

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX032118\
 Data File : VX000390.D
 Acq On : 21 Mar 2018 17:19
 Operator : JC/MD
 Sample : J1962-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE BLANK-WATERREF-5

Quant Time: Mar 22 05:30:23 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	5.68	168	99129	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	175393	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	166225	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	80017	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.08	65	72092	55.71	ug/l	0.00
Spiked Amount			Recovery	=	111.42%	
35) Dibromofluoromethane	5.51	113	55090	49.85	ug/l	0.00
Spiked Amount			Recovery	=	99.70%	
50) Toluene-d8	8.73	98	216886	47.39	ug/l	0.00
Spiked Amount			Recovery	=	94.78%	
62) 4-Bromofluorobenzene	11.15	95	73386	39.43	ug/l	0.00
Spiked Amount			Recovery	=	78.86%	

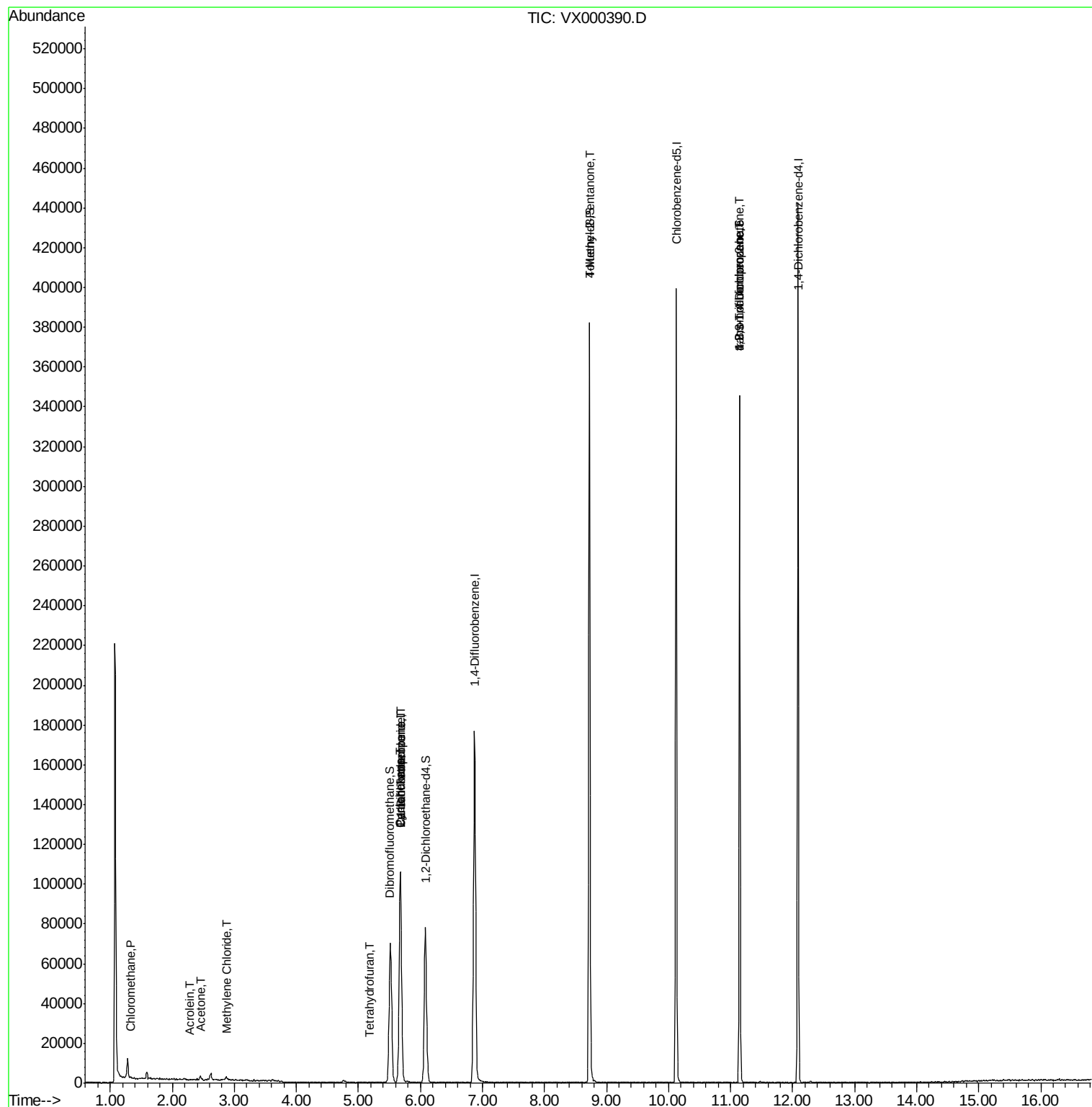
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	319	0.28	ug/l #	85
6) Chloroethane	1.70	64	95	Below Cal	#	44
13) Acrolein	2.29	56	49	14.90	ug/l #	61
14) Allyl chloride	2.71	41	169	Below Cal	#	60
16) Acetone	2.45	43	1918	1.78	ug/l #	87
20) Methylene Chloride	2.89	84	540	0.43	ug/l #	24
29) Tetrahydrofuran	5.18	42	156	0.21	ug/l #	57
31) Cyclohexane	5.67	56	2619	1.60	ug/l #	57
36) 1,1-Dichloropropene	5.67	75	8129	4.95	ug/l #	51
38) Carbon Tetrachloride	5.68	117	10027	5.82	ug/l #	16
51) 4-Methyl-2-Pentanone	8.73	43	1192	0.46	ug/l #	1
76) 1,2,3-Trichloropropane	11.15	75	42524	24.73	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.15	75	42524	80.06	ug/l #	9

