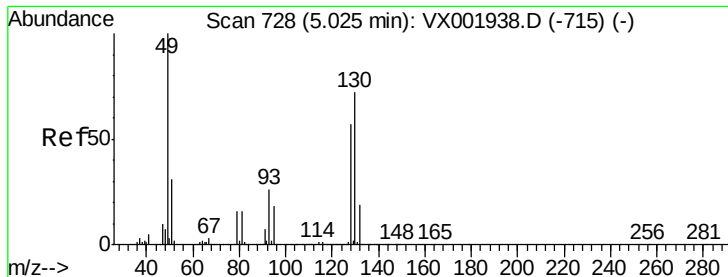
Tgt Ion: 43 Resp: 1675

Ion Ratio Lower Upper

43 100

72 2.9 17.9 26.9#





#28

Bromochloromethane

Concen: Below Cal

RT: 5.04 min Scan# 731

Delta R.T. 0.02 min

Lab File: VX001948.D

Acq: 24 May 2018 18:29

Instrument :

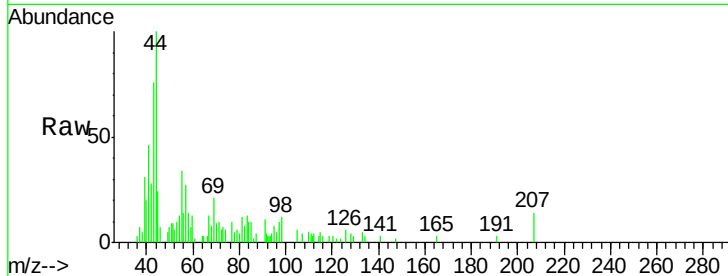
MSVOA_X

ClientSampleId :

STORAGEBLANK-WATERREF-4

Tgt Ion: 49 Resp: 131

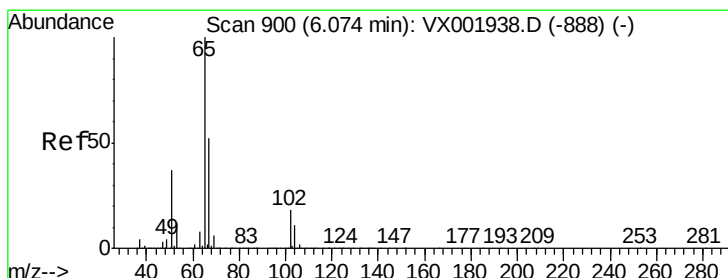
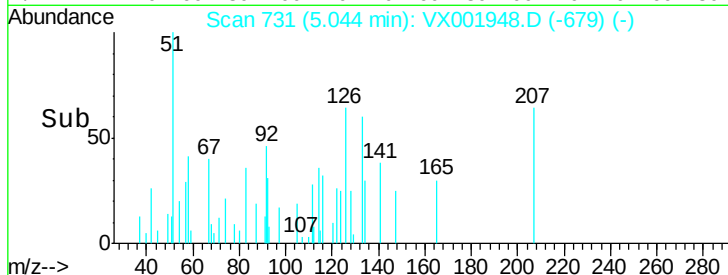
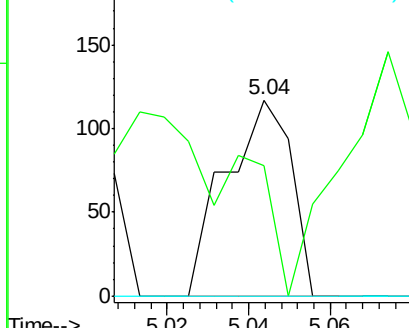
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.8
130	0.0	59.4	89.2#



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



#33

1,2-Dichloroethane-d4

Concen: 42.86 ug/l

RT: 6.08 min Scan# 901

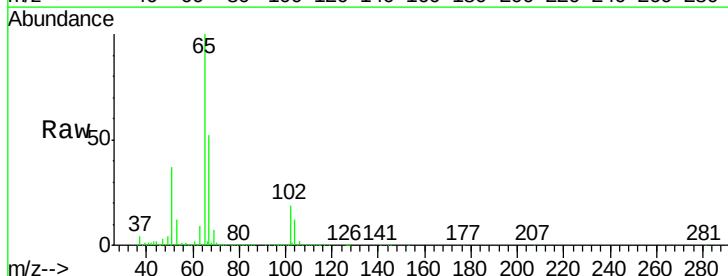
Delta R.T. 0.01 min

Lab File: VX001948.D

Acq: 24 May 2018 18:29

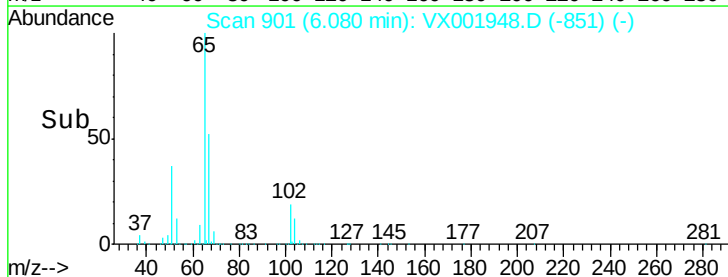
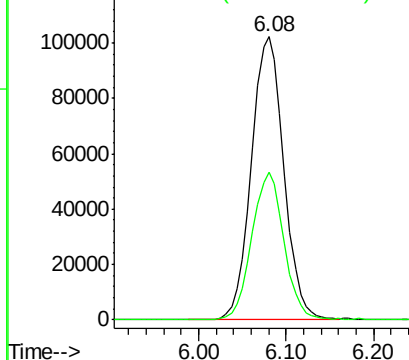
Tgt Ion: 65 Resp: 262205

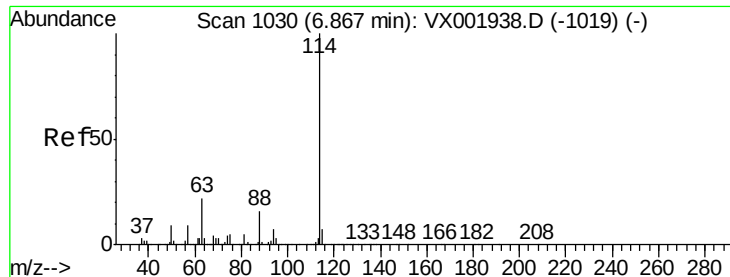
Ion	Ratio	Lower	Upper
65	100		
67	51.7	0.0	104.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

