

Data File : VX001944.D

Acq On : 24 May 2018 16:41

Operator : JC/MD

Sample : J3044-02

Misc : 5.0mL/MSVOA_X/WATER

ALS Vial : 11 Sample Multiplier: 1

Instrument :

MSVOA_X

ClientSampleId :

STORAGEBLANK-WATERREF-5

Quant Time: May 25 03:31:58 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	331733	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	506588	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	459705	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	236344	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	258150	43.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.06%	
35) Dibromofluoromethane	5.51	113	200733	39.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	79.24%	
50) Toluene-d8	8.72	98	713515	38.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	77.80%	
62) 4-Bromofluorobenzene	11.14	95	260477	36.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	72.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	349	Below Cal	#	68
3) Chloromethane	1.32	50	1197	0.23 ug/l	#	60
5) Bromomethane	1.67	94	1655	Below Cal	#	60
10) Methyl Iodide	2.53	142	1510	0.27 ug/l	#	90
11) Tert butyl alcohol	3.09	59	397	0.34 ug/l	#	1
13) Acrolein	2.29	56	537	1.07 ug/l	#	67
16) Acetone	2.45	43	4999	2.18 ug/l	#	82
18) Methyl Acetate	2.79	43	598	Below Cal	#	84
20) Methylene Chloride	2.87	84	1633	Below Cal	#	58
21) trans-1,2-Dichloroethene	3.17	96	479	Below Cal	#	34
28) Bromochloromethane	5.03	49	173	Below Cal	#	58
29) Tetrahydrofuran	5.19	42	1733	0.64 ug/l	#	78
36) 1,1-Dichloropropene	5.67	75	22598	3.21 ug/l	#	53
38) Carbon Tetrachloride	5.67	117	31019	3.77 ug/l	#	15
41) Methacrylonitrile	5.09	41	289	Below Cal	#	68
74) N-amyl acetate	6.46	43	846	Below Cal	#	59
75) 1,1,2,2-Tetrachloroethane	11.28	83	255	Below Cal		81
76) 1,2,3-Trichloropropane	11.14	75	136409	24.03 ug/l	#	33
79) 2-Chlorotoluene	11.23	91	210	Below Cal		88
81) trans-1,4-Dichloro-2-buten	11.14	75	136409	57.75 ug/l	#	10

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

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Instrument :

MSVOA_X

ClientSampleId :

STORAGEBLANK-WATERREF-5

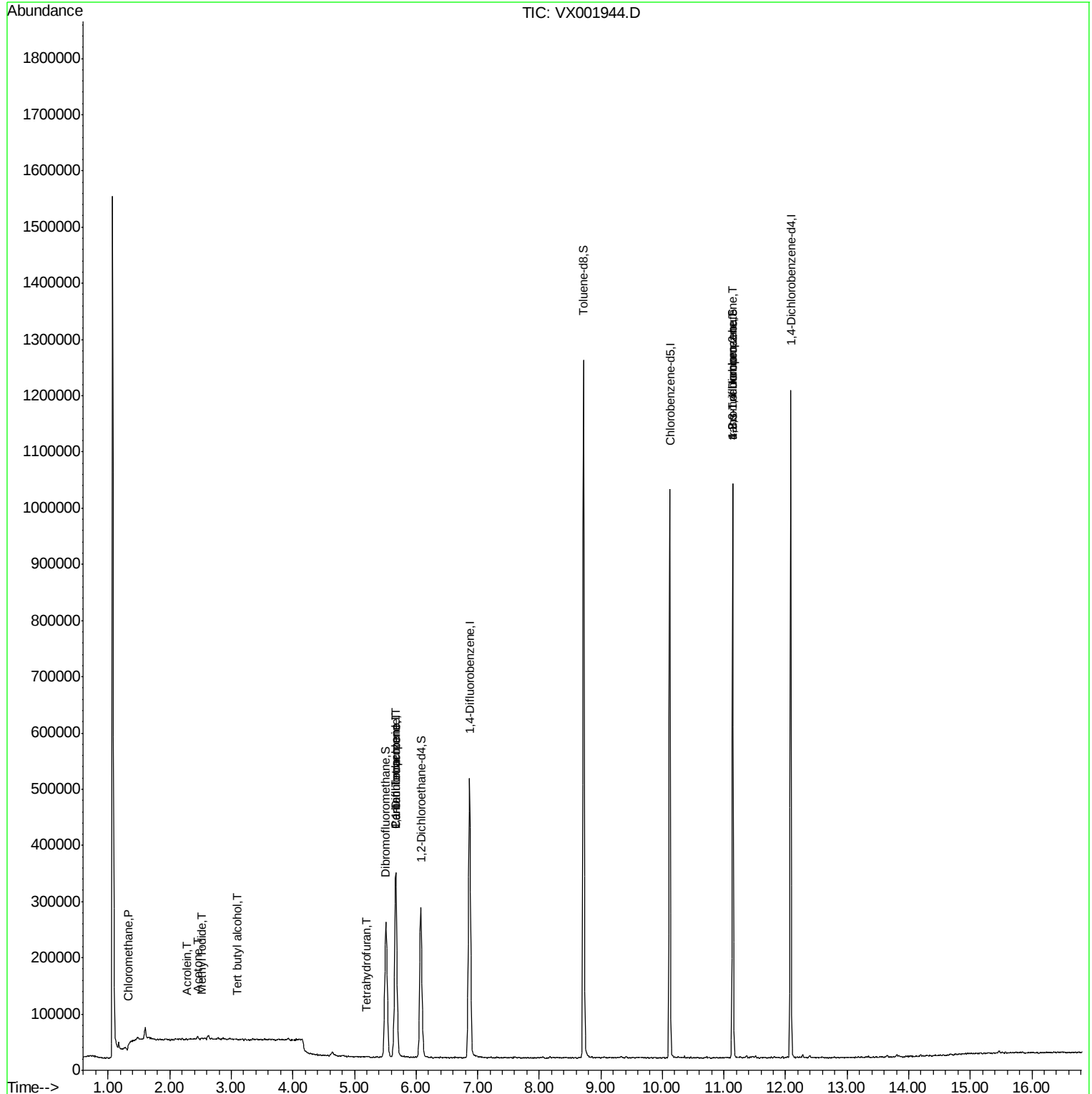
Quant Time: May 25 03:31:58 2018

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: VX001944.D

Acq: 24 May 2018 16:41

Instrument :

MSVOA_X

ClientSampleId :

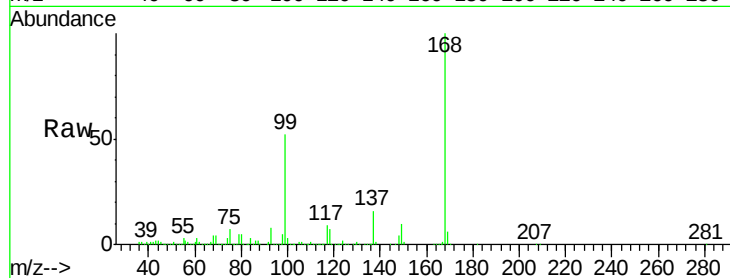
STORAGEBLANK-WATERREF-5

Tgt Ion:168 Resp: 331733

Ion Ratio Lower Upper

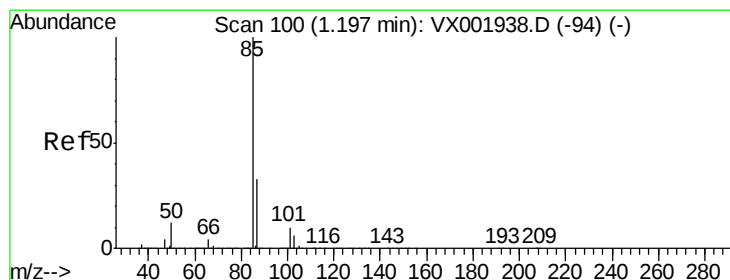
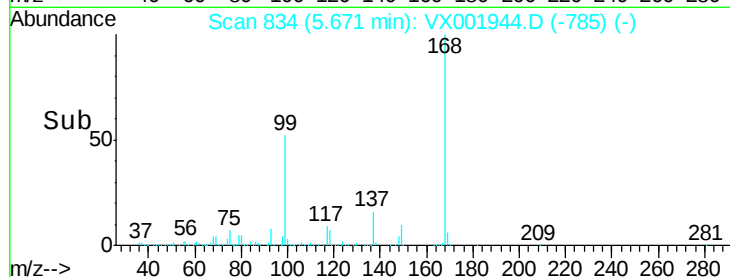
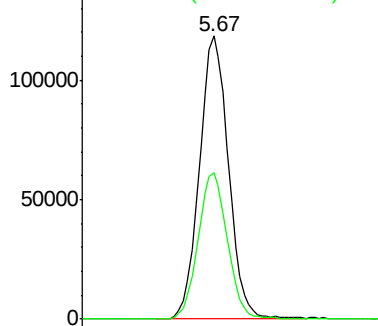
168 100

99 51.8 41.0 61.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX001944.D

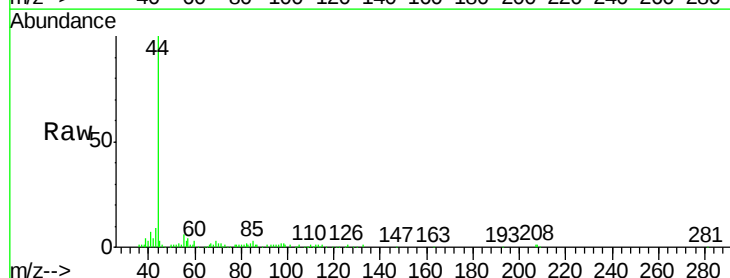
Acq: 24 May 2018 16:41

Tgt Ion: 85 Resp: 349

Ion Ratio Lower Upper

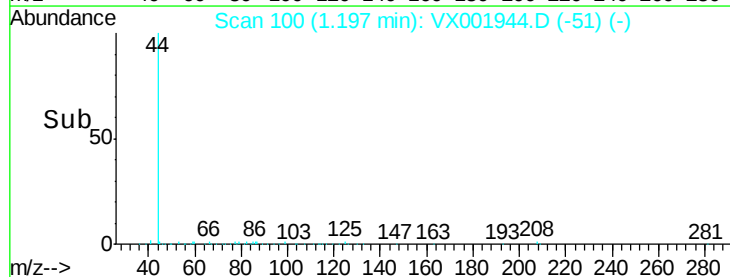
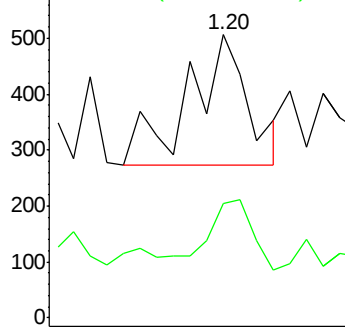
85 100

