

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX032118\
 Data File : VX000391.D
 Acq On : 21 Mar 2018 17:44
 Operator : JC/MD
 Sample : J1962-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGEBLANK-WATERREF-4

Quant Time: Mar 22 05:30:35 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X032018W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 21 04:52:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	99171	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	172647	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	164386	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	78425	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.08	65	68572	52.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.94%	
35) Dibromofluoromethane	5.51	113	53975	49.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.24%	
50) Toluene-d8	8.73	98	215925	47.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.86%	
62) 4-Bromofluorobenzene	11.15	95	71398	39.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	78.10%	

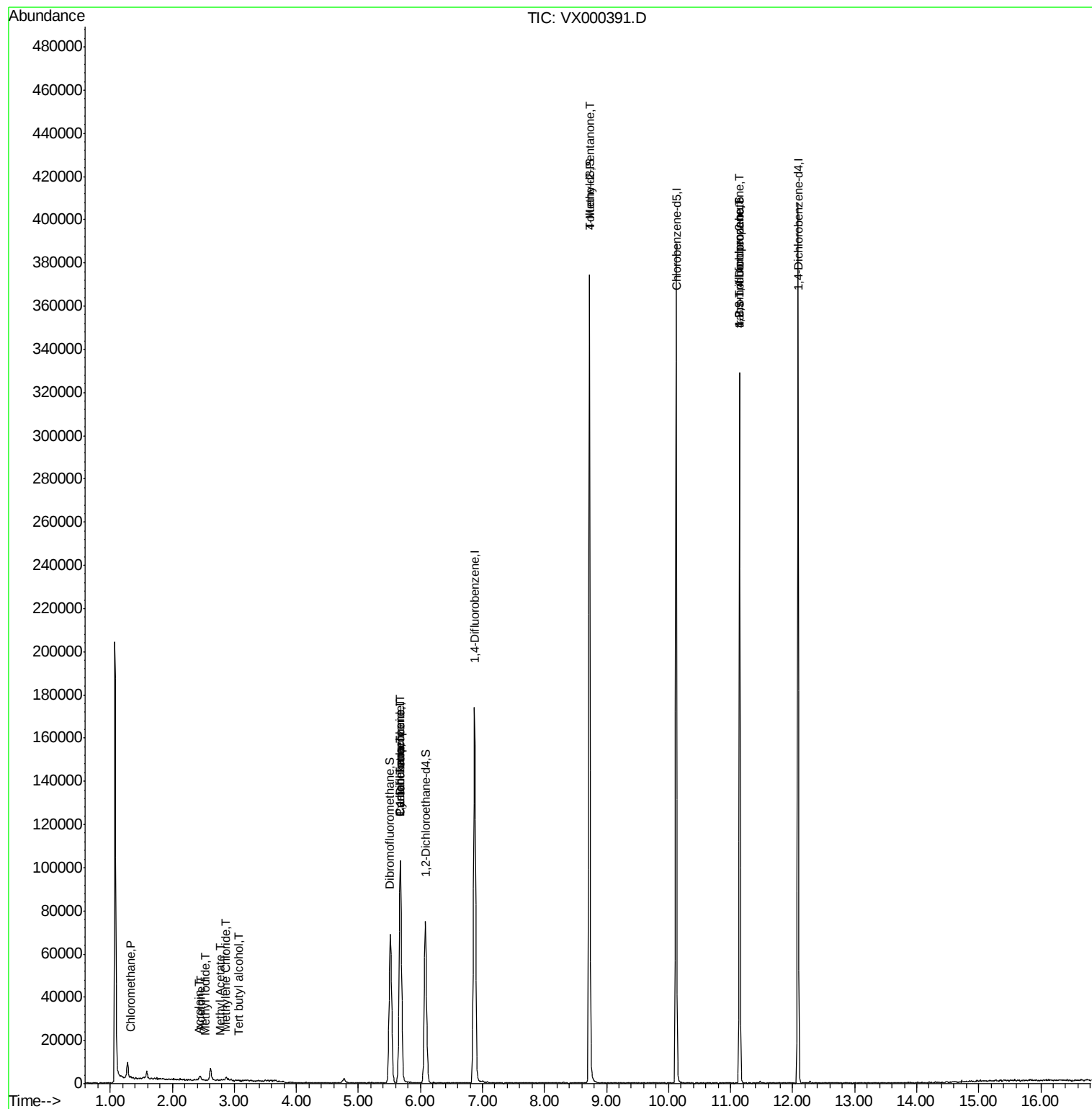
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	242	0.21	ug/l #	76
6) Chloroethane	1.73	64	380	Below Cal	#	44
10) Methyl Iodide	2.53	142	35	4.30	ug/l #	37
11) Tert butyl alcohol	3.07	59	99	0.22	ug/l #	72
13) Acrolein	2.42	56	23	14.73	ug/l #	13
14) Allyl chloride	2.72	41	116	Below Cal	#	22
16) Acetone	2.45	43	2208	2.05	ug/l	90
18) Methyl Acetate	2.78	43	498	0.22	ug/l #	51
20) Methylene Chloride	2.87	84	573	0.46	ug/l #	52
31) Cyclohexane	5.67	56	2463	1.51	ug/l #	23
36) 1,1-Dichloropropene	5.67	75	7989	4.94	ug/l #	53
38) Carbon Tetrachloride	5.67	117	9409	5.55	ug/l #	19
51) 4-Methyl-2-Pentanone	8.72	43	1102	0.43	ug/l #	1
74) N-amyl acetate	6.37	43	26	Below Cal	#	59
76) 1,2,3-Trichloropropane	11.15	75	40871	24.25	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.15	75	40871	78.51	ug/l #	9

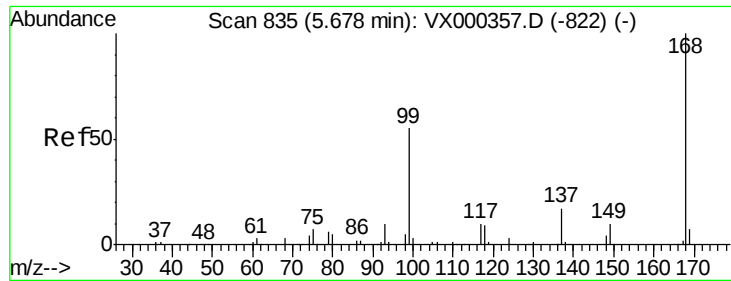
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX032118\
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Quant Title : SW846 8260
QLast Update : Wed Mar 21 04:52:42 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.01 min

Lab File: VX000391.D

Acq: 21 Mar 2018 17:44

Instrument :

MSVOA_X

ClientSampleId :

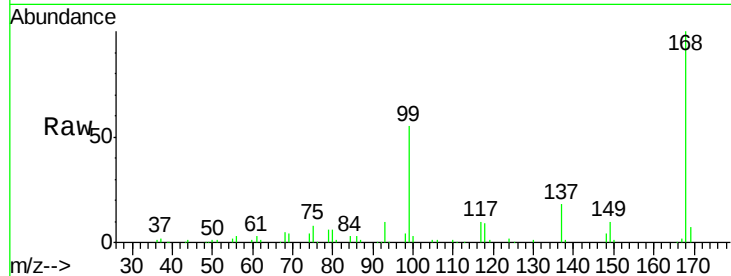
STORAGEBLANK-WATERREF-4

Tgt Ion:168 Resp: 99171

Ion Ratio Lower Upper

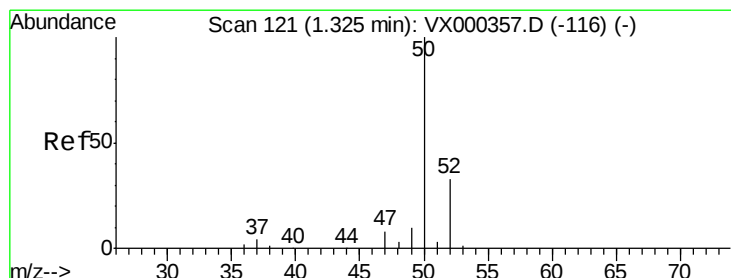
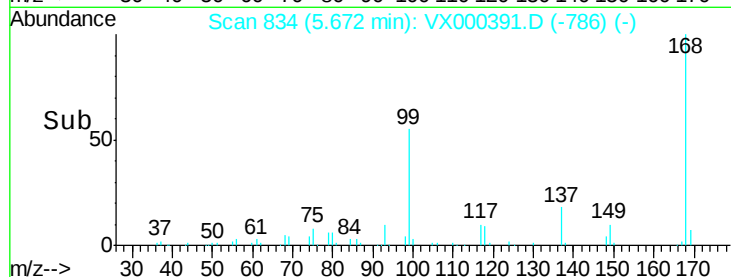
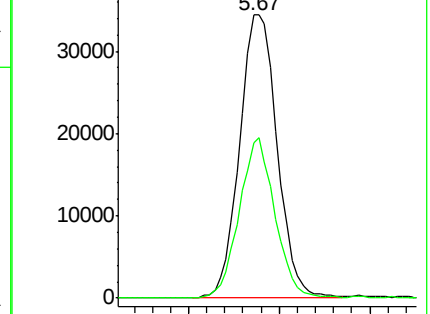
168 100