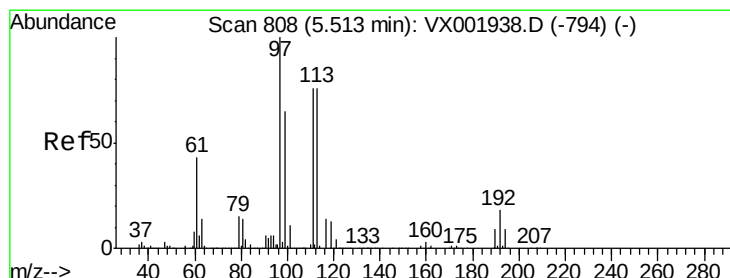
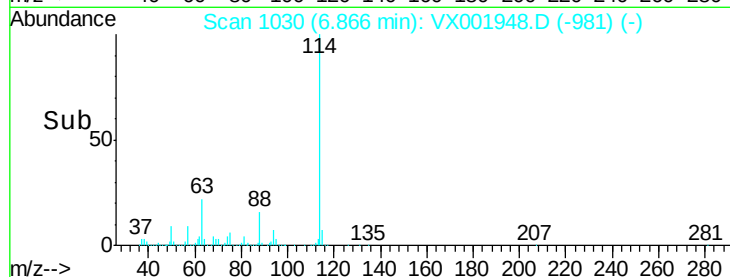
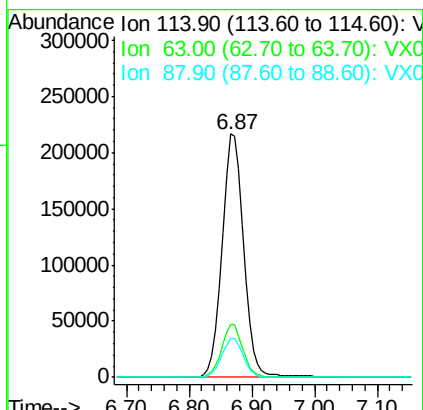
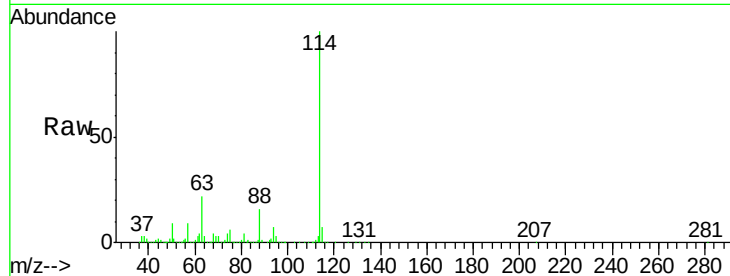




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX001948.D
 Acq: 24 May 2018 18:29

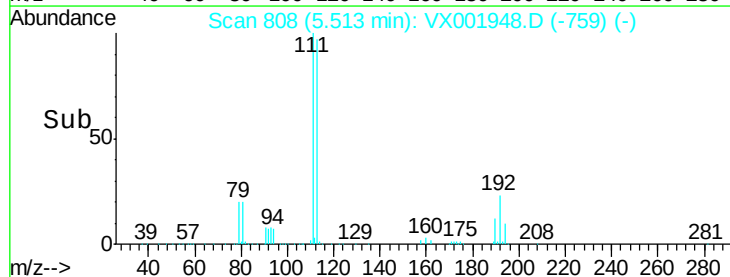
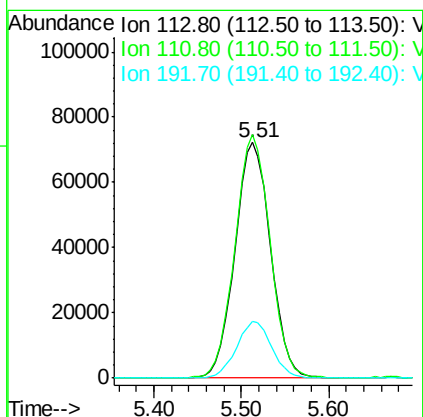
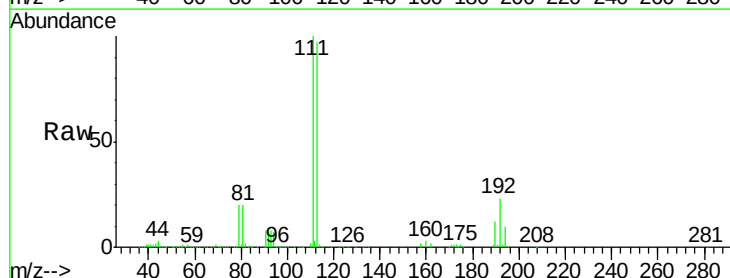
Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGEBLANK-WATERREF-4

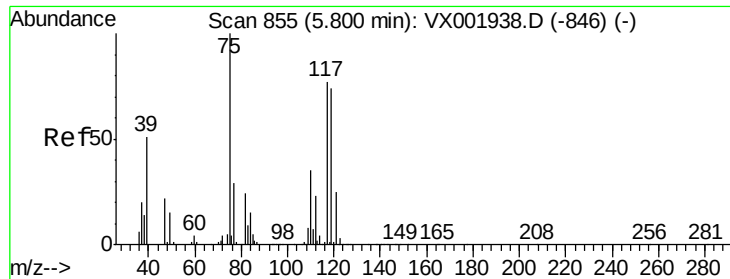
Tgt Ion:114 Resp: 517589
 Ion Ratio Lower Upper
 114 100
 63 21.7 0.0 43.2
 88 15.9 0.0 31.6



#35
 Dibromofluoromethane
 Concen: 39.42 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. -0.00 min
 Lab File: VX001948.D
 Acq: 24 May 2018 18:29

Tgt Ion:113 Resp: 204042
 Ion Ratio Lower Upper
 113 100
 111 101.9 82.0 123.0
 192 23.8 18.9 28.3