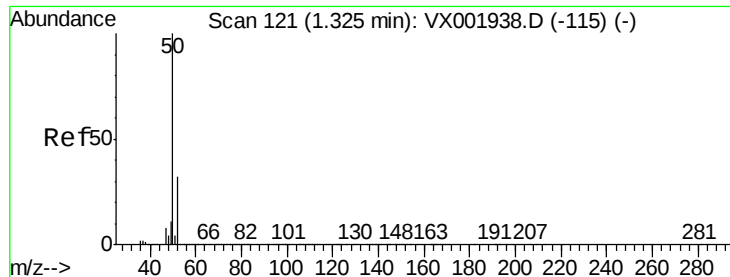
87 51.3 16.7 50.0#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 0.23 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX001944.D

Acq: 24 May 2018 16:41

Instrument :

MSVOA_X

ClientSampleId :

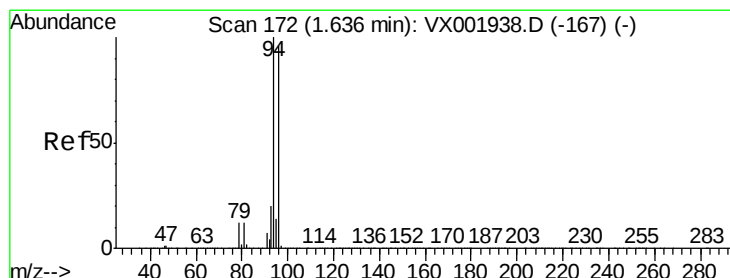
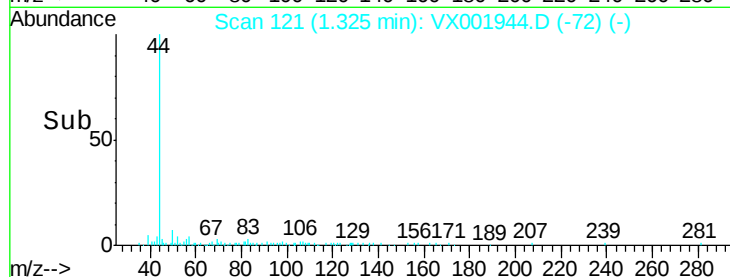
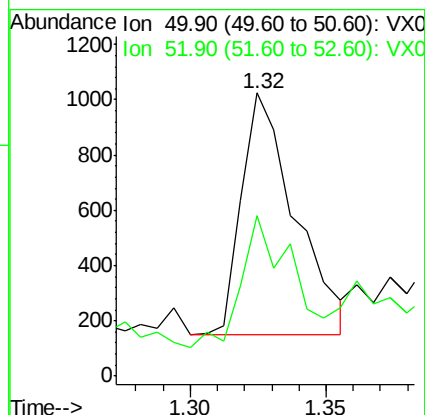
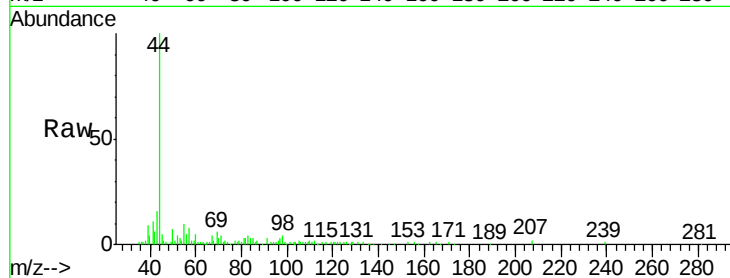
STORAGEBLANK-WATERREF-5

Tgt Ion: 50 Resp: 1197

Ion Ratio Lower Upper

50 100

52 54.7 26.0 39.0#



#5

Bromomethane

Concen: Below Cal

RT: 1.67 min Scan# 177

Delta R.T. 0.03 min

Lab File: VX001944.D

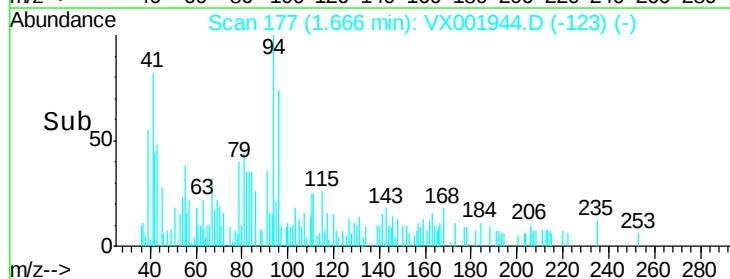
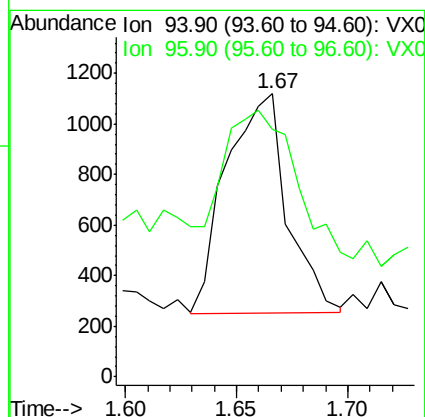
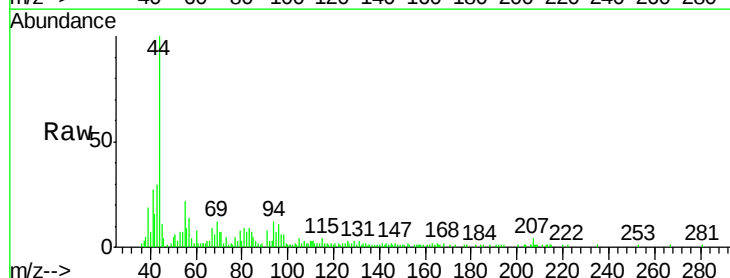
Acq: 24 May 2018 16:41

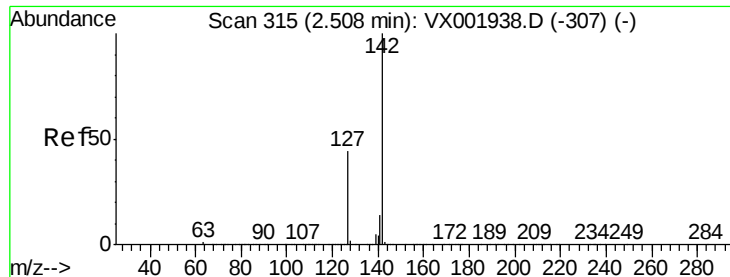
Tgt Ion: 94 Resp: 1655

Ion Ratio Lower Upper

94 100

96 56.1 75.9 113.9#

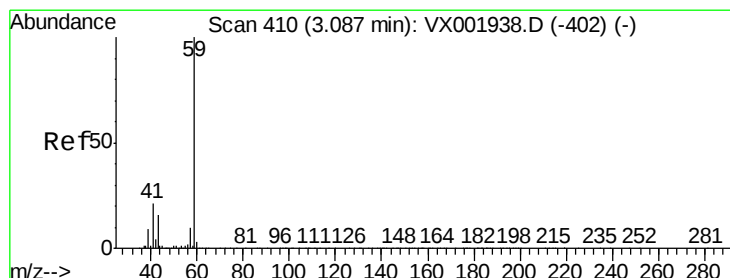
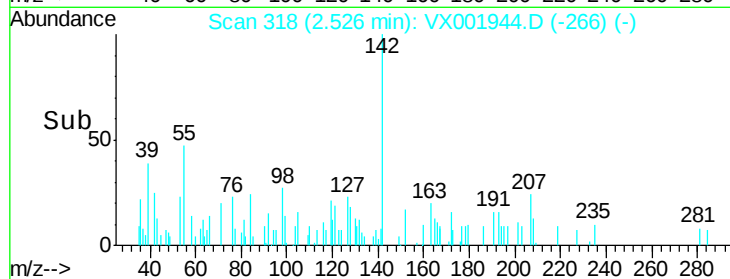
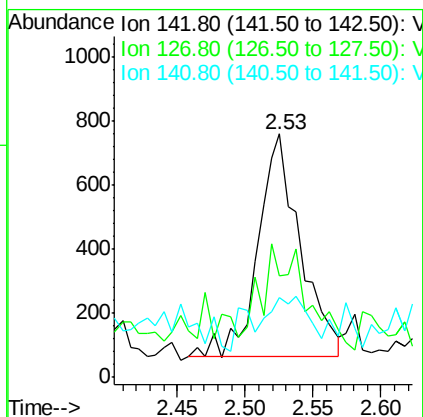
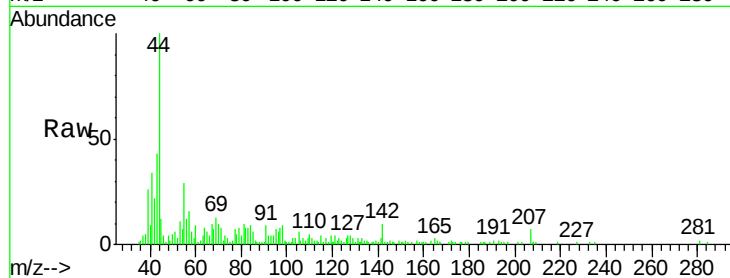




#10
Methyl Iodide
Concen: 0.27 ug/l
RT: 2.53 min Scan# 318
Delta R.T. 0.02 min
Lab File: VX001944.D
Acq: 24 May 2018 16:41