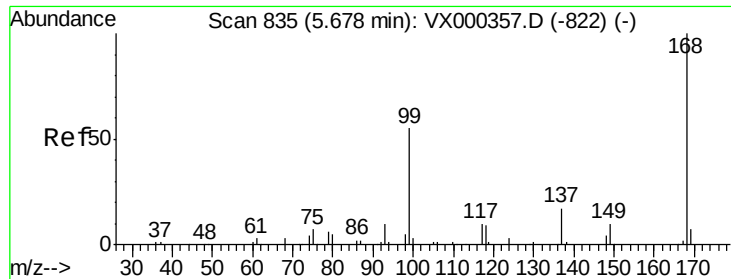
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X032018W.M
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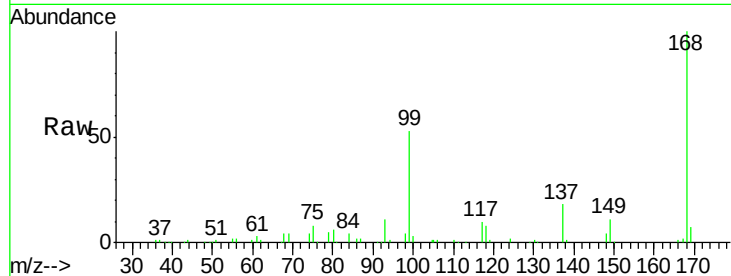