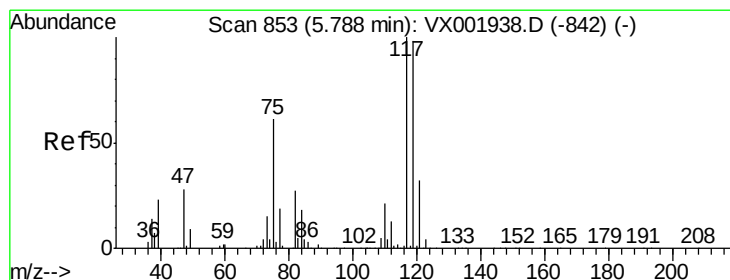
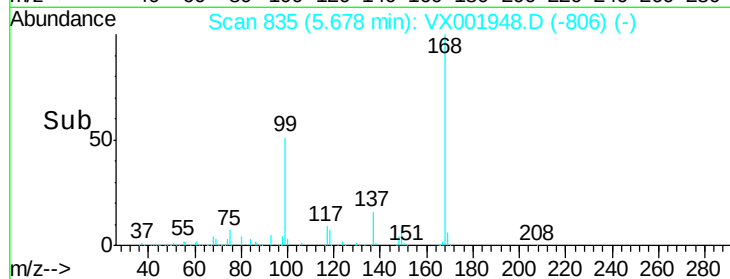
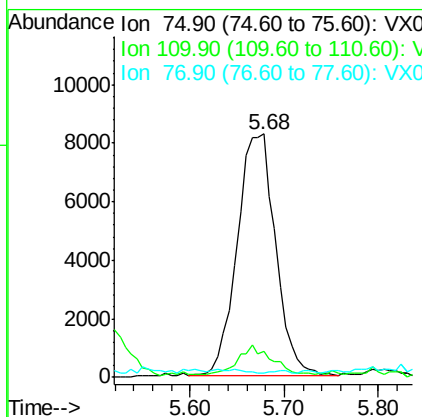
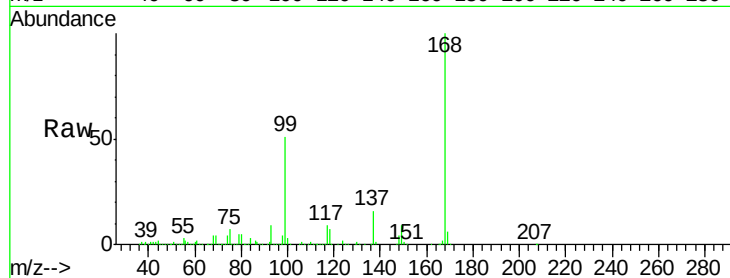




#36
 1,1-Dichloropropene
 Concen: 3.28 ug/l
 RT: 5.68 min Scan# 835
 Delta R.T. -0.12 min
 Lab File: VX001948.D
 Acq: 24 May 2018 18:29

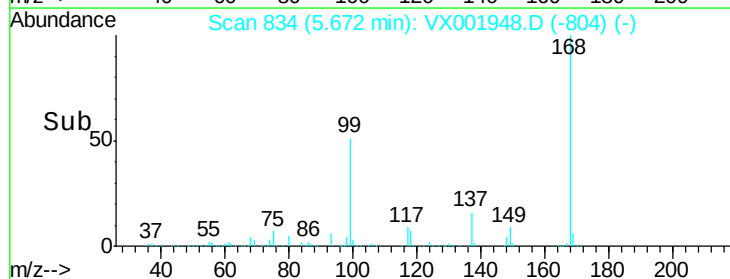
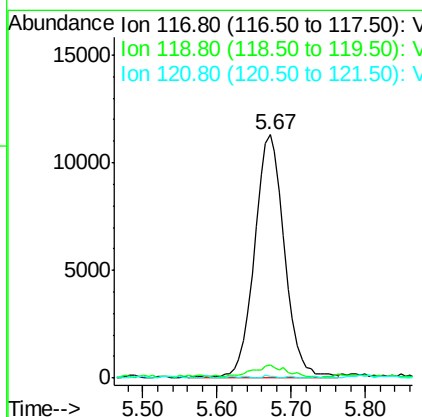
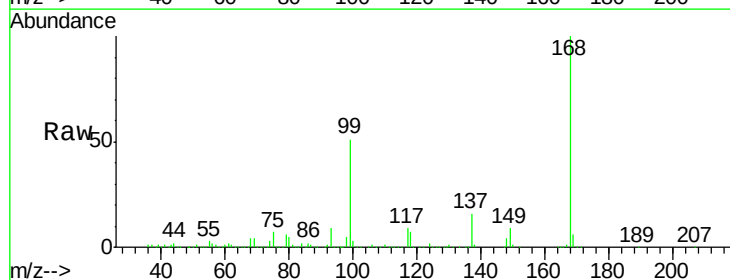
Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGEBLANK-WATERREF-4

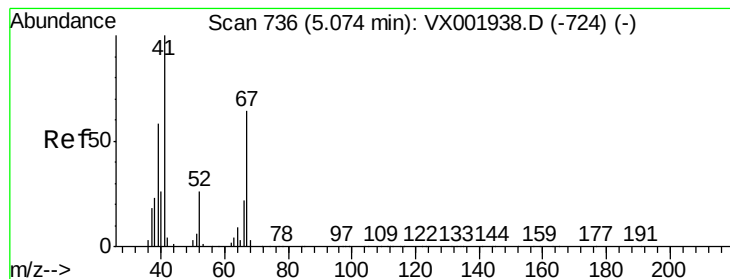
Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.4	17.4	52.2#
77	0.0	24.4	36.6#



#38
 Carbon Tetrachloride
 Concen: 3.80 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.12 min
 Lab File: VX001948.D
 Acq: 24 May 2018 18:29

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.2	78.5	117.7#
121	0.8	25.5	38.3#





#41

Methacrylonitrile

Concen: Below Cal

RT: 5.05 min Scan# 732

Delta R.T. -0.02 min

Lab File: VX001948.D

Acq: 24 May 2018 18:29

Instrument :

MSVOA_X

ClientSampleId :