99 55.0 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.21 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX000391.D

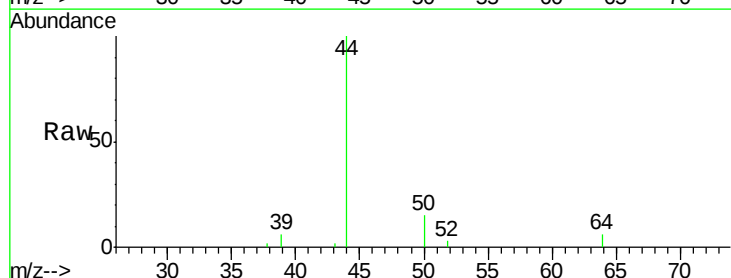
Acq: 21 Mar 2018 17:44

Tgt Ion: 50 Resp: 242

Ion Ratio Lower Upper

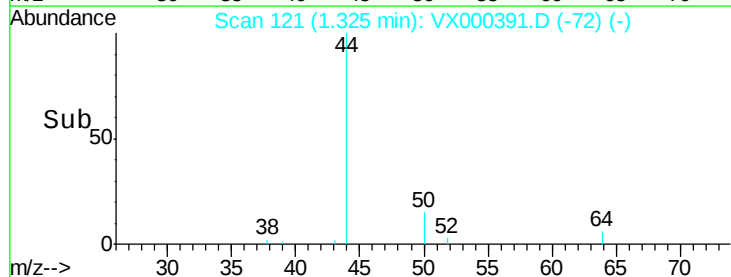
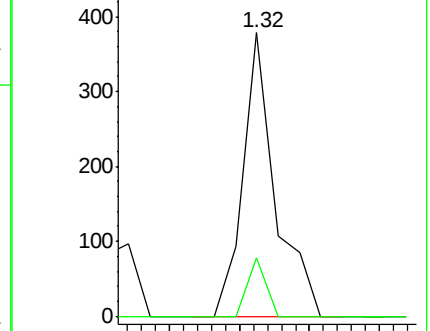
50 100

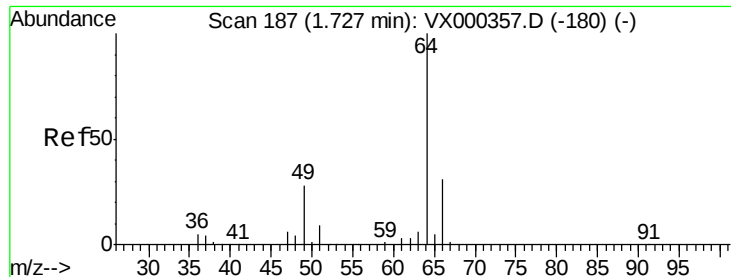
52 20.6 27.5 41.3#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#6

Chloroethane

Concen: Below Cal

RT: 1.73 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX000391.D

Acq: 21 Mar 2018 17:44

Instrument :

MSVOA_X

ClientSampleId :

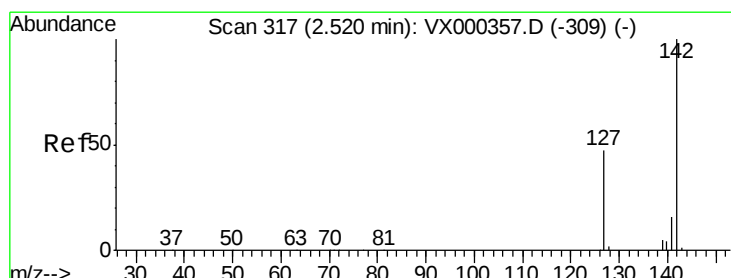
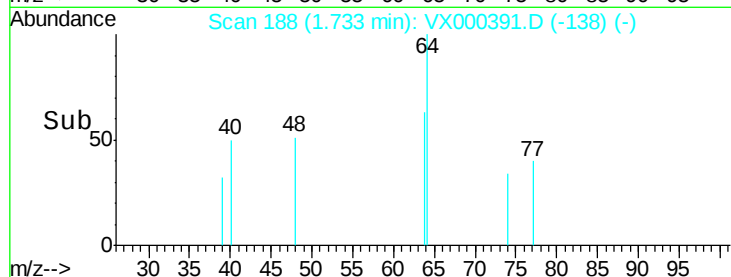
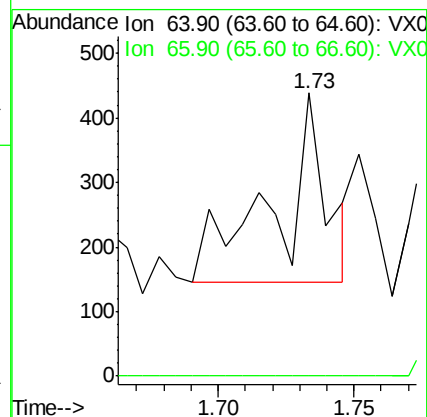
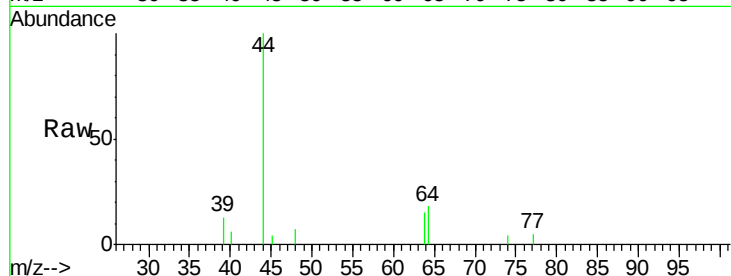
STORAGEBLANK-WATERREF-4

Tgt Ion: 64 Resp: 380

Ion Ratio Lower Upper

64 100

66 0.0 24.8 37.2#



#10

Methyl Iodide

Concen: 4.30 ug/l

RT: 2.53 min Scan# 319

Delta R.T. 0.01 min

Lab File: VX000391.D

Acq: 21 Mar 2018 17:44

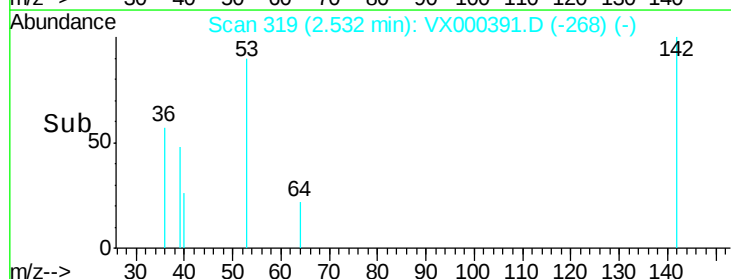
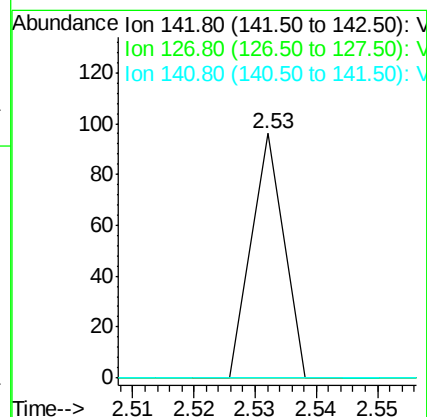
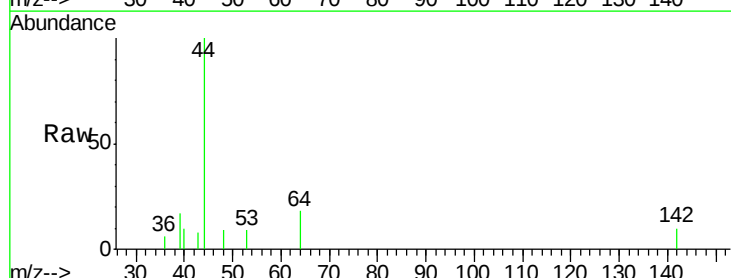
Tgt Ion: 142 Resp: 35