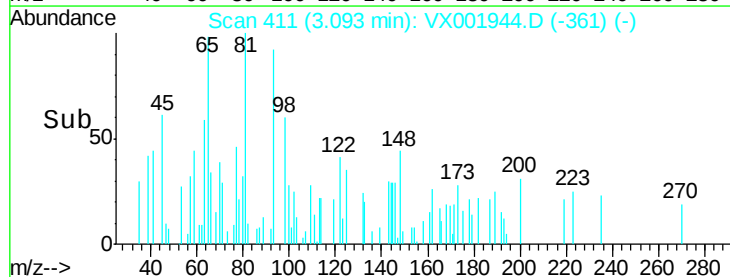
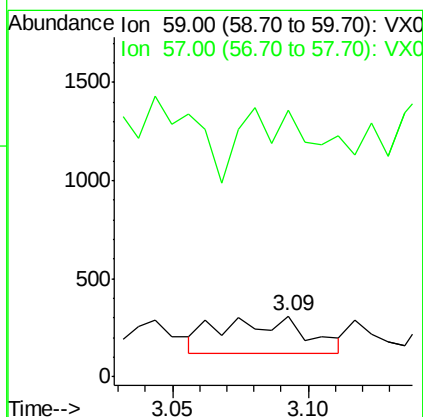
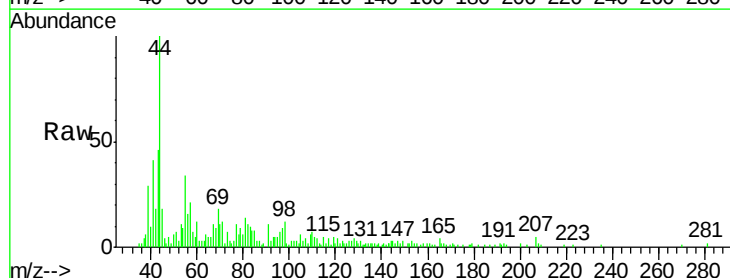
Instrument :
MSVOA_X
ClientSampleId :
STORAGEBLANK-WATERREF-5

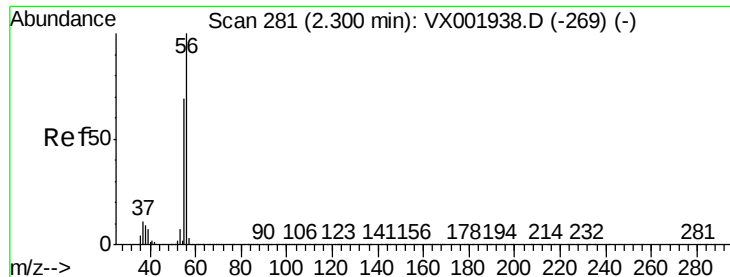
Tgt Ion: 142 Resp: 1510
Ion Ratio Lower Upper
142 100
127 50.3 35.5 53.3
141 19.3 11.3 16.9#



#11
Tert butyl alcohol
Concen: 0.34 ug/l
RT: 3.09 min Scan# 411
Delta R.T. 0.01 min
Lab File: VX001944.D
Acq: 24 May 2018 16:41

Tgt Ion: 59 Resp: 397
Ion Ratio Lower Upper
59 100
57 150.9 8.9 13.3#

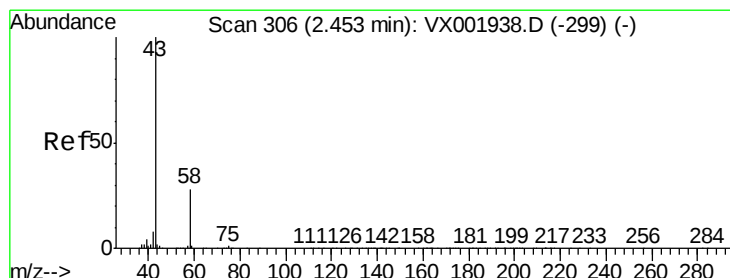
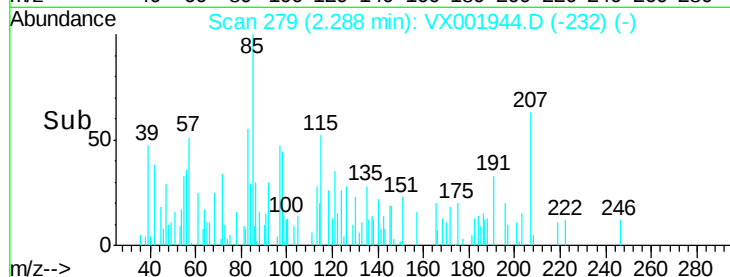
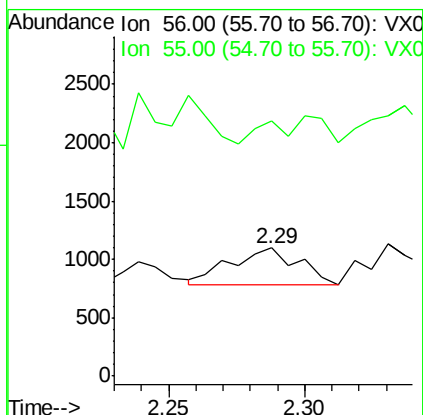
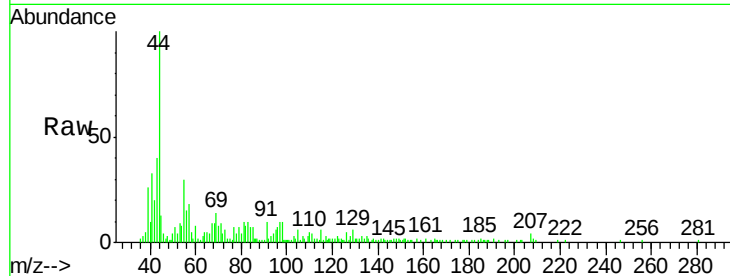




#13
Acrolein
Concen: 1.07 ug/l
RT: 2.29 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX001944.D
Acq: 24 May 2018 16:41

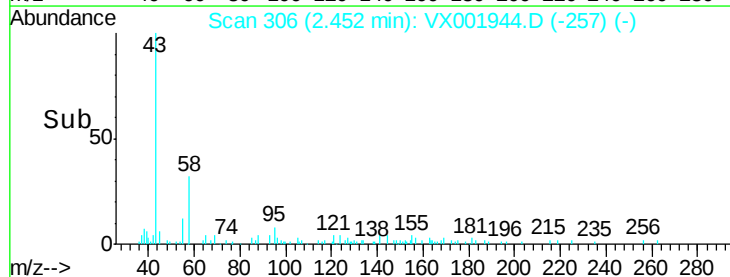
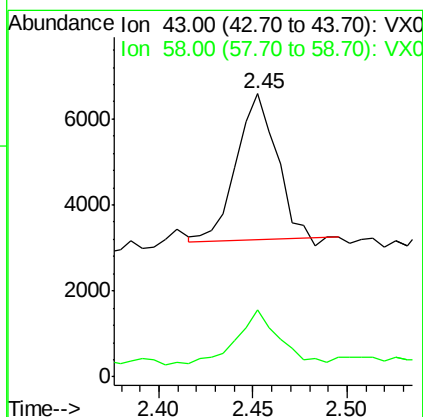
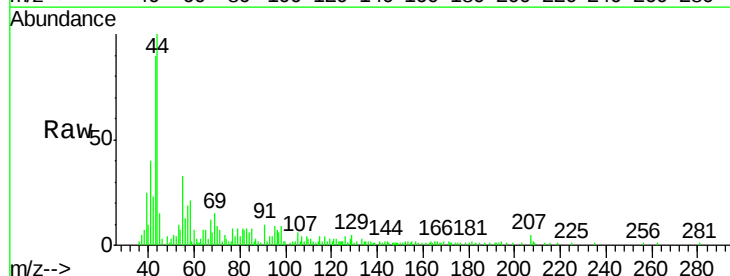
Instrument :
MSVOA_X
ClientSampleId :
STORAGEBLANK-WATERREF-5

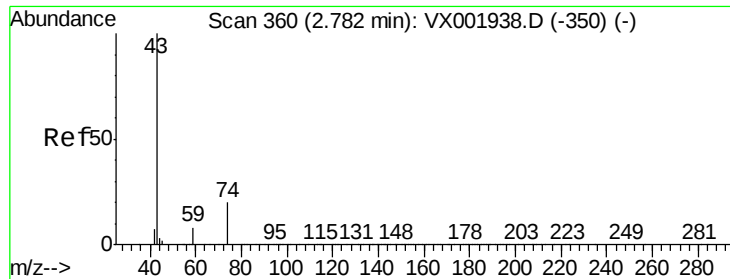
Tgt Ion: 56 Resp: 537
Ion Ratio Lower Upper
56 100
55 43.4 56.8 85.2#



#16
Acetone
Concen: 2.18 ug/l
RT: 2.45 min Scan# 306
Delta R.T. -0.00 min
Lab File: VX001944.D
Acq: 24 May 2018 16:41

Tgt Ion: 43 Resp: 4999
Ion Ratio Lower Upper
43 100
58 37.4 22.3 33.5#

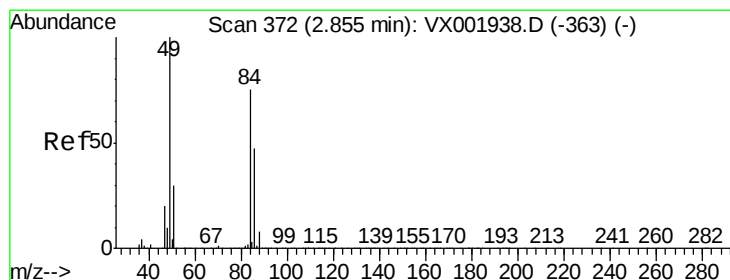
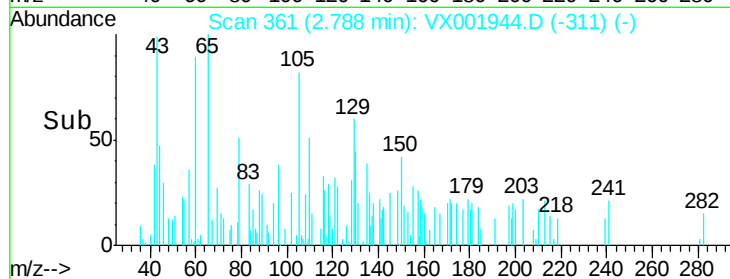
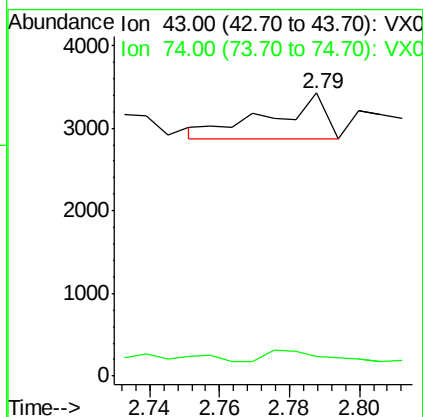
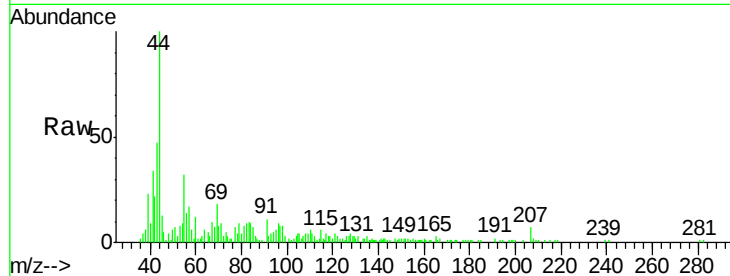