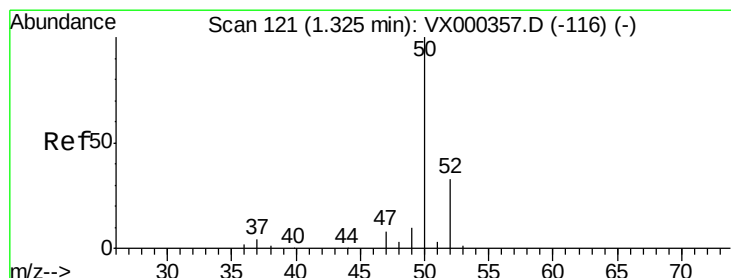
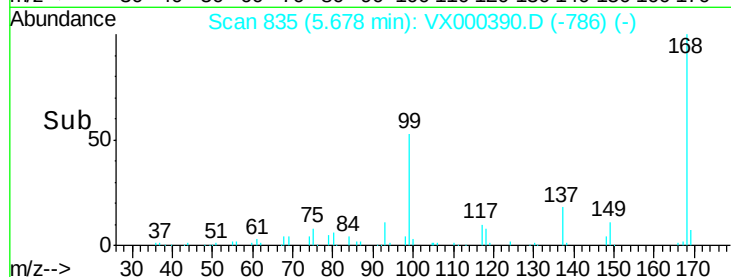
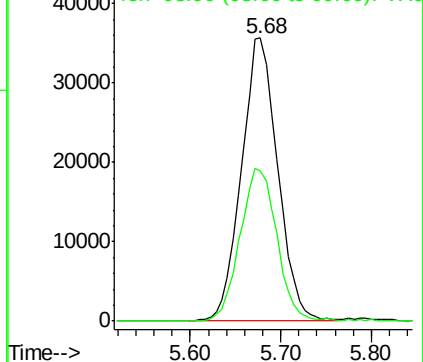
#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.68 min Scan# 835
Delta R.T. -0.00 min
Lab File: VX000390.D
Acq: 21 Mar 2018 17:19

Instrument :
MSVOA_X
ClientSampleId :
STORAGEBLANK-WATERREF-5

Tgt Ion:168 Resp: 99129
Ion Ratio Lower Upper
168 100
99 52.9 45.8 68.6

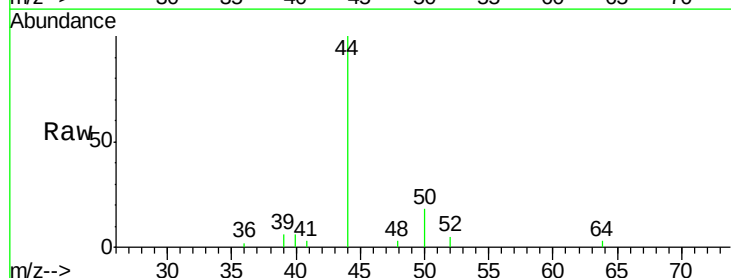


Abundance Ion 167.90 (167.60 to 168.60): V
Ion 98.90 (98.60 to 99.60): VX0

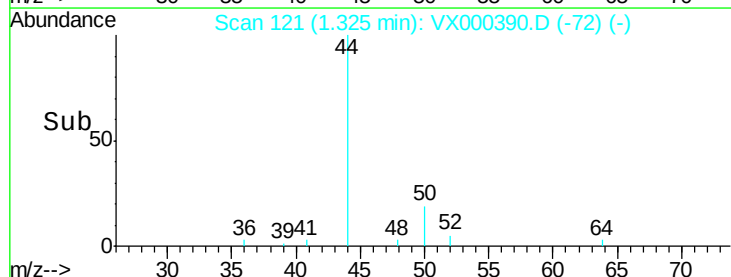
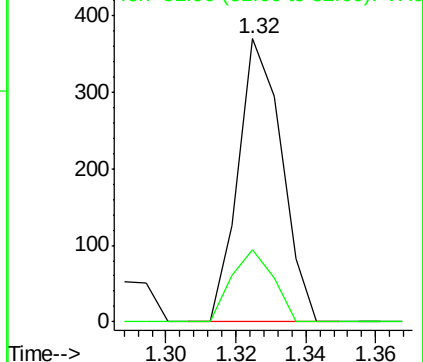