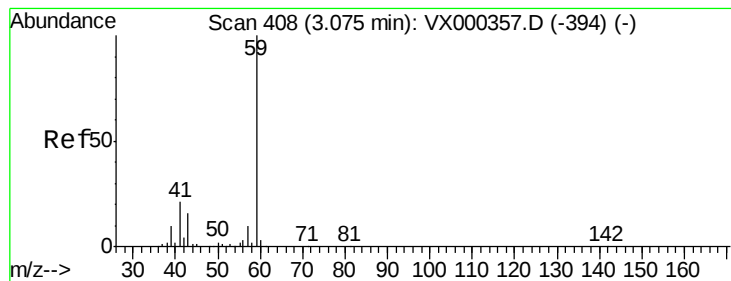
Ion Ratio Lower Upper

142 100

127 0.0 39.2 58.8#

141 0.0 11.7 17.5#



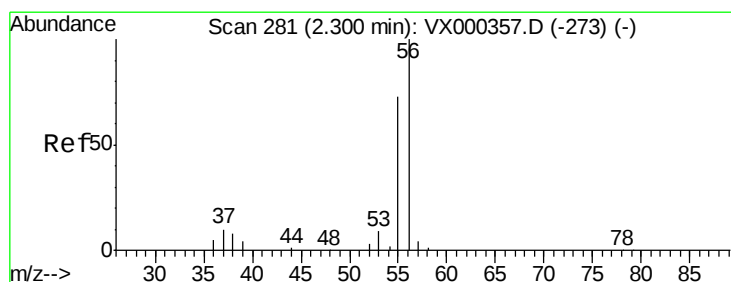
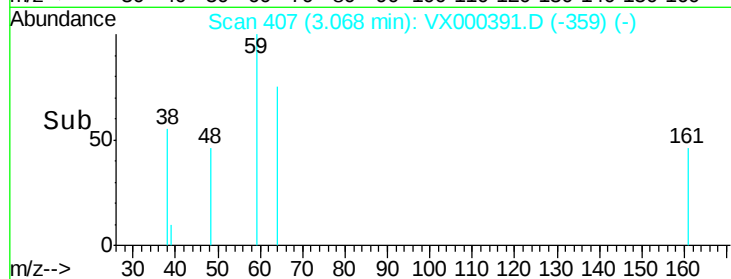
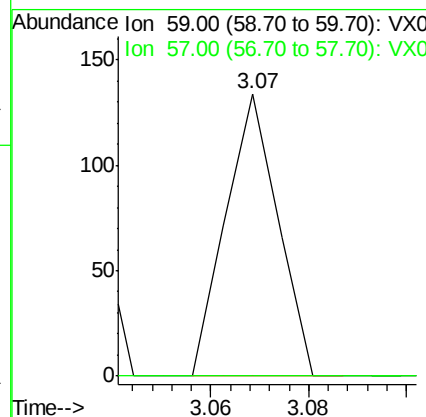
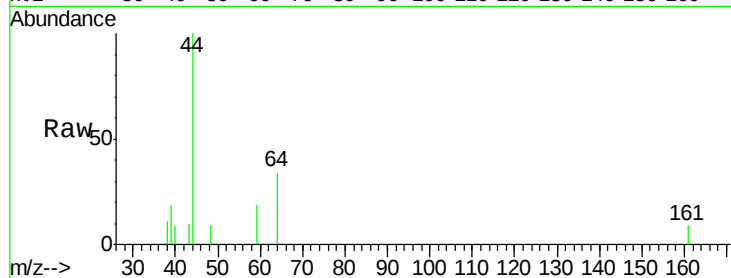


#11

Tert butyl alcohol
 Concen: 0.22 ug/l
 RT: 3.07 min Scan# 407
 Delta R.T. -0.01 min
 Lab File: VX000391.D
 Acq: 21 Mar 2018 17:44

Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGEBLANK-WATERREF-4

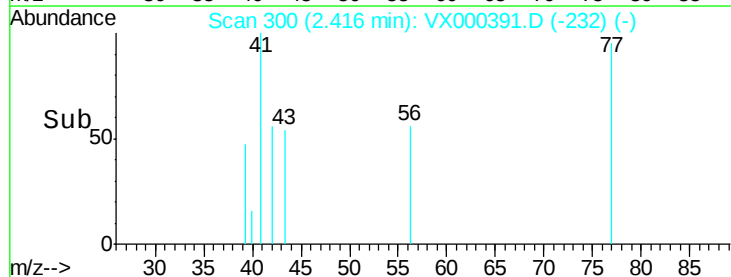
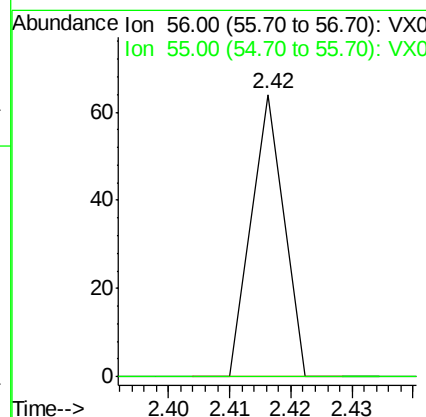
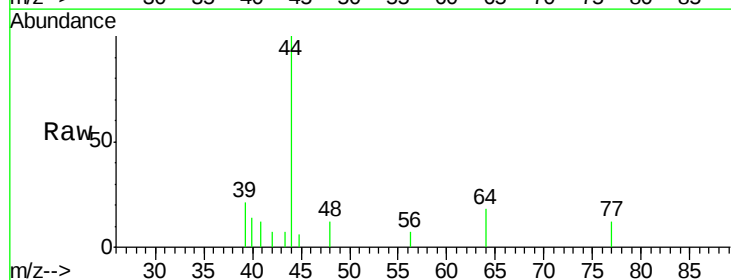
Tgt Ion: 59 Resp: 99
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.4 12.6#

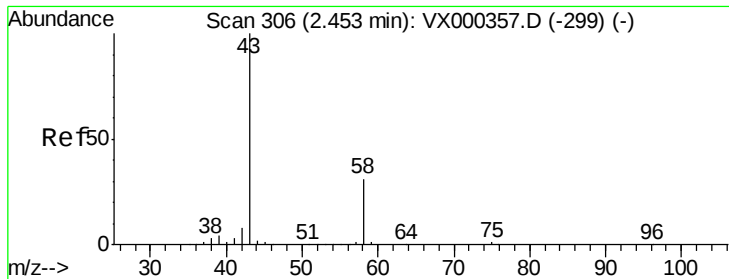


#13

Acrolein
 Concen: 14.73 ug/l
 RT: 2.42 min Scan# 300
 Delta R.T. 0.12 min
 Lab File: VX000391.D
 Acq: 21 Mar 2018 17:44

Tgt Ion: 56 Resp: 23
 Ion Ratio Lower Upper
 56 100
 55 0.0 58.8 88.2#





#16

Acetone

Concen: 2.05 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX000391.D

Acq: 21 Mar 2018 17:44

Instrument :

MSVOA_X

ClientSampleId :

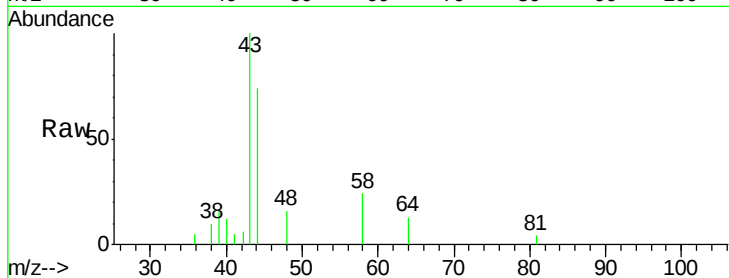
STORAGEBLANK-WATERREF-4

Tgt Ion: 43 Resp: 2208

Ion Ratio Lower Upper

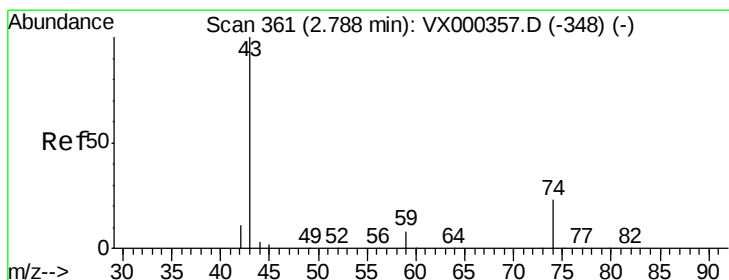
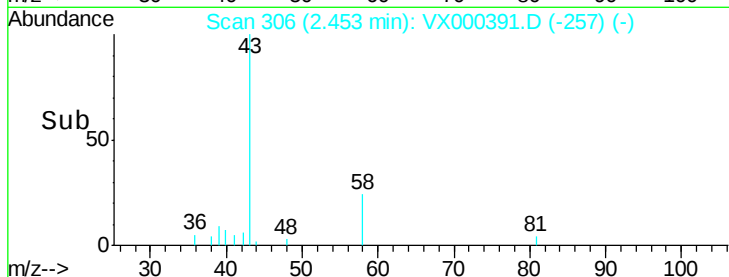
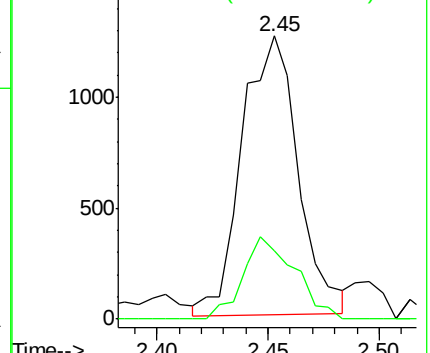
43 100