#18
Methyl Acetate
Concen: Below Cal
RT: 2.79 min Scan# 361
Delta R.T. 0.01 min
Lab File: VX001944.D
Acq: 24 May 2018 16:41

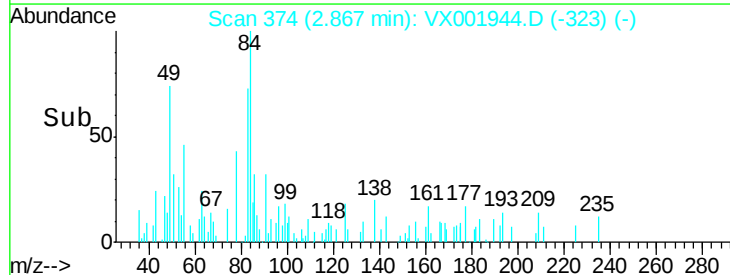
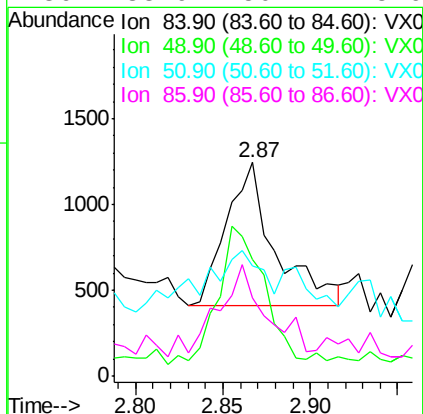
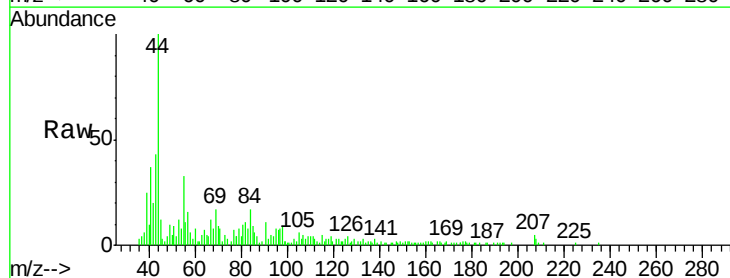
Instrument :
MSVOA_X
ClientSampleId :
STORAGEBLANK-WATERREF-5

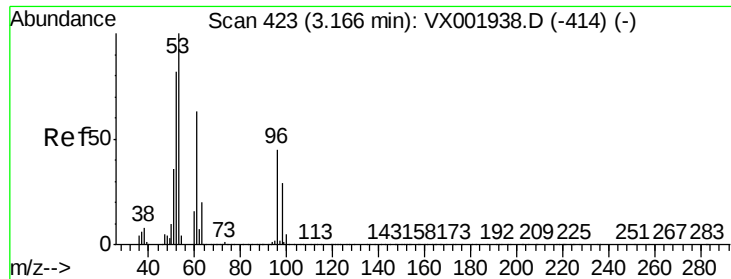
Tgt Ion: 43 Resp: 598
Ion Ratio Lower Upper
43 100
74 28.3 16.8 25.2#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.87 min Scan# 374
Delta R.T. 0.01 min
Lab File: VX001944.D
Acq: 24 May 2018 16:41

Tgt Ion: 84 Resp: 1633
Ion Ratio Lower Upper
84 100
49 70.6 107.2 160.8#
51 28.3 32.4 48.6#
86 38.9 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: VX001944.D

Acq: 24 May 2018 16:41

Instrument :

MSVOA_X

ClientSampleId :

STORAGEBLANK-WATERREF-5

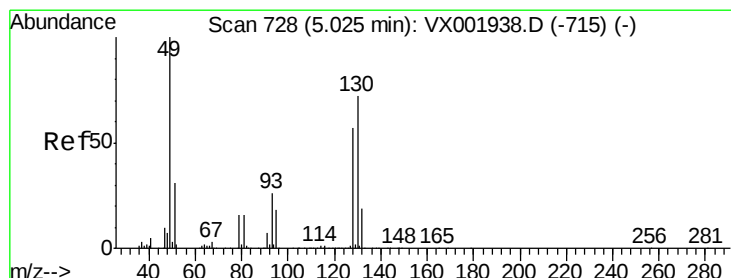
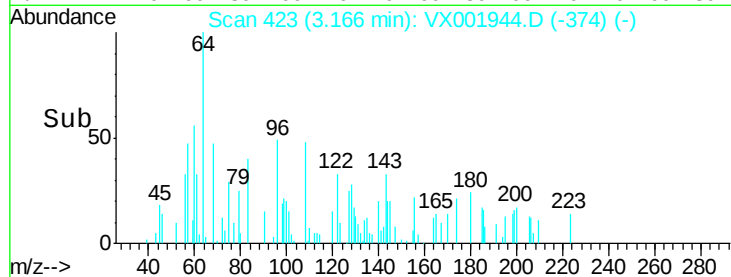
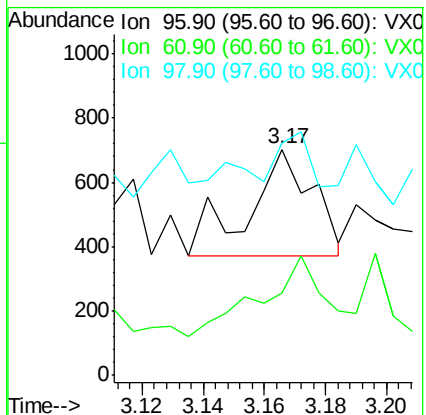
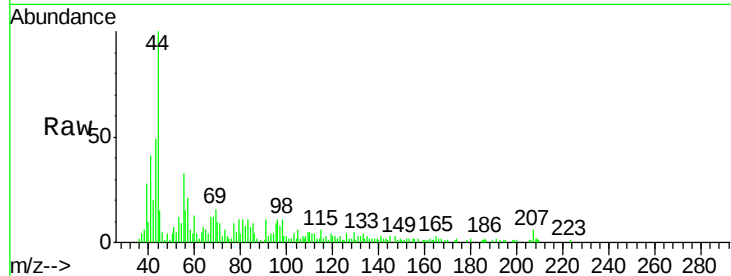
Tgt Ion: 96 Resp: 479

Ion Ratio Lower Upper

96 100

61 41.0 113.3 169.9#

98 39.2 51.7 77.5#



#28

Bromochloromethane

Concen: Below Cal

RT: 5.03 min Scan# 728

Delta R.T. 0.00 min

Lab File: VX001944.D

Acq: 24 May 2018 16:41

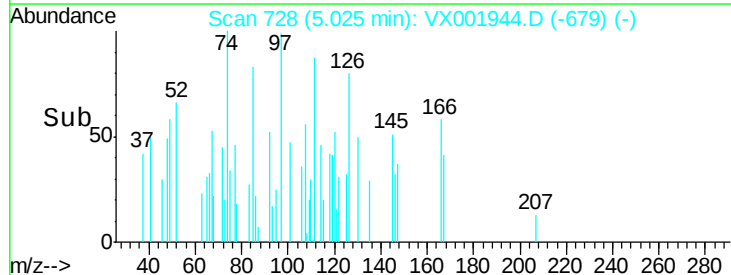
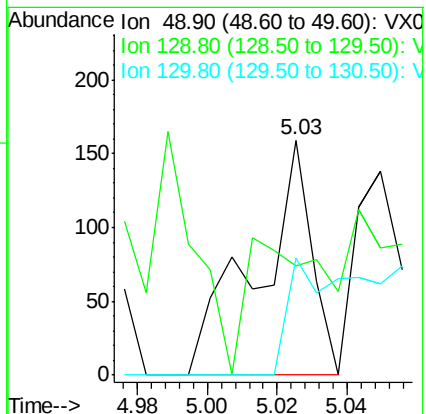
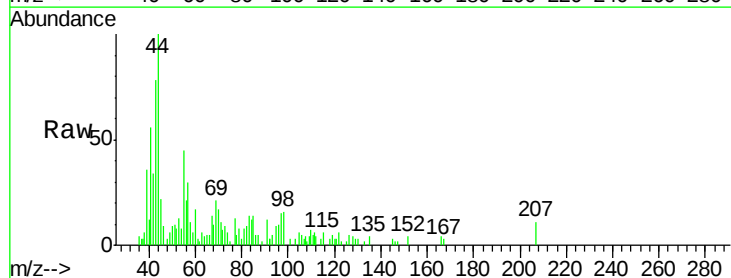
Tgt Ion: 49 Resp: 173

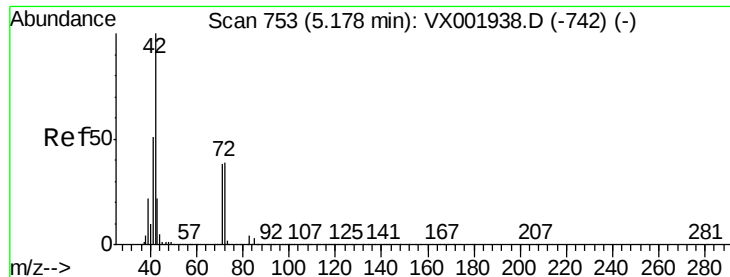
Ion Ratio Lower Upper

49 100

129 81.5 0.0 3.8#

130 42.2 59.4 89.2#





#29

Tetrahydrofuran

Concen: 0.64 ug/l

RT: 5.19 min Scan# 755

Delta R.T. 0.01 min

Lab File: VX001944.D

Acq: 24 May 2018 16:41

Instrument :

MSVOA_X

ClientSampleId :