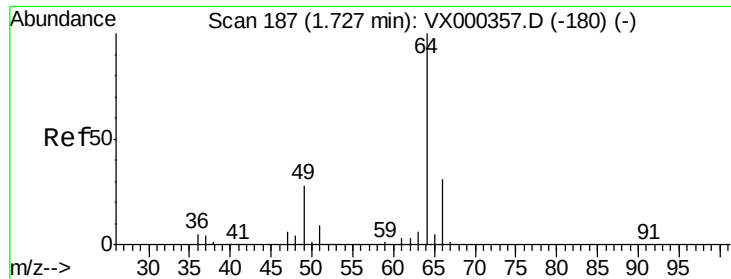
#3
Chloromethane
Concen: 0.28 ug/l
RT: 1.32 min Scan# 121
Delta R.T. -0.00 min
Lab File: VX000390.D
Acq: 21 Mar 2018 17:19

Tgt Ion: 50 Resp: 319
Ion Ratio Lower Upper
50 100
52 25.5 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: 1.70 min Scan# 182

Delta R.T. -0.03 min

Lab File: VX000390.D

Acq: 21 Mar 2018 17:19

Instrument :

MSVOA_X

ClientSampleId :

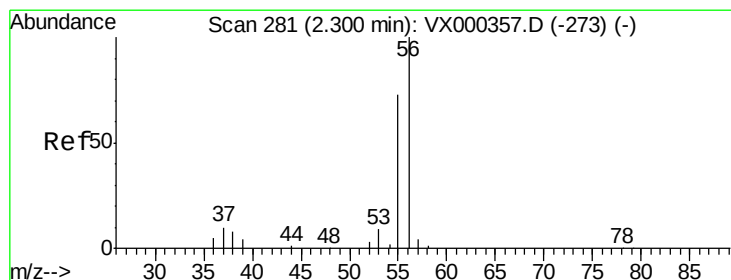
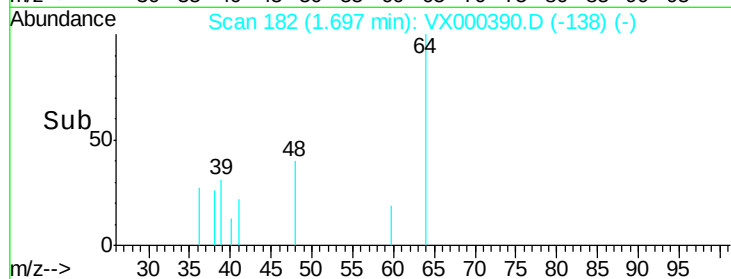
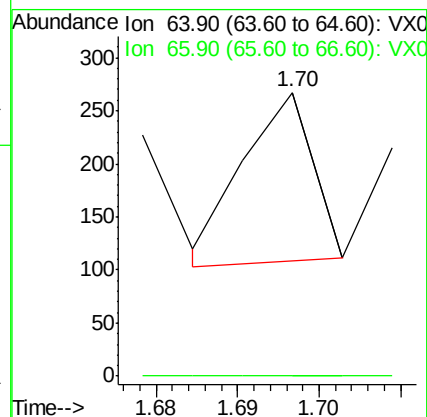
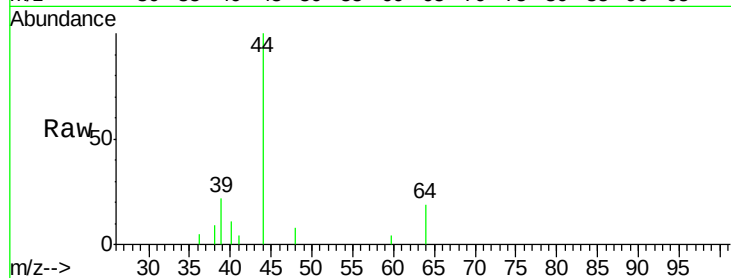
STORAGEBLANK-WATERREF-5