58 25.4 24.7 37.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#18

Methyl Acetate

Concen: 0.22 ug/l

RT: 2.78 min Scan# 359

Delta R.T. -0.01 min

Lab File: VX000391.D

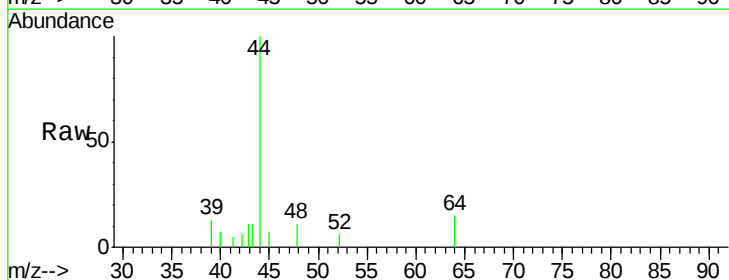
Acq: 21 Mar 2018 17:44

Tgt Ion: 43 Resp: 498

Ion Ratio Lower Upper

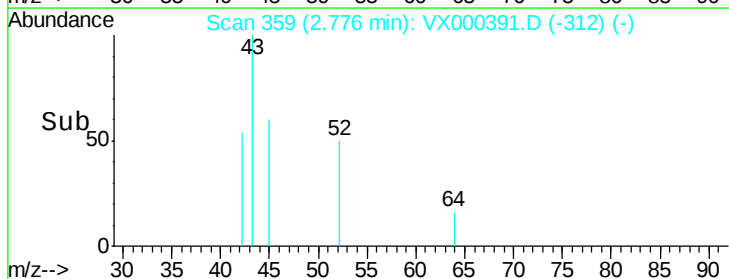
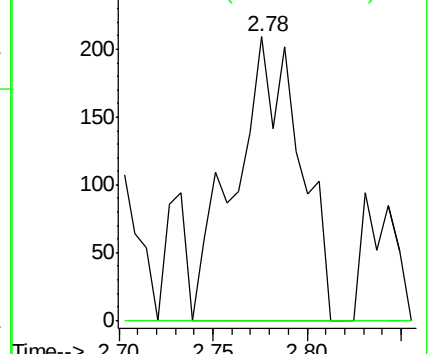
43 100

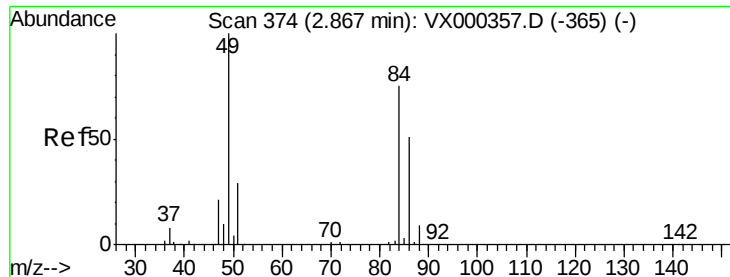
74 0.0 19.4 29.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

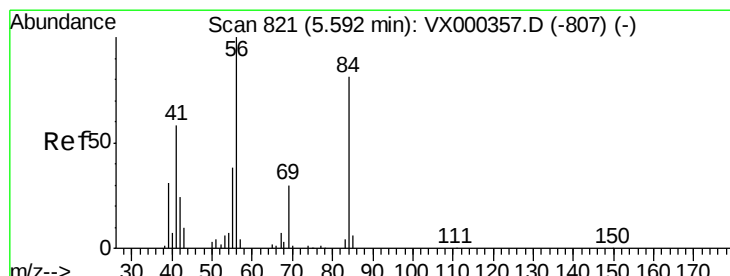
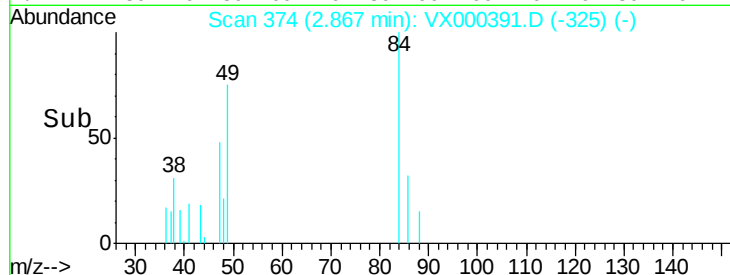
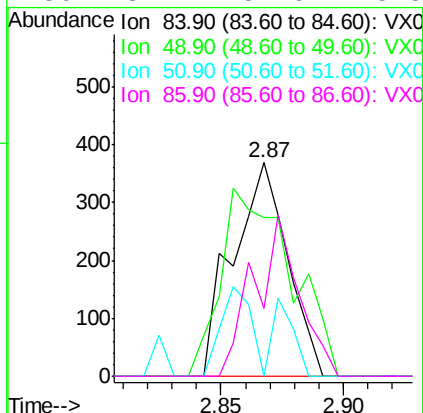
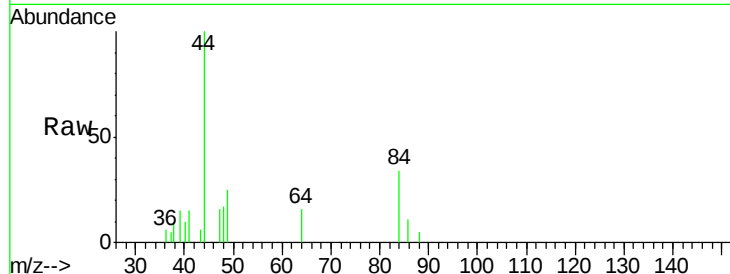




#20
Methylene Chloride
Concen: 0.46 ug/l
RT: 2.87 min Scan# 374
Delta R.T. -0.00 min
Lab File: VX000391.D
Acq: 21 Mar 2018 17:44

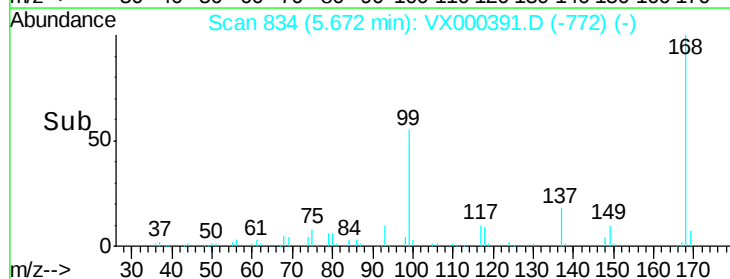
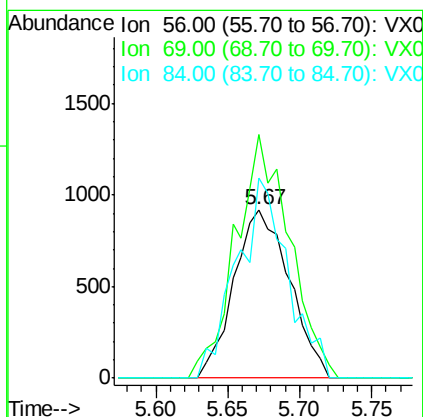
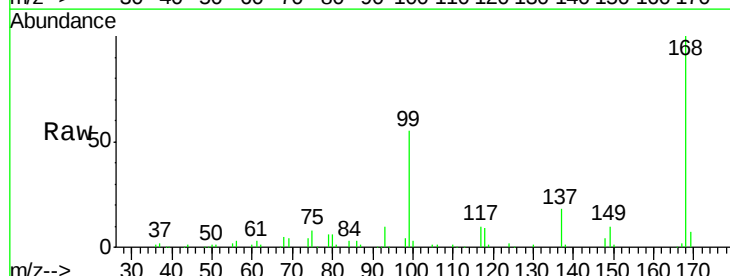
Instrument :
MSVOA_X
ClientSampleId :
STORAGEBLANK-WATERREF-4

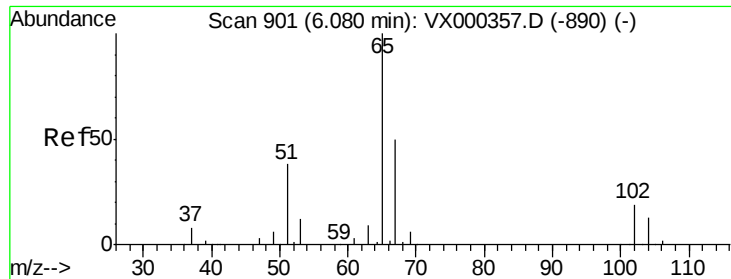
Tgt Ion: 84 Resp: 573
Ion Ratio Lower Upper
84 100
49 74.5 100.6 151.0#
51 0.0 31.6 47.4#
86 31.7 52.6 78.8#



#31
Cyclohexane
Concen: 1.51 ug/l
RT: 5.67 min Scan# 834
Delta R.T. 0.08 min
Lab File: VX000391.D
Acq: 21 Mar 2018 17:44

Tgt Ion: 56 Resp: 2463
Ion Ratio Lower Upper
56 100
69 144.4 23.4 35.0#
84 118.6 71.0 106.4#