STORAGEBLANK-WATERREF-5

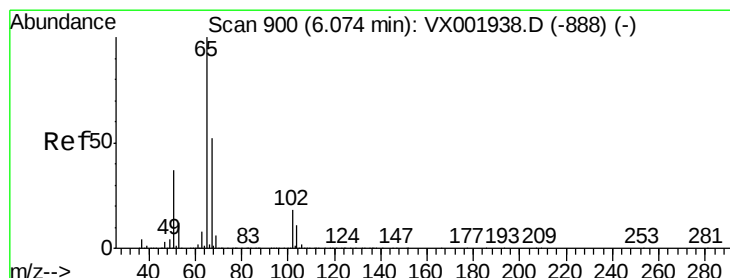
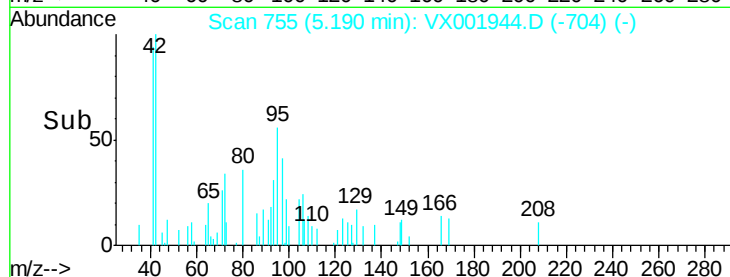
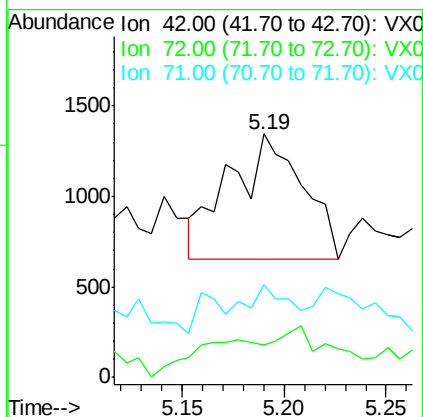
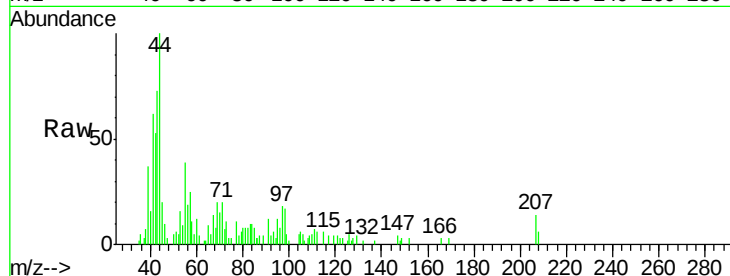
Tgt Ion: 42 Resp: 1733

Ion Ratio Lower Upper

42 100

72 29.8 31.4 47.0#

71 20.2 29.5 44.3#



#33

1,2-Dichloroethane-d4

Concen: 43.53 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.00 min

Lab File: VX001944.D

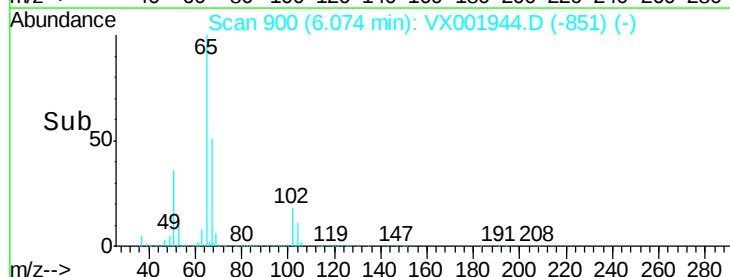
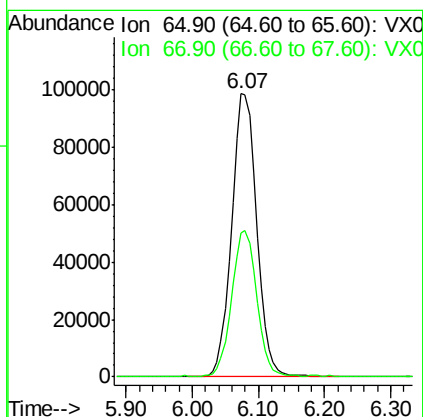
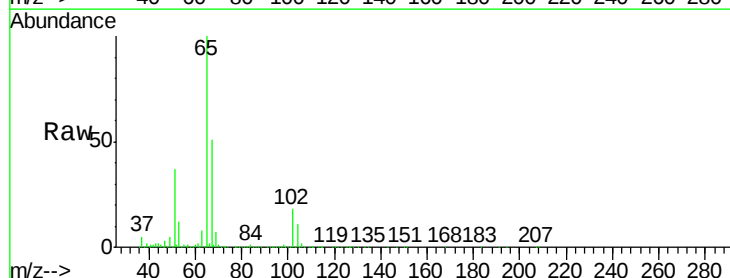
Acq: 24 May 2018 16:41

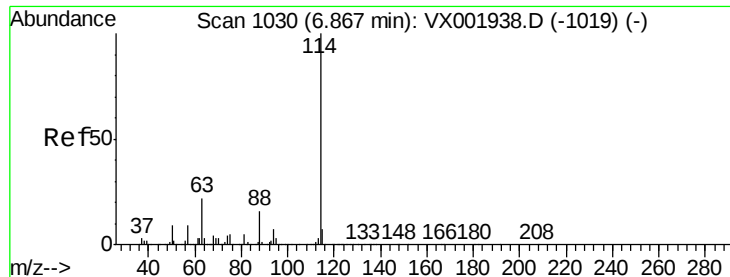
Tgt Ion: 65 Resp: 258150

Ion Ratio Lower Upper

65 100

67 51.5 0.0 104.0

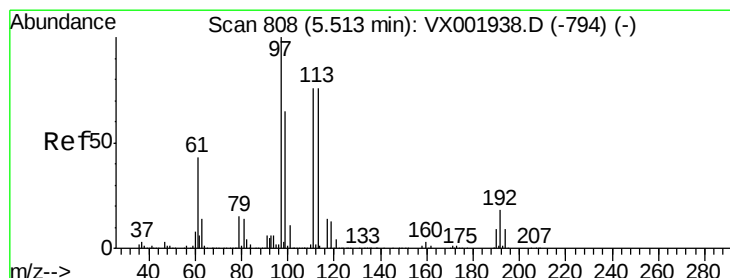
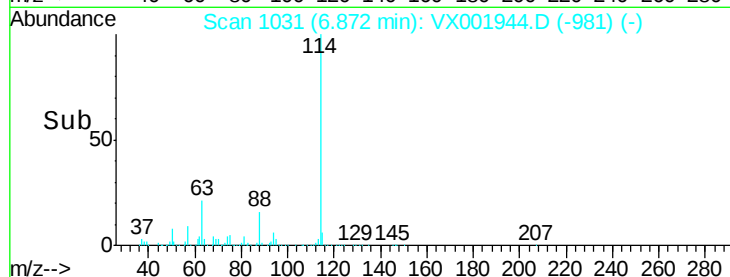
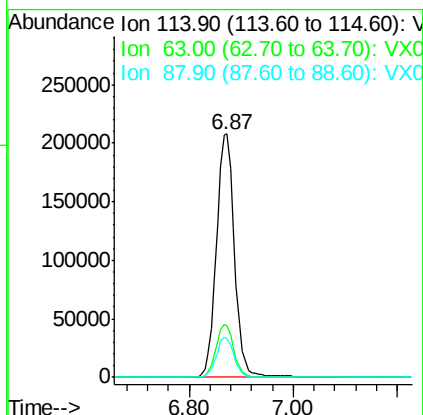
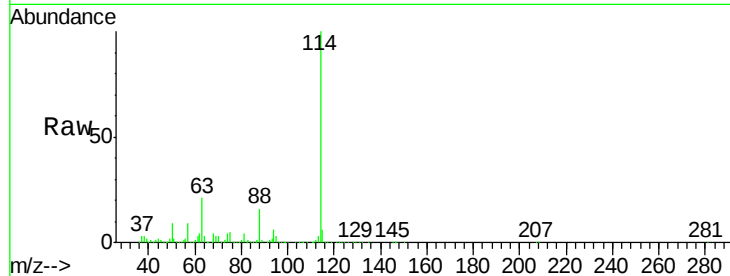




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. 0.01 min
 Lab File: VX001944.D
 Acq: 24 May 2018 16:41

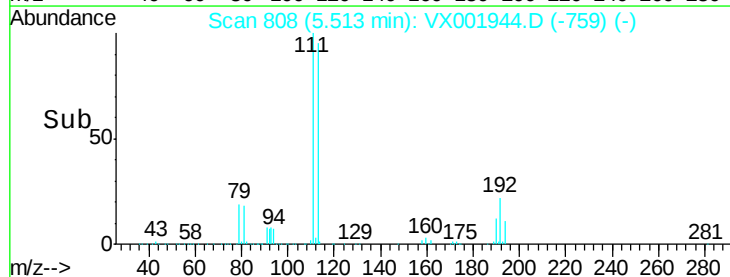
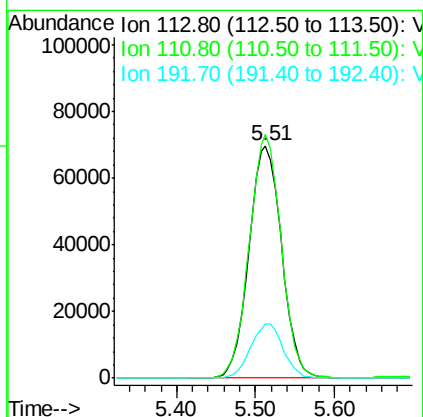
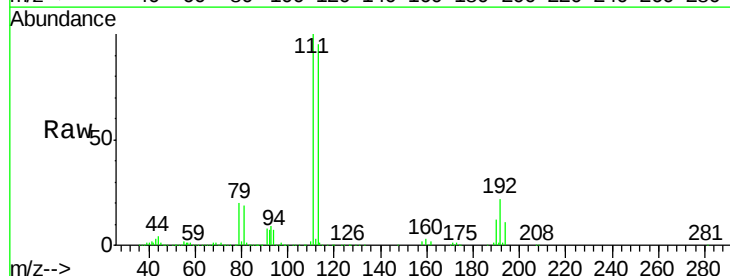
Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGEBLANK-WATERREF-5

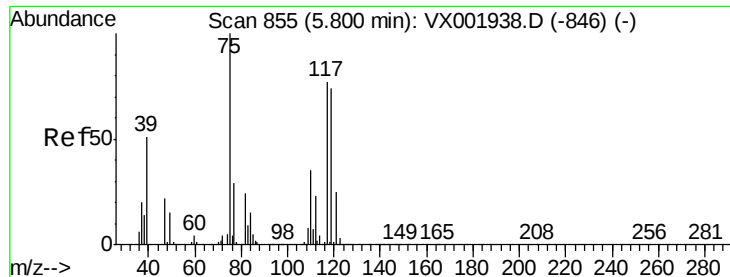
Tgt Ion:114 Resp: 506588
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 43.2
 88 16.0 0.0 31.6



#35
 Dibromofluoromethane
 Concen: 39.62 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. -0.00 min
 Lab File: VX001944.D
 Acq: 24 May 2018 16:41

Tgt Ion:113 Resp: 200733
 Ion Ratio Lower Upper
 113 100
 111 102.4 82.0 123.0
 192 23.3 18.9 28.3