STORAGEBLANK-WATERREF-4

Tgt Ion: 41 Resp: 270

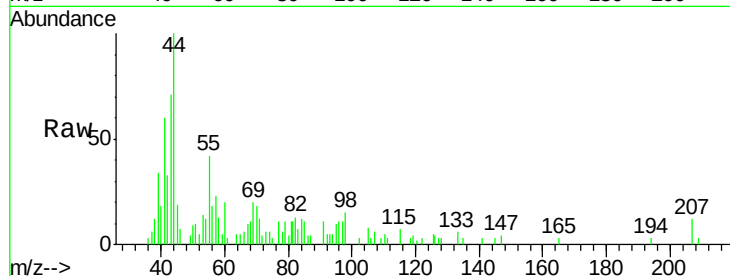
Ion Ratio Lower Upper

41 100

39 31.1 46.0 69.0#

67 22.2 50.6 75.8#

52 27.0 21.9 32.9

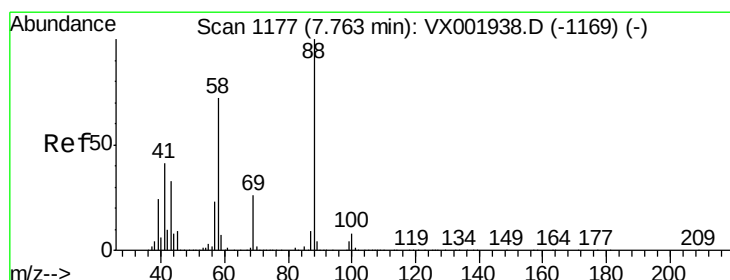
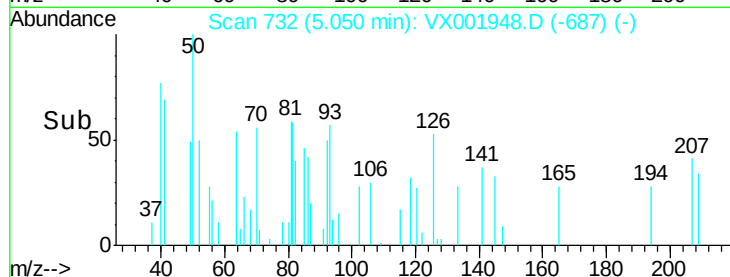
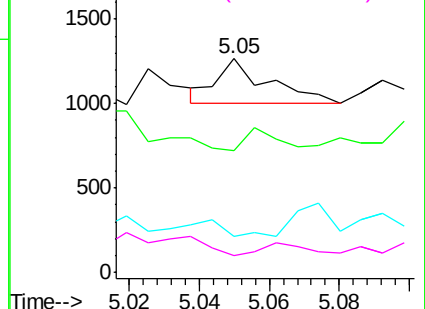


Abundance Ion 41.00 (40.70 to 41.70): VX0

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



#49

1,4-Dioxane

Concen: 0.33 ug/l

RT: 7.78 min Scan# 1180

Delta R.T. 0.02 min

Lab File: VX001948.D

Acq: 24 May 2018 18:29

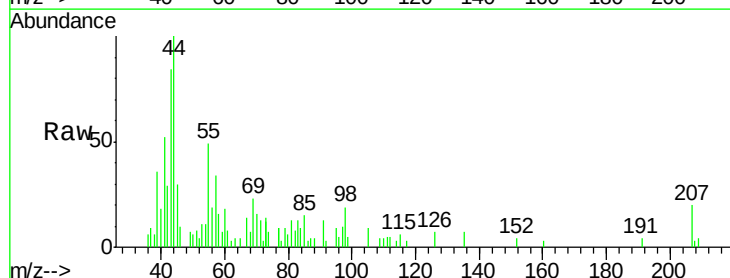
Tgt Ion: 88 Resp: 46

Ion Ratio Lower Upper

88 100

43 841.3 29.8 44.8#

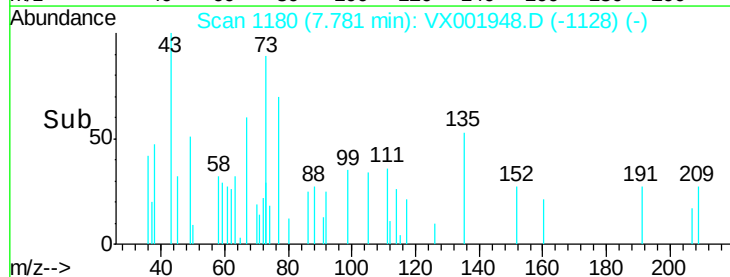
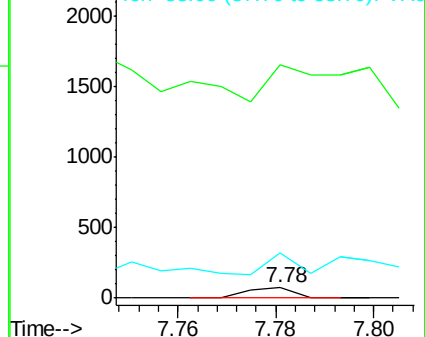
58 137.0 58.7 88.1#

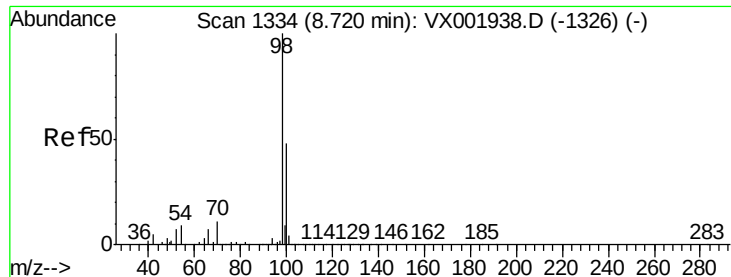


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 39.37 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX001948.D

Acq: 24 May 2018 18:29

Instrument :

MSVOA_X

ClientSampleId :