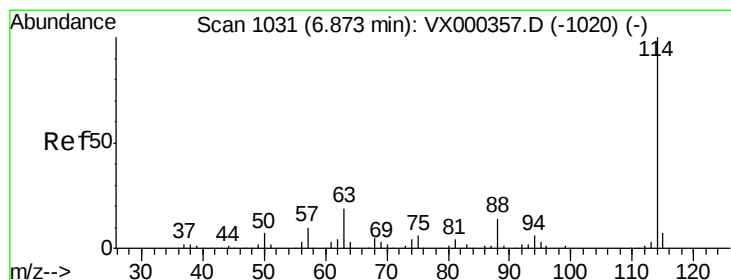
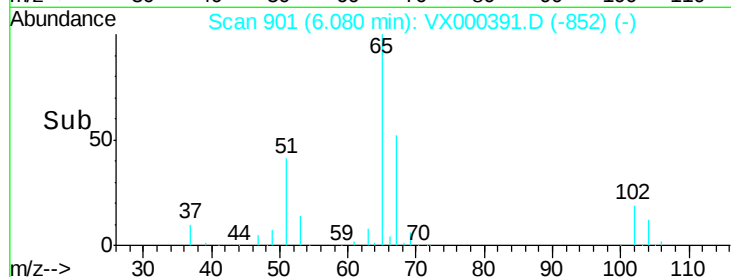
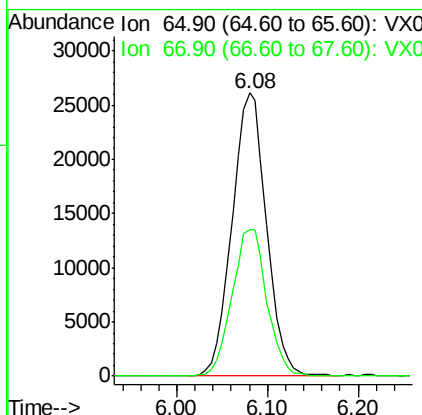
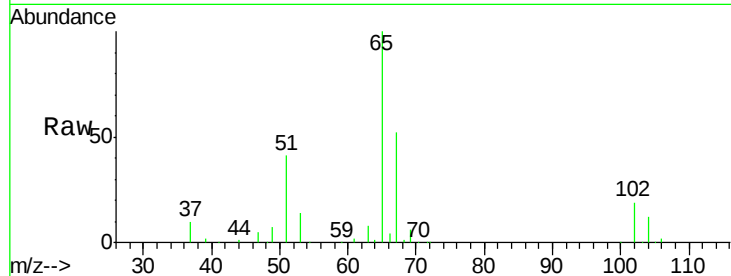




#33
 1,2-Dichloroethane-d4
 Concen: 52.97 ug/l
 RT: 6.08 min Scan# 901
 Delta R.T. 0.00 min
 Lab File: VX000391.D
 Acq: 21 Mar 2018 17:44

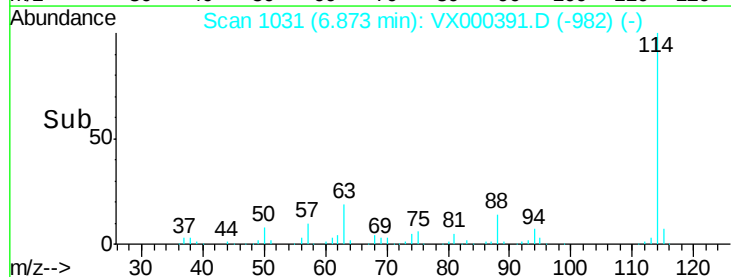
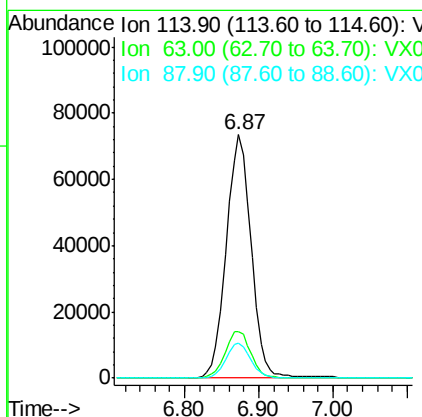
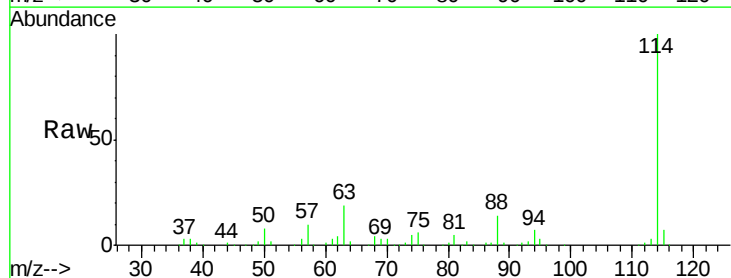
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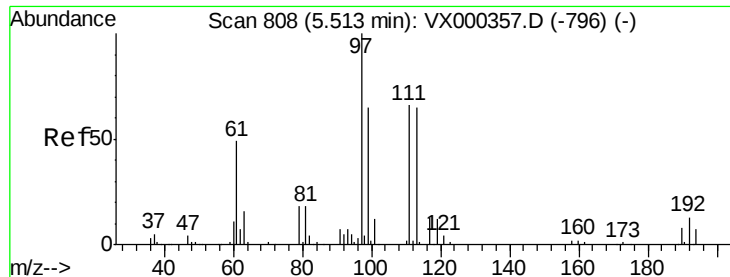
Tgt Ion: 65 Resp: 68572
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 103.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. -0.00 min
 Lab File: VX000391.D
 Acq: 21 Mar 2018 17:44

Tgt Ion: 114 Resp: 172647
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 38.4
 88 14.3 0.0 27.0





#35

Dibromofluoromethane

Concen: 49.62 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX000391.D

Acq: 21 Mar 2018 17:44

Instrument :

MSVOA_X

ClientSampleId :

STORAGEBLANK-WATERREF-4

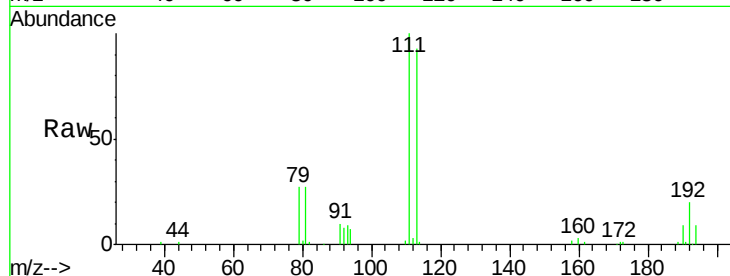
Tgt Ion:113 Resp: 53975

Ion Ratio Lower Upper

113 100

111 104.2 82.4 123.6

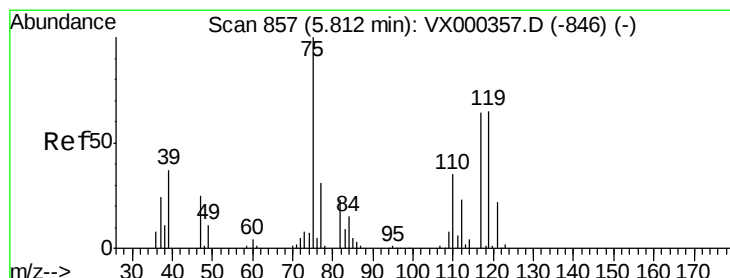
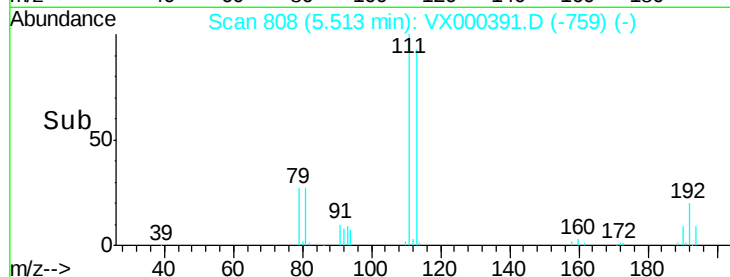
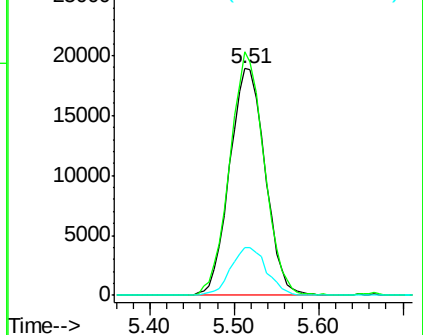
192 21.1 15.8 23.6



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.94 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.14 min