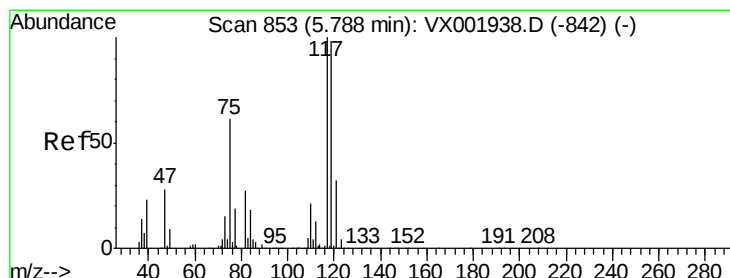
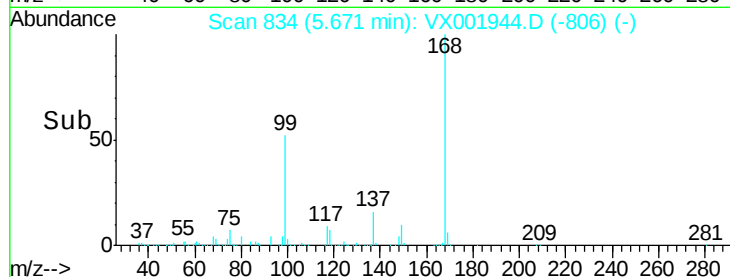
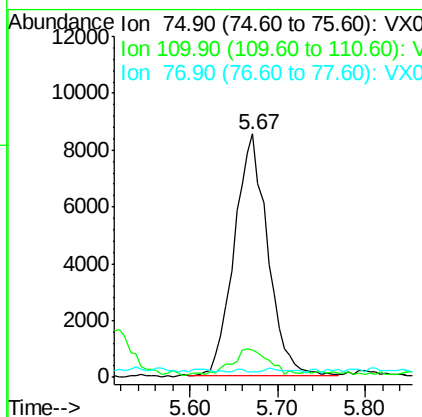
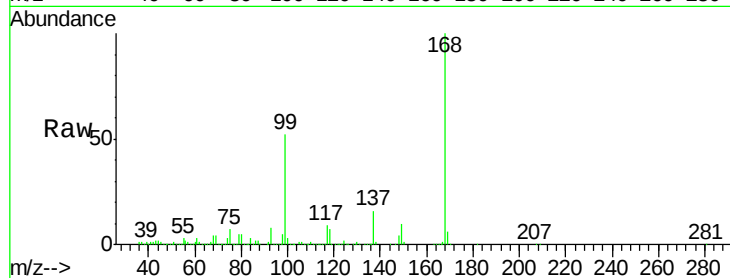




#36
 1,1-Dichloropropene
 Concen: 3.21 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.13 min
 Lab File: VX001944.D
 Acq: 24 May 2018 16:41

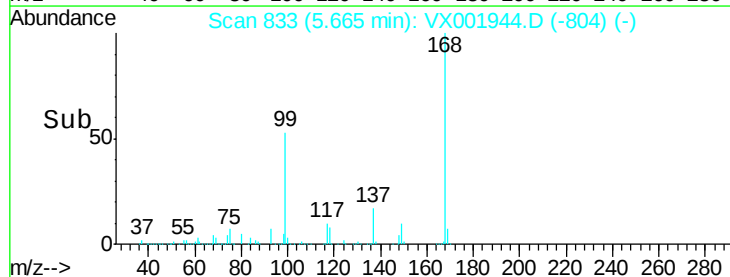
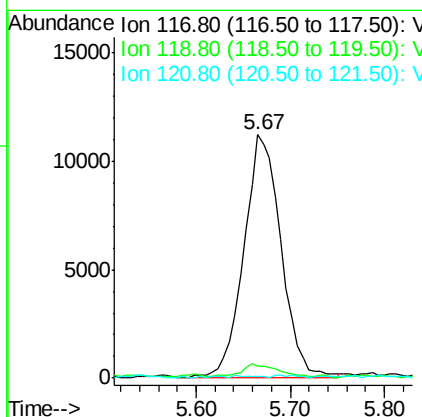
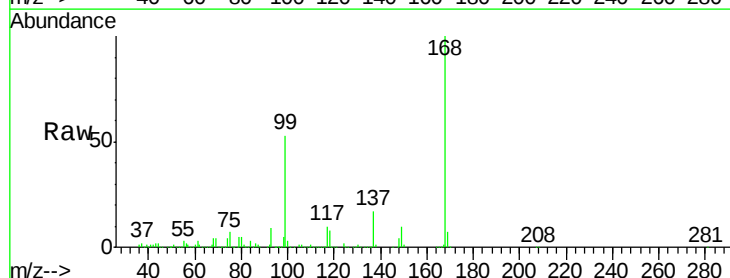
Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGEBLANK-WATERREF-5

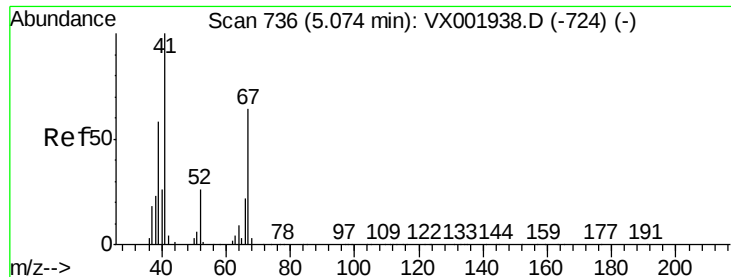
Tgt Ion: 75 Resp: 22598
 Ion Ratio Lower Upper
 75 100
 110 11.7 17.4 52.2#
 77 0.3 24.4 36.6#



#38
 Carbon Tetrachloride
 Concen: 3.77 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.12 min
 Lab File: VX001944.D
 Acq: 24 May 2018 16:41

Tgt Ion: 117 Resp: 31019
 Ion Ratio Lower Upper
 117 100
 119 5.0 78.5 117.7#
 121 0.8 25.5 38.3#

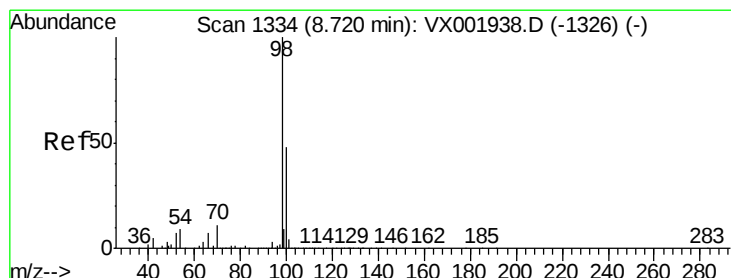
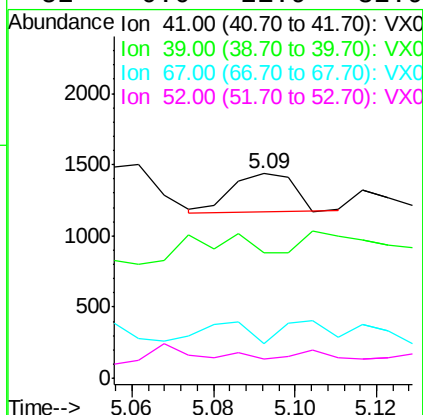
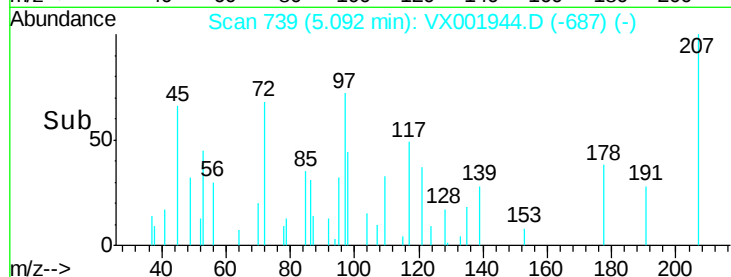
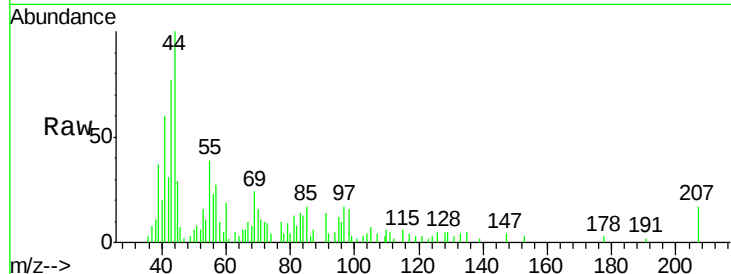




#41
Methacrylonitrile
Concen: Below Cal
RT: 5.09 min Scan# 739
Delta R.T. 0.02 min
Lab File: VX001944.D
Acq: 24 May 2018 16:41

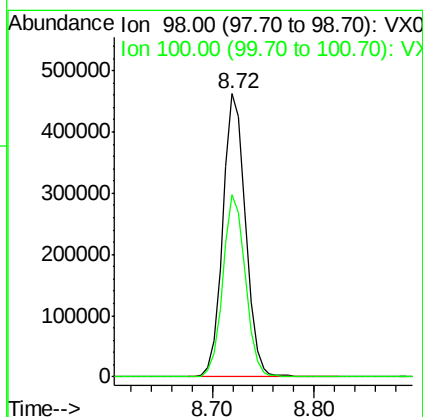
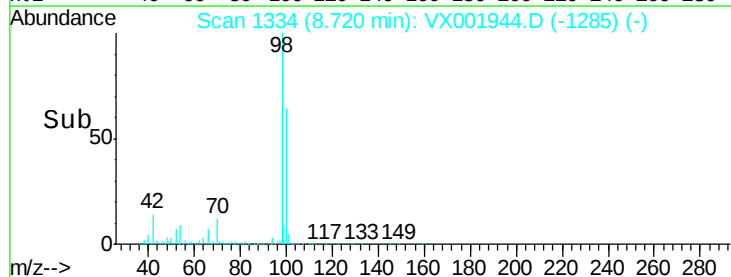
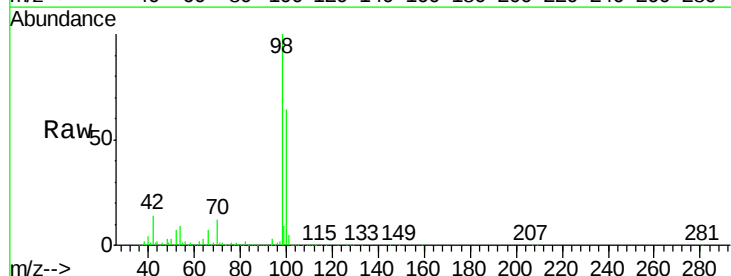
Instrument :
MSVOA_X
ClientSampleId :
STORAGEBLANK-WATERREF-5