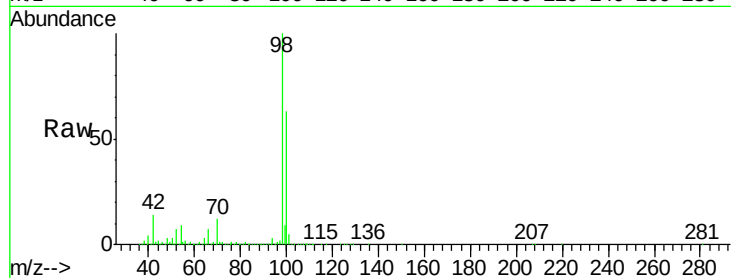
STORAGEBLANK-WATERREF-4

Tgt Ion: 98 Resp: 737744

Ion Ratio Lower Upper

98 100

100 63.7 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX

8.72

500000

400000

300000

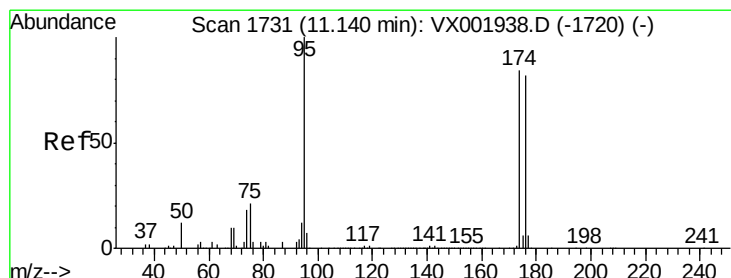
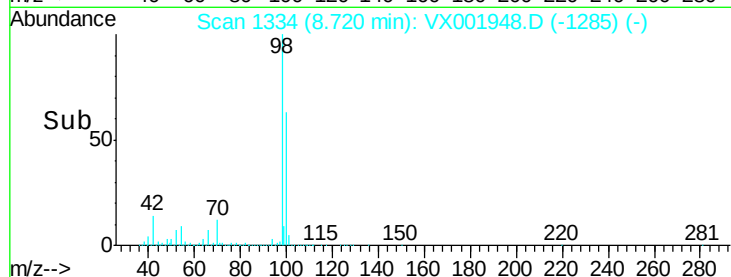
200000

100000

0

8.60 8.70 8.80

Time-->



#62

4-Bromofluorobenzene

Concen: 36.80 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX001948.D

Acq: 24 May 2018 18:29

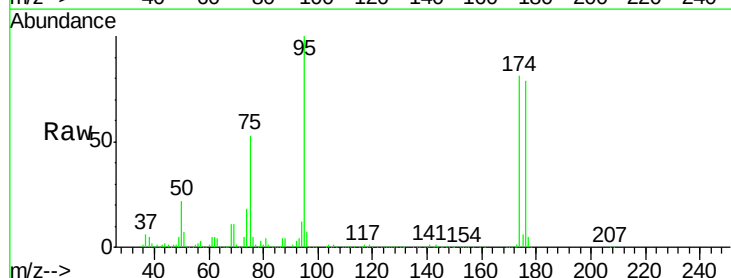
Tgt Ion: 95 Resp: 269775

Ion Ratio Lower Upper

95 100

174 88.9 0.0 178.8

176 87.3 0.0 175.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.14

250000

200000

150000

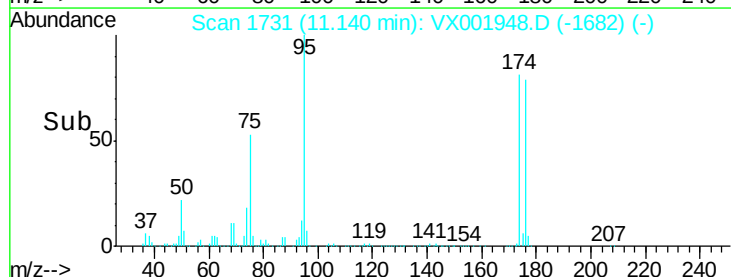
100000

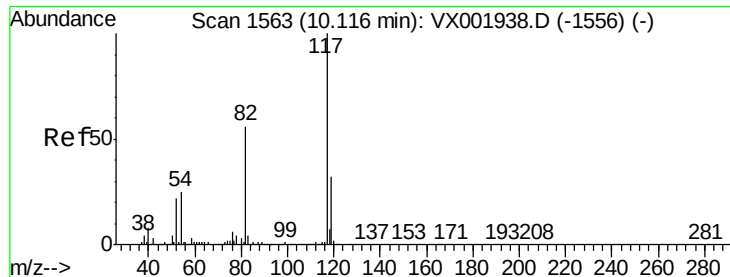
50000

0

11.10 11.15 11.20

Time-->

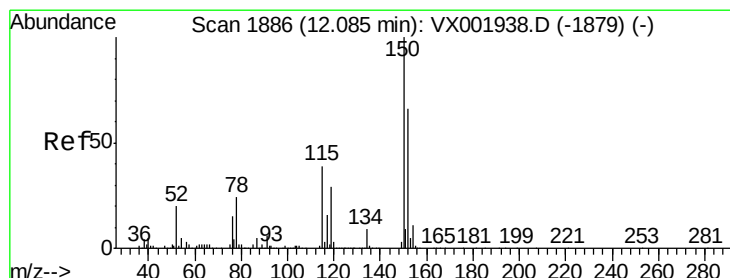
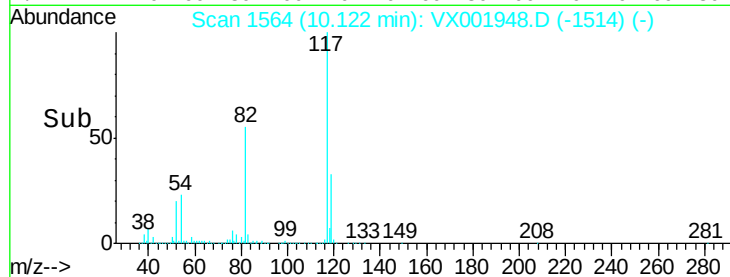
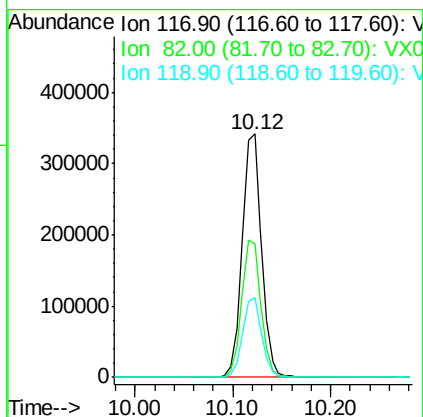
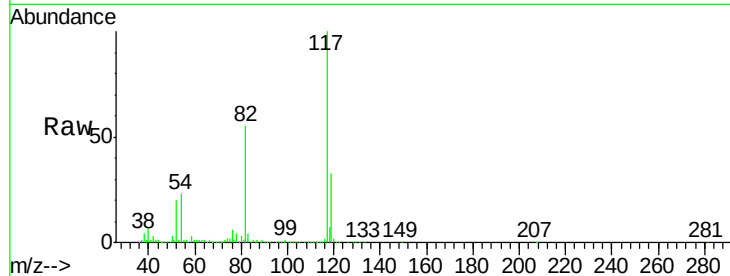