Lab File: VX000391.D

Acq: 21 Mar 2018 17:44

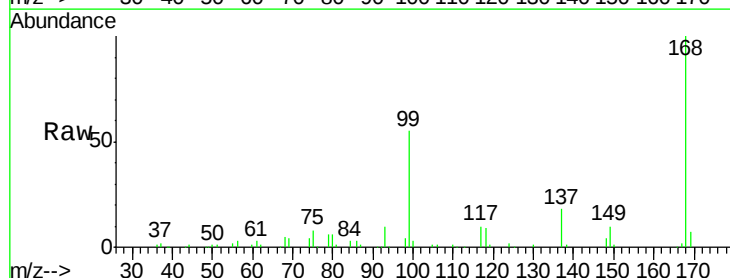
Tgt Ion: 75 Resp: 7989

Ion Ratio Lower Upper

75 100

110 11.9 17.9 53.7#

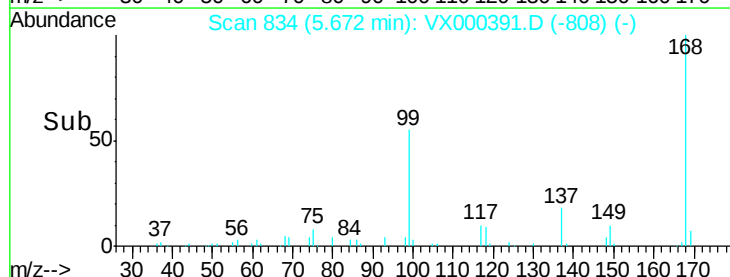
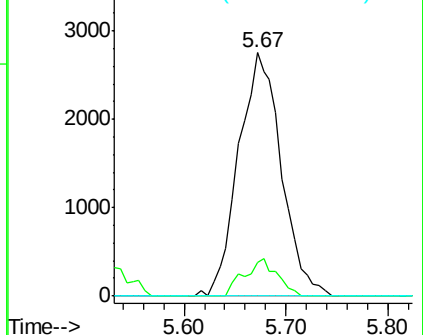
77 0.0 24.0 36.0#

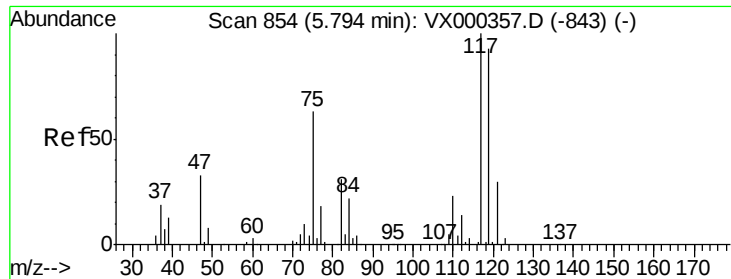


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 5.55 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX000391.D

Acq: 21 Mar 2018 17:44

Instrument :

MSVOA_X

ClientSampleId :

STORAGEBLANK-WATERREF-4

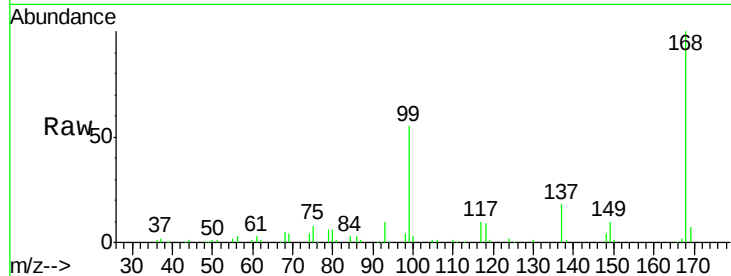
Tgt Ion:117 Resp: 9409

Ion Ratio Lower Upper

117 100

119 8.9 77.4 116.2#

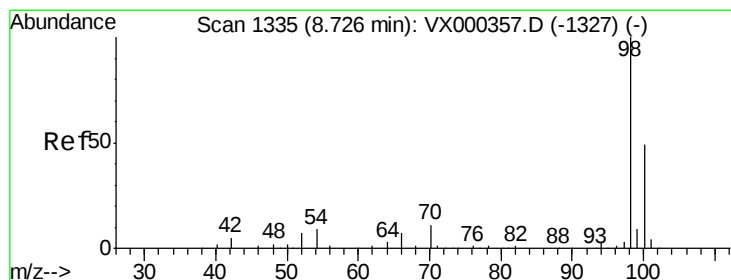
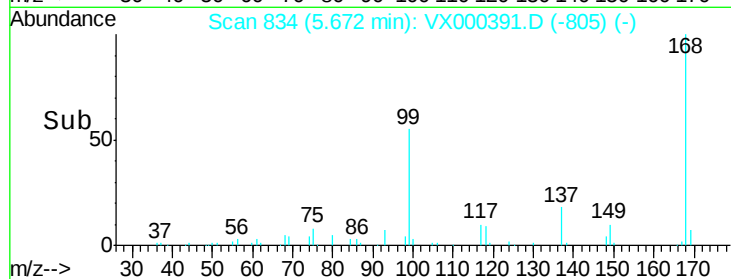
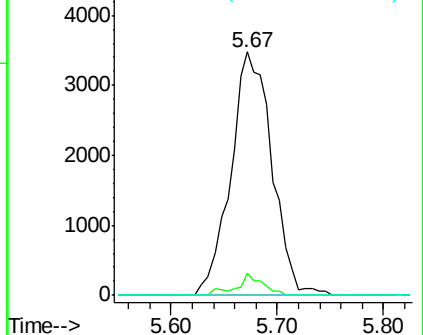
121 0.0 24.8 37.2#



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: 47.93 ug/l

RT: 8.73 min Scan# 1335

Delta R.T. -0.00 min

Lab File: VX000391.D

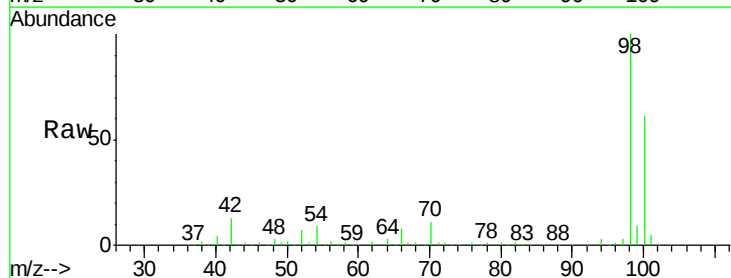
Acq: 21 Mar 2018 17:44

Tgt Ion: 98 Resp: 215925

Ion Ratio Lower Upper

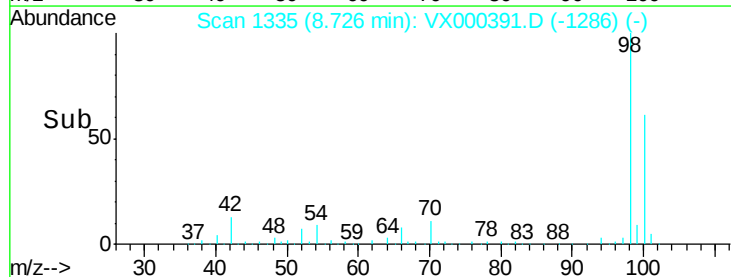
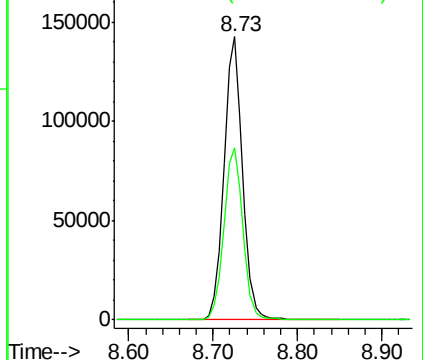
98 100

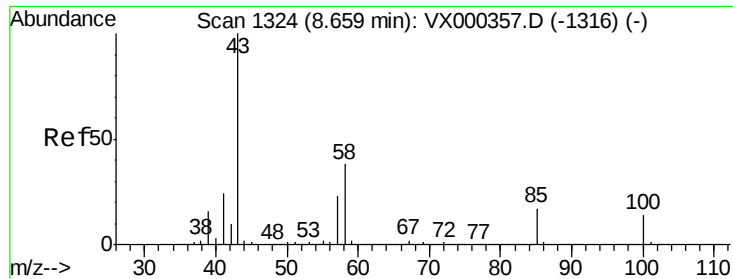
100 62.5 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 0.43 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.06 min

Lab File: VX000391.D

Acq: 21 Mar 2018 17:44

Instrument :

MSVOA_X

ClientSampleId :