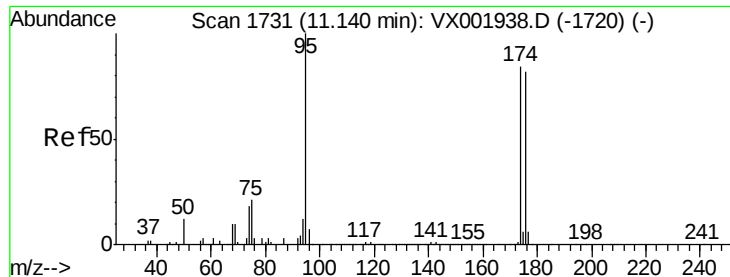
Tgt Ion:	41	Resp:	289
Ion	Ratio	Lower	Upper
41	100		
39	78.9	46.0	69.0#
67	42.6	50.6	75.8#
52	0.0	21.9	32.9#



#50
Toluene-d8
Concen: 38.90 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX001944.D
Acq: 24 May 2018 16:41

Tgt Ion:	98	Resp:	713515
Ion	Ratio	Lower	Upper
98	100		
100	63.8	51.5	77.3





#62

4-Bromofluorobenzene

Concen: 36.30 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX001944.D

Acq: 24 May 2018 16:41

Instrument :

MSVOA_X

ClientSampleId :

STORAGEBLANK-WATERREF-5

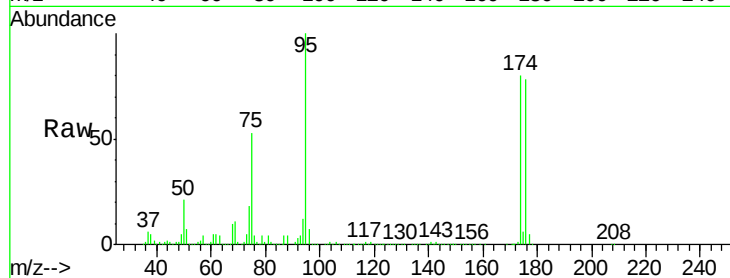
Tgt Ion: 95 Resp: 260477

Ion Ratio Lower Upper

95 100

174 89.3 0.0 178.8

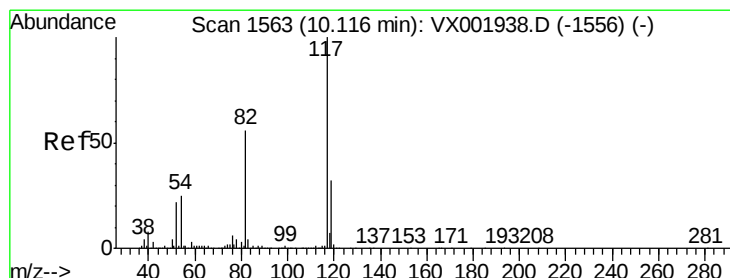
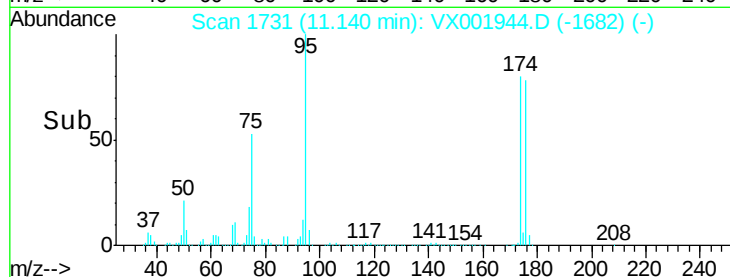
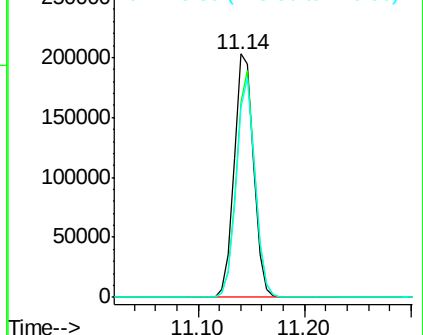
176 86.9 0.0 175.6



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



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1564

Delta R.T. 0.01 min

Lab File: VX001944.D

Acq: 24 May 2018 16:41

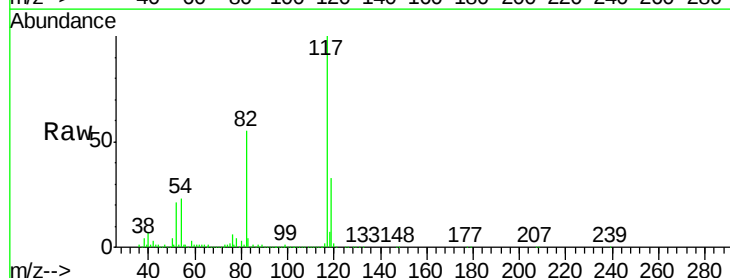
Tgt Ion: 117 Resp: 459705

Ion Ratio Lower Upper

117 100

82 55.3 44.8 67.2

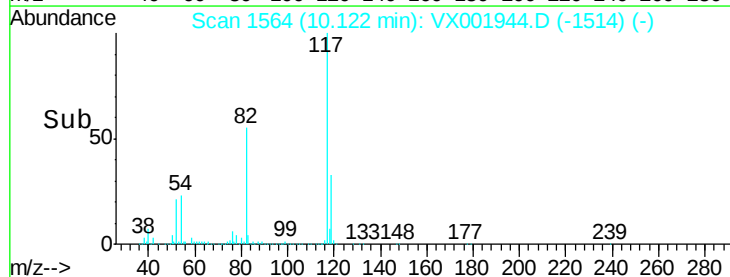
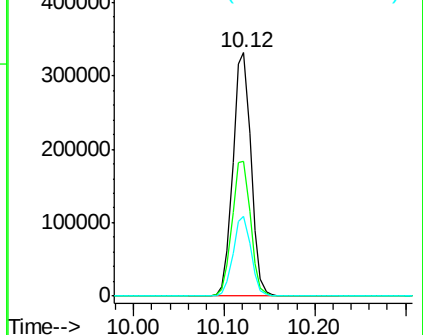
119 32.8 25.5 38.3

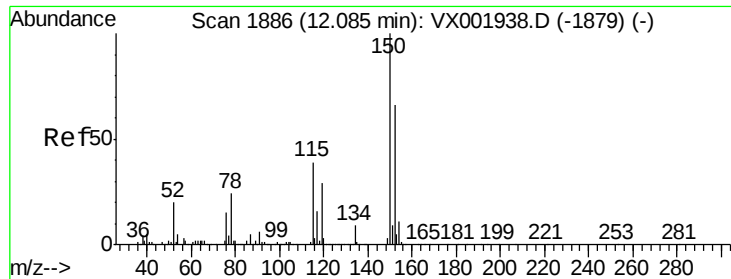


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



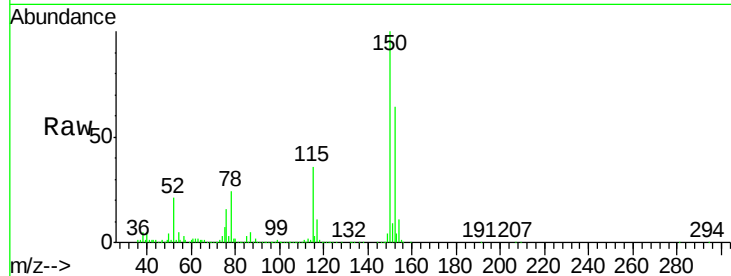


#72

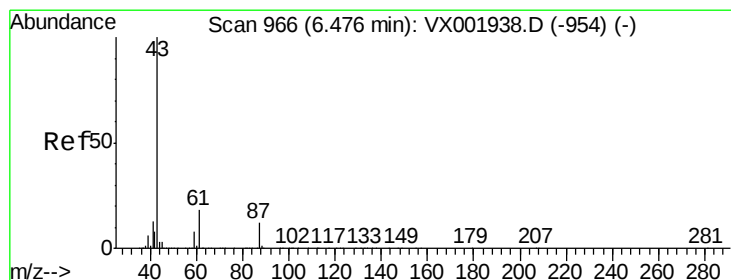
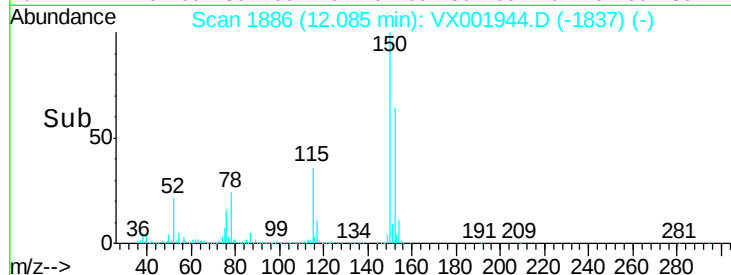
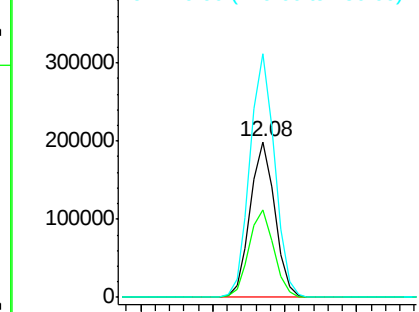
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX001944.D
Acq: 24 May 2018 16:41

Instrument :
MSVOA_X
ClientSampleId :
STORAGEBLANK-WATERREF-5

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.5	42.3	126.8
150	157.2	0.0	351.0



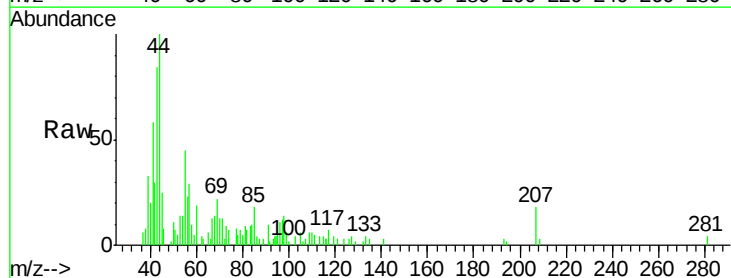
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