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.01 min
Lab File: VX001948.D
Acq: 24 May 2018 18:29

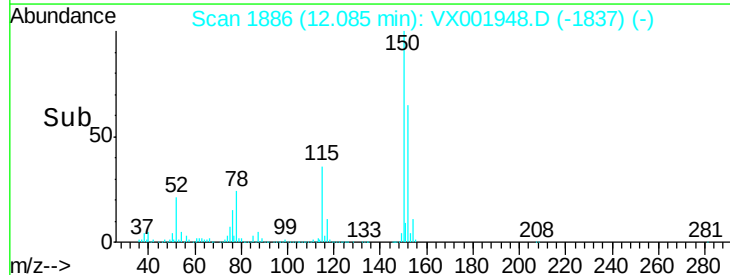
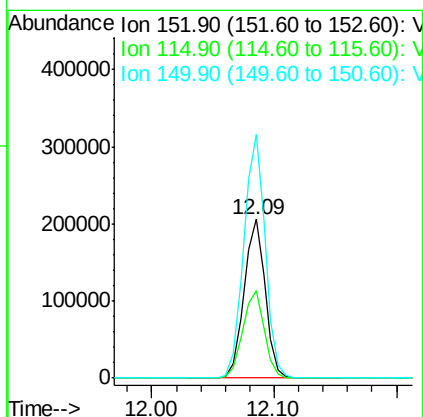
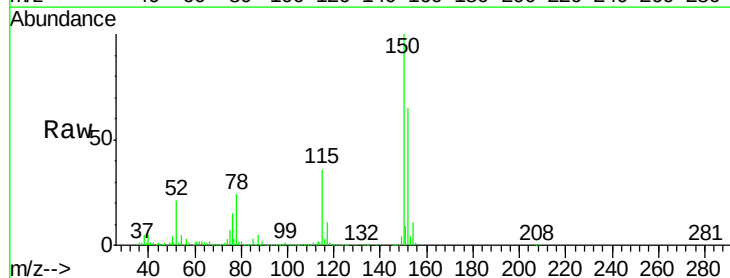
Instrument :
MSVOA_X
ClientSampleId :
STORAGEBLANK-WATERREF-4

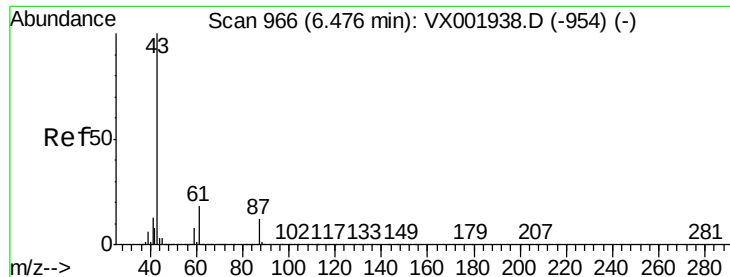
Tgt Ion:117 Resp: 468137
Ion Ratio Lower Upper
117 100
82 54.9 44.8 67.2
119 32.9 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX001948.D
Acq: 24 May 2018 18:29

Tgt Ion:152 Resp: 245425
Ion Ratio Lower Upper
152 100
115 56.0 42.3 126.8
150 154.6 0.0 351.0





#74

N-amyI acetate

Concen: Below Cal

RT: 6.47 min Scan# 965

Delta R.T. -0.01 min

Lab File: VX001948.D

Acq: 24 May 2018 18:29

Instrument :

MSVOA_X

ClientSampleId :

STORAGEBLANK-WATERREF-4

Tgt Ion: 43 Resp: 271

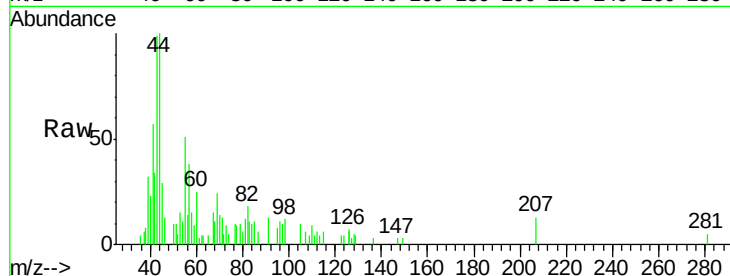
Ion Ratio Lower Upper

43 100

70 46.1 0.1 0.1#

55 0.0 0.1 0.1#

61 0.0 14.5 21.7#

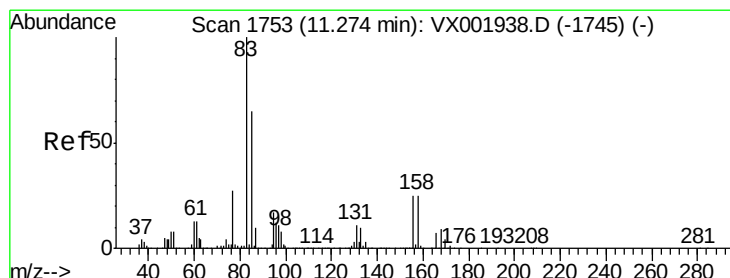
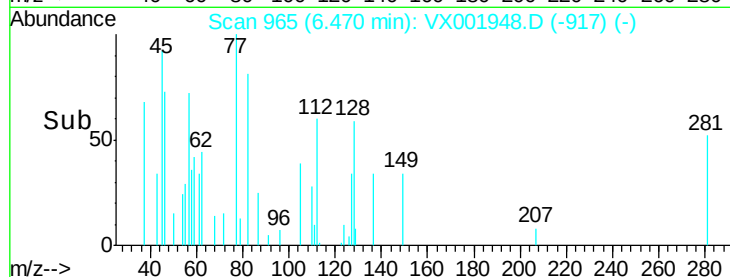
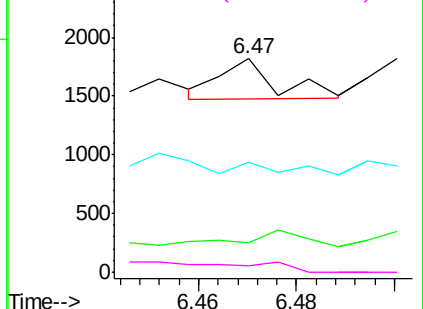