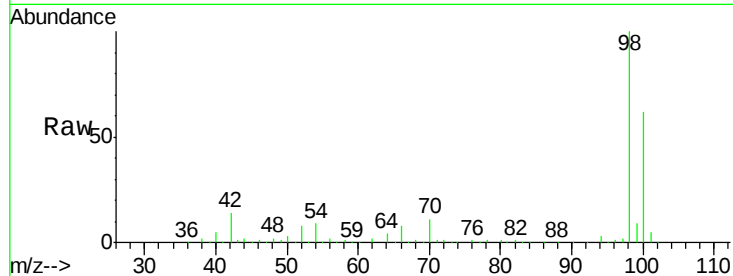
STORAGEBLANK-WATERREF-4

Tgt Ion: 43 Resp: 1102

Ion Ratio Lower Upper

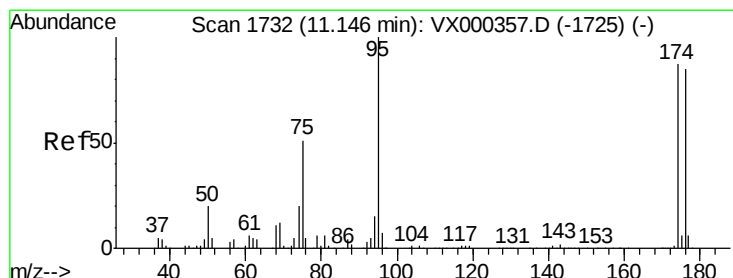
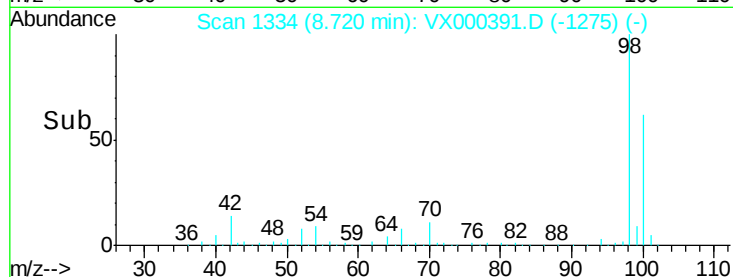
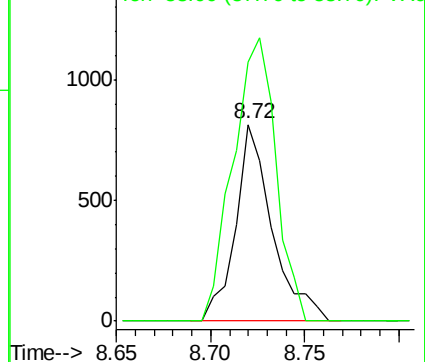
43 100

58 168.0 30.3 45.5#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#62

4-Bromofluorobenzene

Concen: 39.05 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VX000391.D

Acq: 21 Mar 2018 17:44

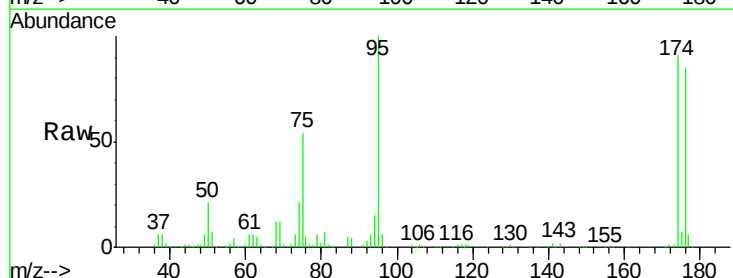
Tgt Ion: 95 Resp: 71398

Ion Ratio Lower Upper

95 100

174 90.3 0.0 173.6

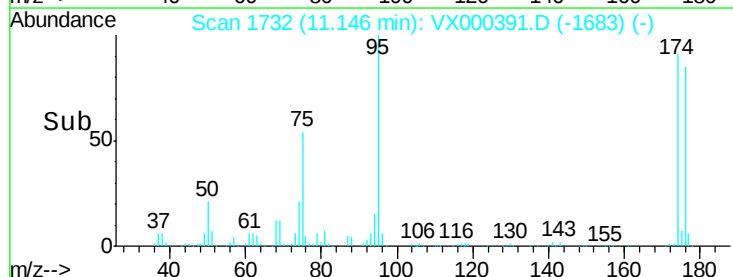
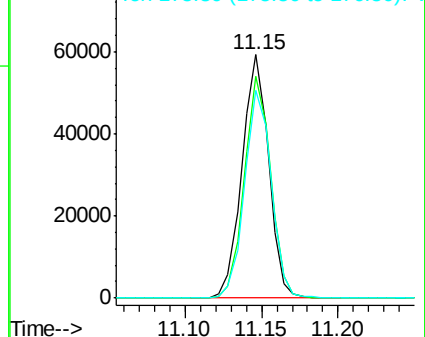
176 85.9 0.0 164.6

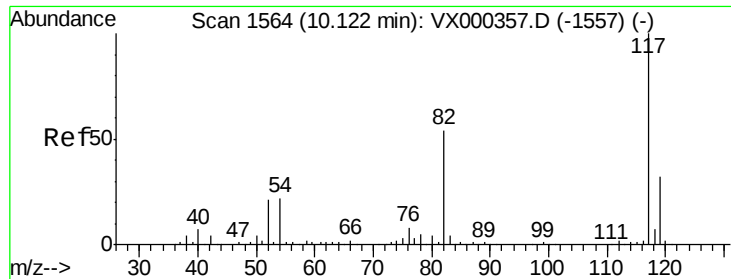


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

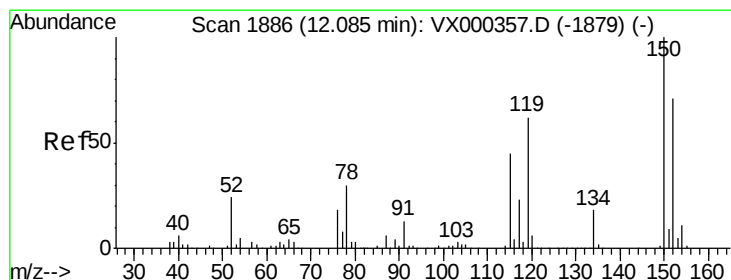
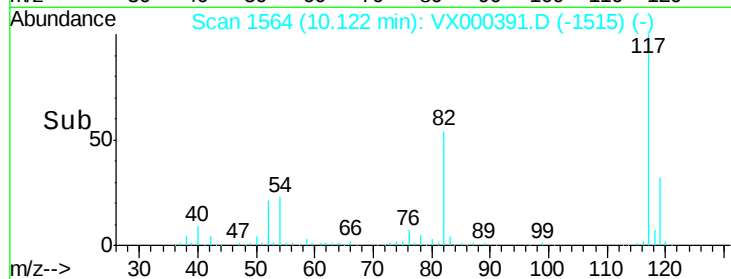
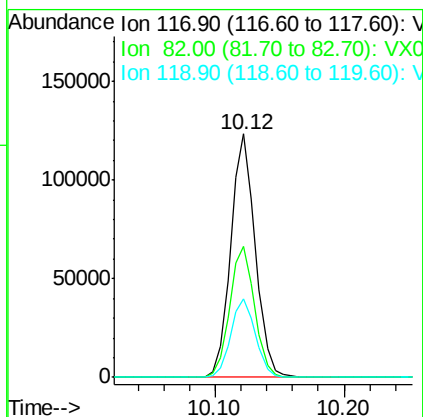
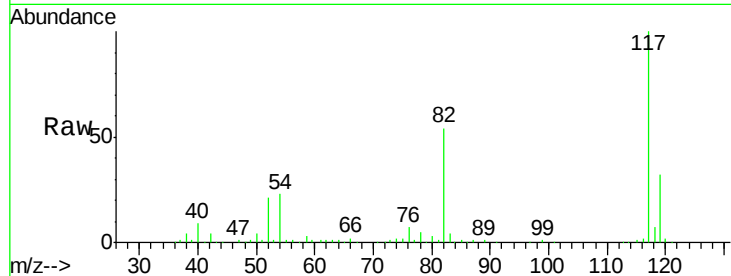




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000391.D
Acq: 21 Mar 2018 17:44

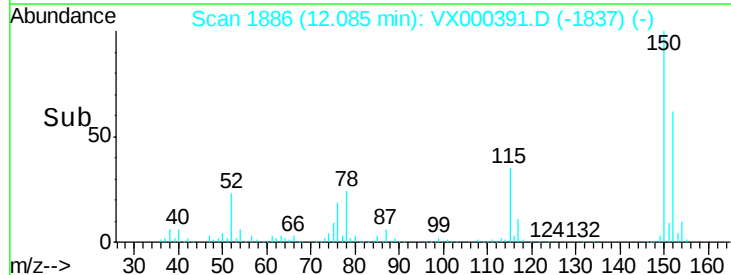
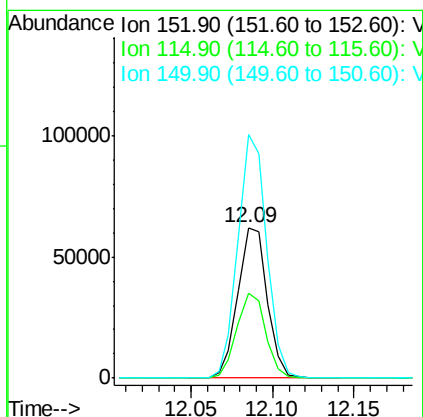
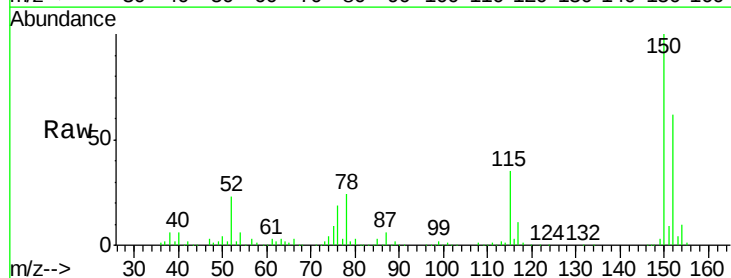
Instrument :
MSVOA_X
ClientSampleId :
STORAGEBLANK-WATERREF-4