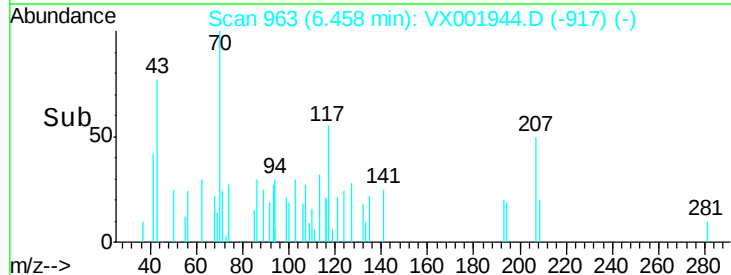
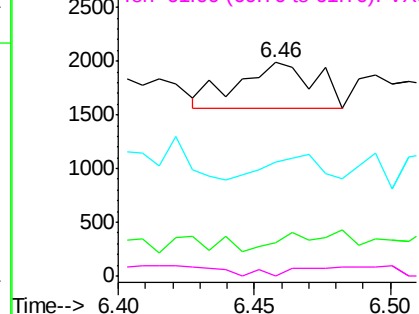
#74

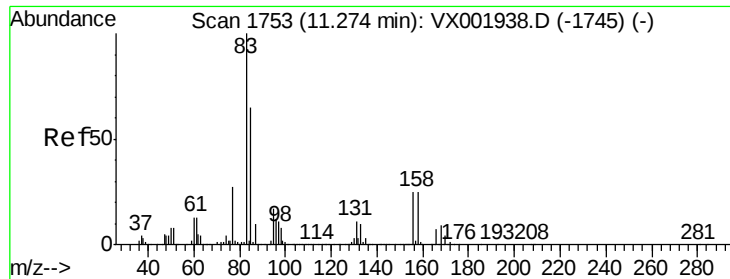
N-ethyl acetate
Concen: Below Cal
RT: 6.46 min Scan# 963
Delta R.T. -0.02 min
Lab File: VX001944.D
Acq: 24 May 2018 16:41

Tgt Ion	Ratio	Lower	Upper
43	100		
70	24.2	0.1	0.1#
55	48.3	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: 11.28 min Scan# 1754

Delta R.T. 0.01 min

Lab File: VX001944.D

Acq: 24 May 2018 16:41

Instrument :

MSVOA_X

ClientSampleId :

STORAGEBLANK-WATERREF-5

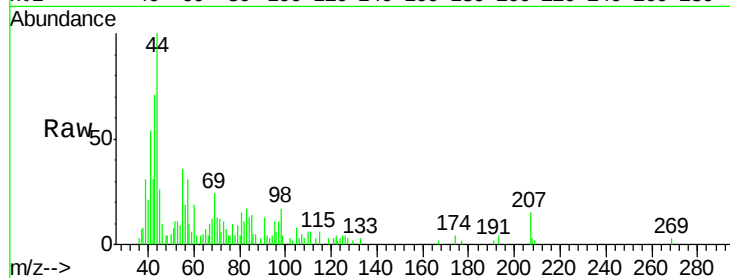
Tgt Ion: 83 Resp: 255

Ion Ratio Lower Upper

83 100

131 8.2 5.7 17.0

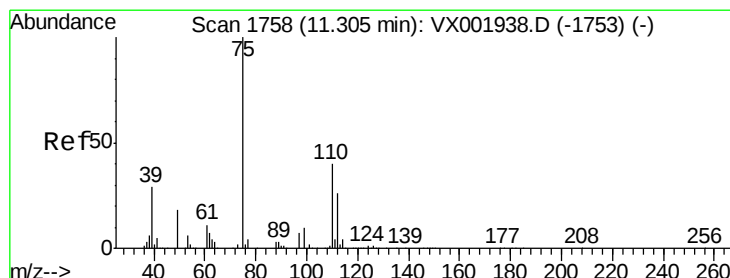
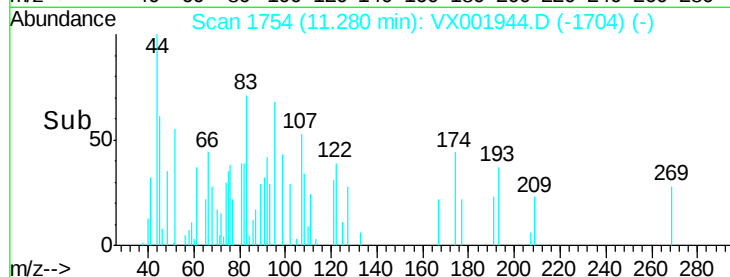
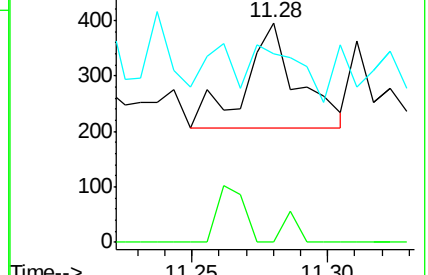
85 48.2 32.6 97.7



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 24.03 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001944.D

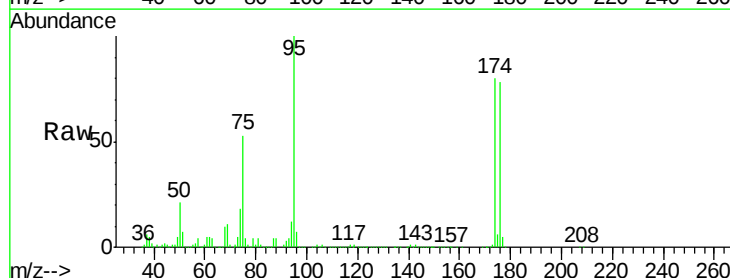
Acq: 24 May 2018 16:41

Tgt Ion: 75 Resp: 136409

Ion Ratio Lower Upper

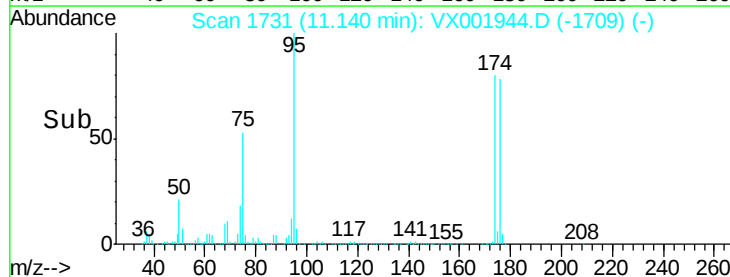
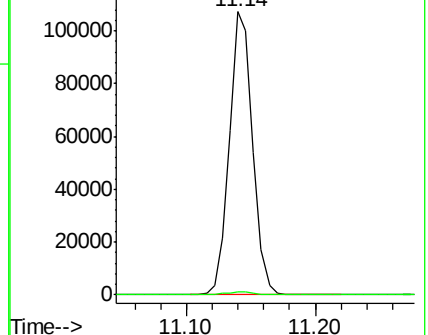
75 100

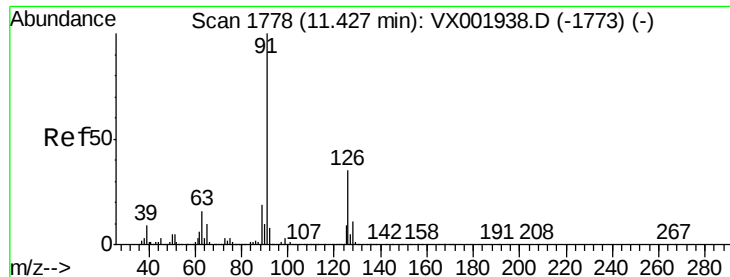
77 1.4 22.8 68.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

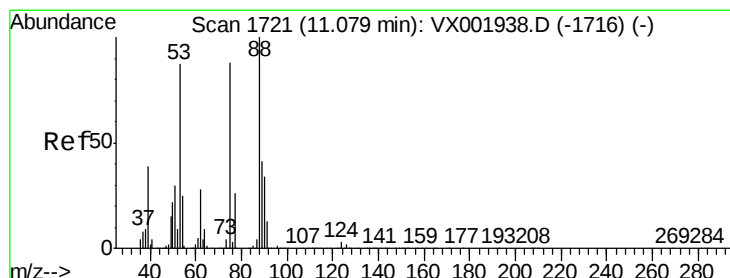
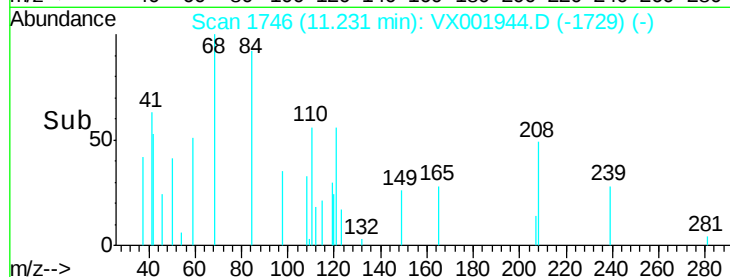
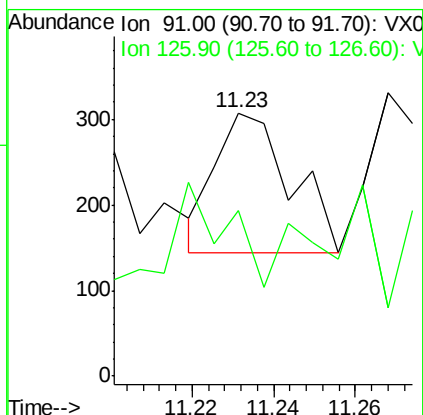
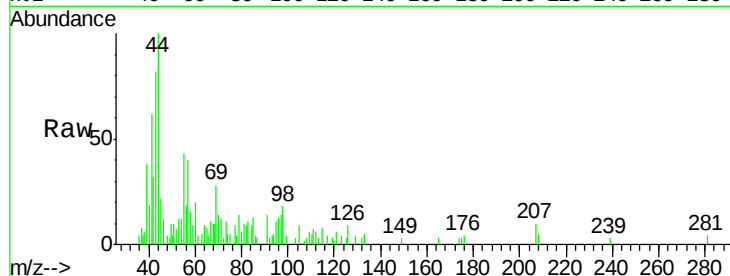




#79
2-Chlorotoluene
Concen: Below Cal
RT: 11.23 min Scan# 1746
Delta R.T. -0.19 min
Lab File: VX001944.D
Acq: 24 May 2018 16:41

Instrument :
MSVOA_X
ClientSampleId :
STORAGEBLANK-WATERREF-5

Tgt Ion: 91 Resp: 210
Ion Ratio Lower Upper
91 100
126 28.1 17.4 52.2



#81
trans-1,4-Dichloro-2-butene
Concen: 57.75 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.06 min
Lab File: VX001944.D
Acq: 24 May 2018 16:41

Tgt Ion: 75 Resp: 136409
Ion Ratio Lower Upper
75 100
53 0.1 78.0 117.0#
89 0.1 39.4 59.2#