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 11.26 min Scan# 1750

Delta R.T. -0.02 min

Lab File: VX001948.D

Acq: 24 May 2018 18:29

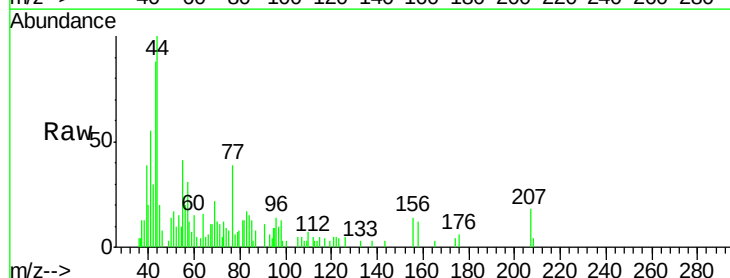
Tgt Ion: 83 Resp: 155

Ion Ratio Lower Upper

83 100

131 0.0 5.7 17.0#

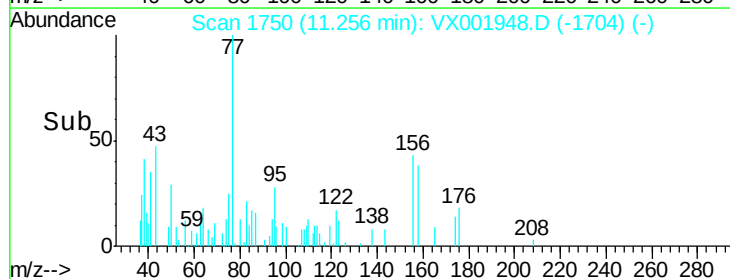
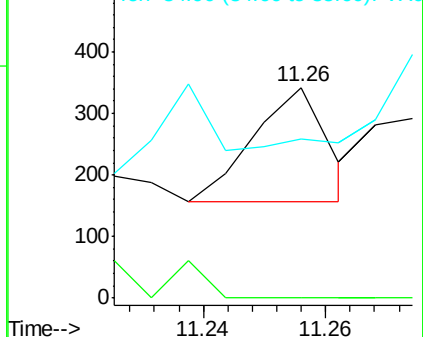
85 90.3 32.6 97.7

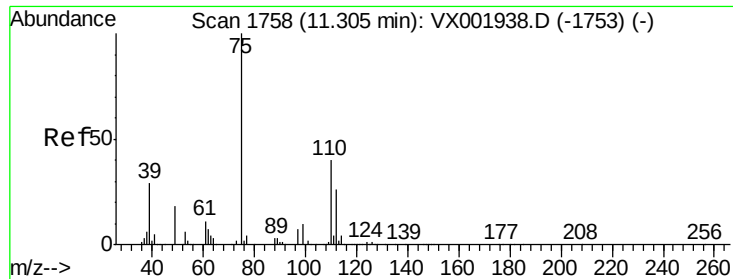


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0





#76

1,2,3-Trichloropropane

Concen: 23.50 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001948.D

Acq: 24 May 2018 18:29

Instrument :

MSVOA_X

ClientSampleId :

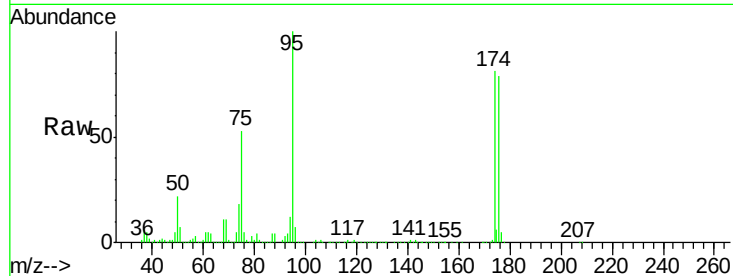
STORAGEBLANK-WATERREF-4

Tgt Ion: 75 Resp: 138538

Ion Ratio Lower Upper

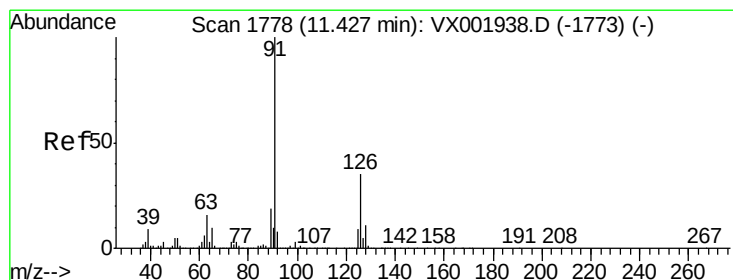
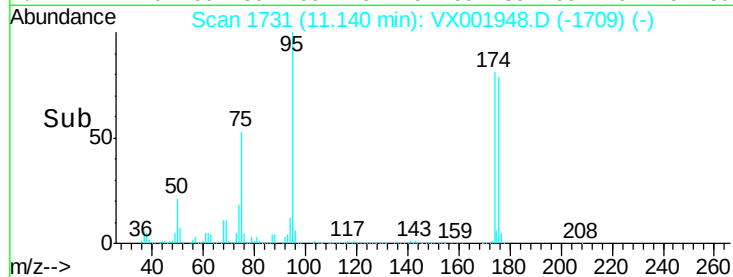
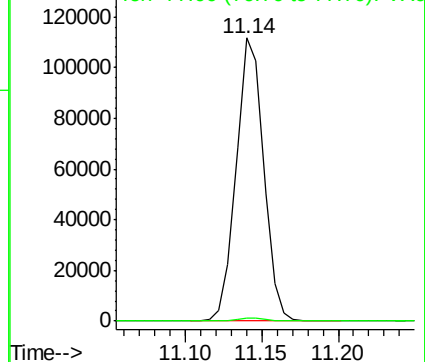
75 100