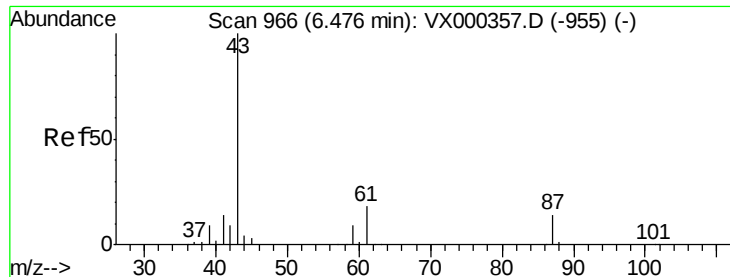
Tgt Ion:117 Resp: 164386
Ion Ratio Lower Upper
117 100
82 53.6 43.8 65.8
119 32.2 24.9 37.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX000391.D
Acq: 21 Mar 2018 17:44

Tgt Ion:152 Resp: 78425
Ion Ratio Lower Upper
152 100
115 55.4 39.8 119.3
150 157.3 0.0 344.4





#74

N-amyI acetate

Concen: Below Cal

RT: 6.37 min Scan# 948

Delta R.T. -0.11 min

Lab File: VX000391.D

Acq: 21 Mar 2018 17:44

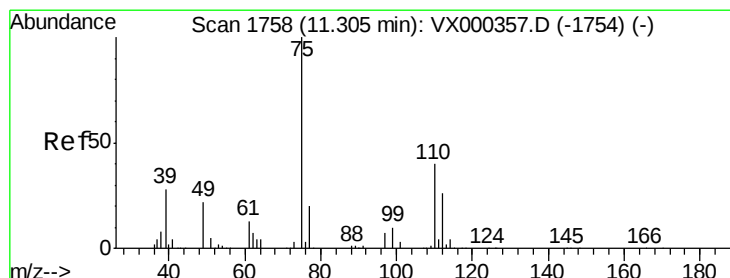
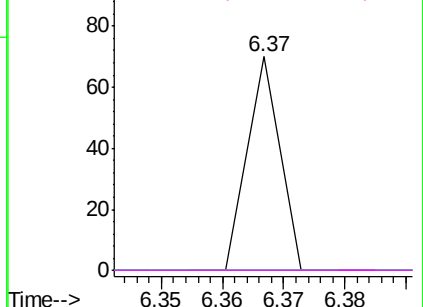
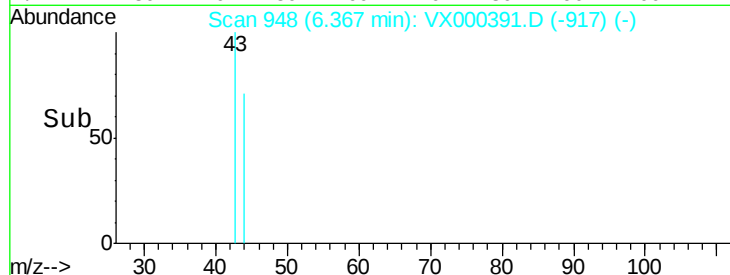
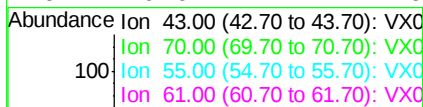
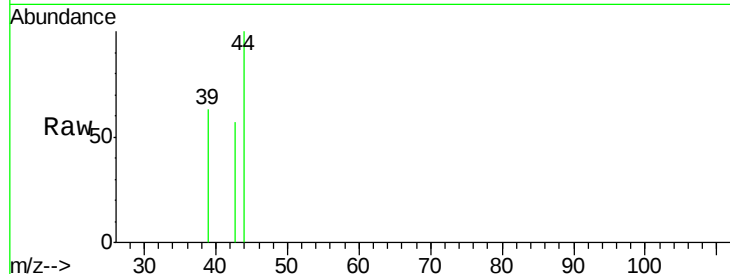
Instrument :

MSVOA_X

ClientSampleId :

STORAGEBLANK-WATERREF-4

Tgt Ion:	43	Resp:	26
Ion	Ratio	Lower	Upper
43	100		
70	0.0	0.0	0.0
55	0.0	0.0	0.0
61	0.0	14.4	21.6#



#76

1,2,3-Trichloropropane

Concen: 24.25 ug/l

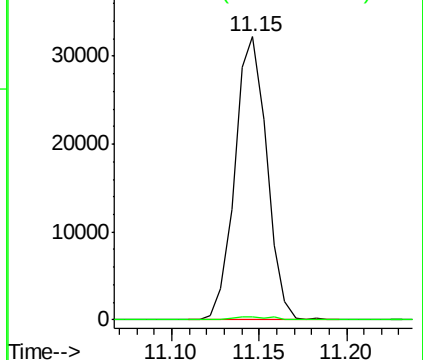
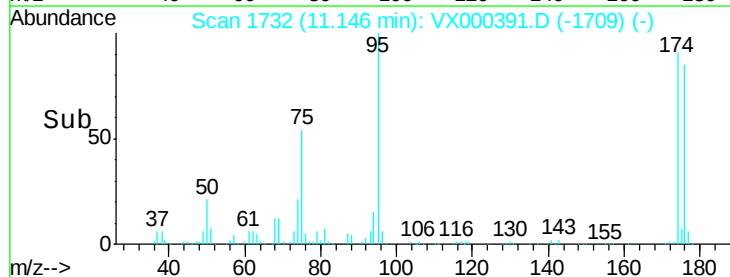
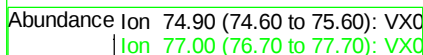
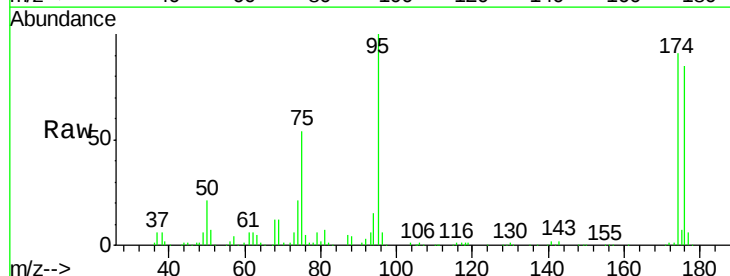
RT: 11.15 min Scan# 1732

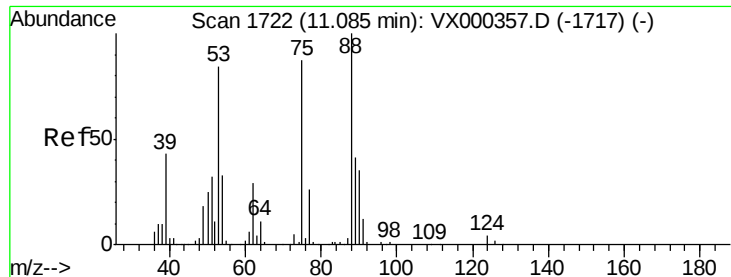
Delta R.T. -0.16 min

Lab File: VX000391.D

Acq: 21 Mar 2018 17:44

Tgt Ion:	75	Resp:	40871
Ion	Ratio	Lower	Upper
75	100		
77	1.5	21.4	64.2#

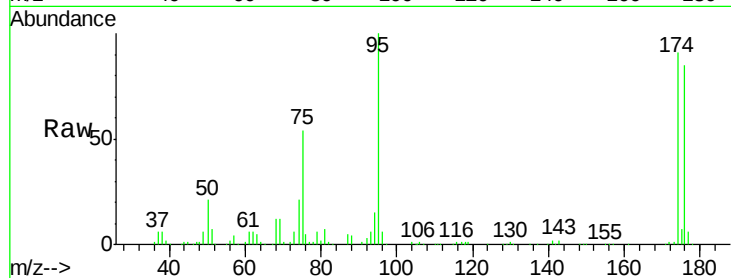




#81
 trans-1,4-Dichloro-2-butene
 Concen: 78.51 ug/l
 RT: 11.15 min Scan# 1732
 Delta R.T. 0.06 min
 Lab File: VX000391.D
 Acq: 21 Mar 2018 17:44

Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGEBLANK-WATERREF-4

Tgt Ion: 75 Resp: 40871
 Ion Ratio Lower Upper
 75 100
 53 0.0 80.7 121.1#
 89 0.0 39.4 59.0#



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