77 1.0 22.8 68.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#79

2-Chlorotoluene

Concen: Below Cal

RT: 11.52 min Scan# 1793

Delta R.T. 0.09 min

Lab File: VX001948.D

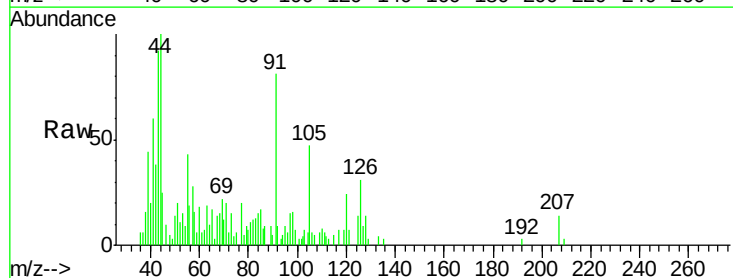
Acq: 24 May 2018 18:29

Tgt Ion: 91 Resp: 2041

Ion Ratio Lower Upper

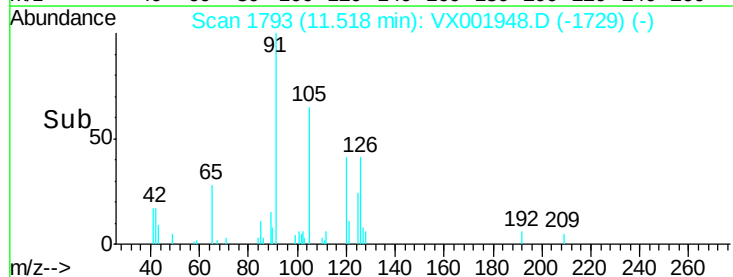
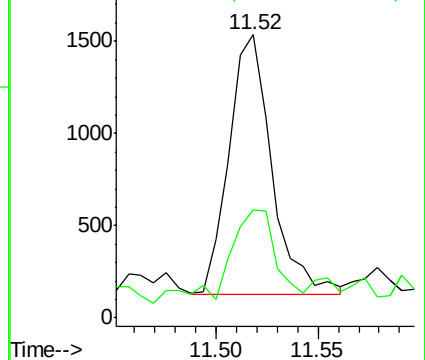
91 100

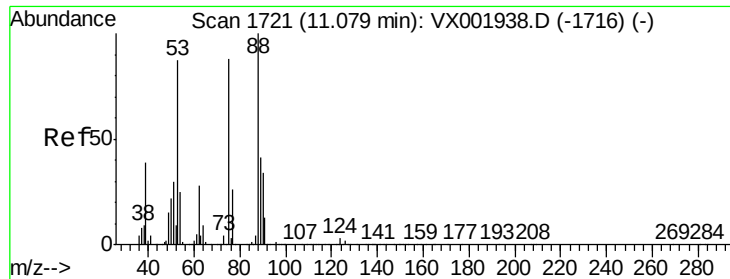
126 33.4 17.4 52.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





#81

trans-1,4-Dichloro-2-butene

Concen: 56.48 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX001948.D

Acq: 24 May 2018 18:29

Instrument :

MSVOA_X

ClientSampleId :

STORAGEBLANK-WATERREF-4

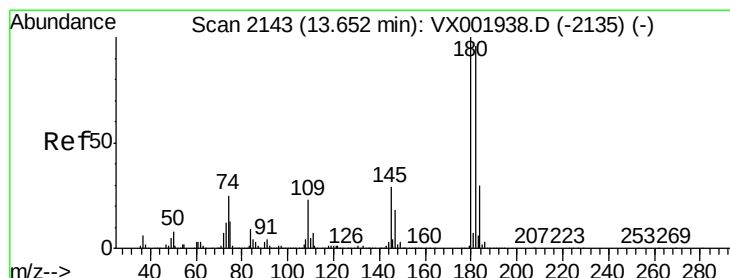
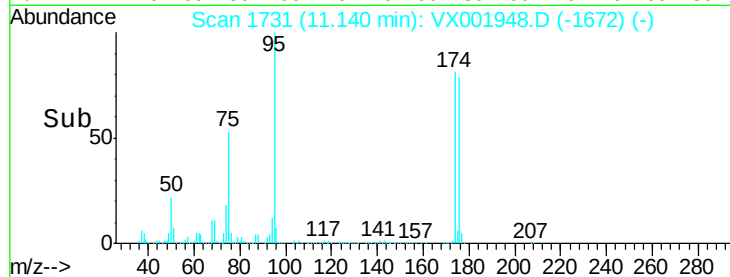
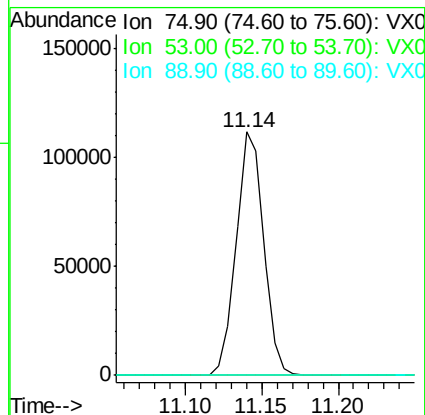
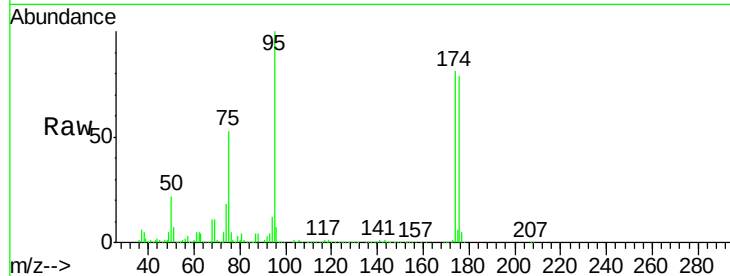
Tgt Ion: 75 Resp: 138538

Ion Ratio Lower Upper

75 100

53 0.1 78.0 117.0#

89 0.0 39.4 59.2#



#93

1,2,4-Trichlorobenzene

Concen: 0.21 ug/l

RT: 13.65 min Scan# 2143

Delta R.T. -0.00 min

Lab File: VX001948.D

Acq: 24 May 2018 18:29

Tgt Ion: 180 Resp: 1538

Ion Ratio Lower Upper

180 100

182 92.1 47.7 143.1

145 44.1 14.4 43.0#