Tgt Ion: 64 Resp: 95

Ion Ratio Lower Upper

64 100

66 0.0 24.8 37.2#



#13

Acrolein

Concen: 14.90 ug/l

RT: 2.29 min Scan# 279

Delta R.T. -0.01 min

Lab File: VX000390.D

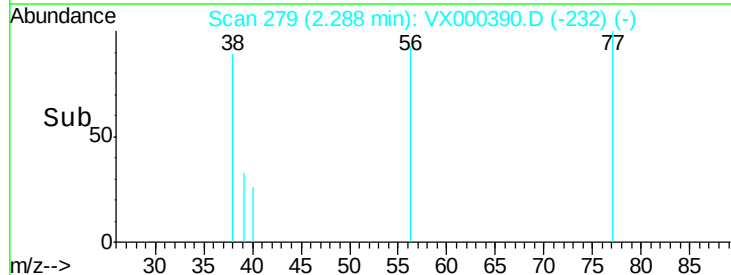
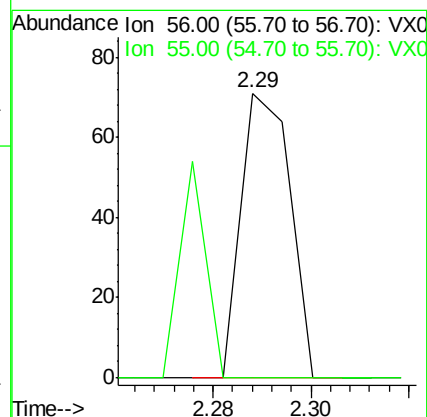
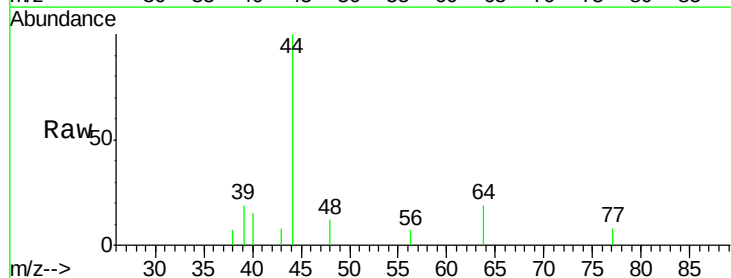
Acq: 21 Mar 2018 17:19

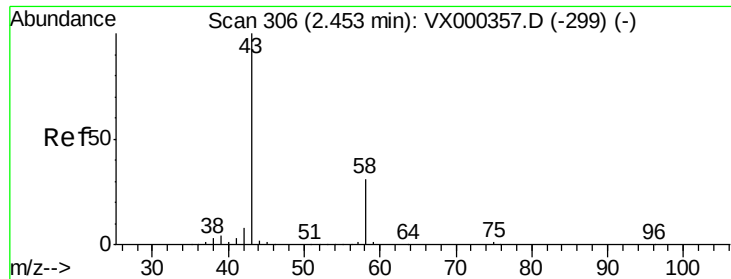
Tgt Ion: 56 Resp: 49

Ion Ratio Lower Upper

56 100

55 40.8 58.8 88.2#





#16

Acetone

Concen: 1.78 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX000390.D

Acq: 21 Mar 2018 17:19

Instrument :

MSVOA_X

ClientSampleId :

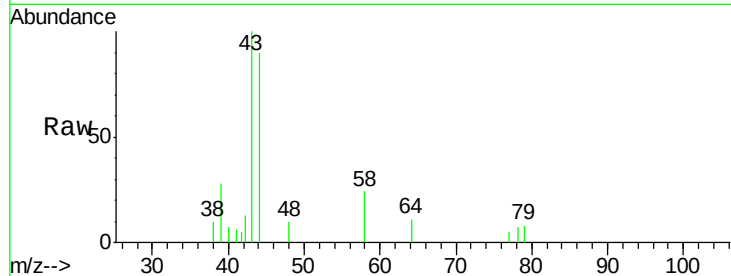
STORAGEBLANK-WATERREF-5

Tgt Ion: 43 Resp: 1918

Ion Ratio Lower Upper

43 100

58 23.7 24.7 37.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

1200

1000

800

600

400

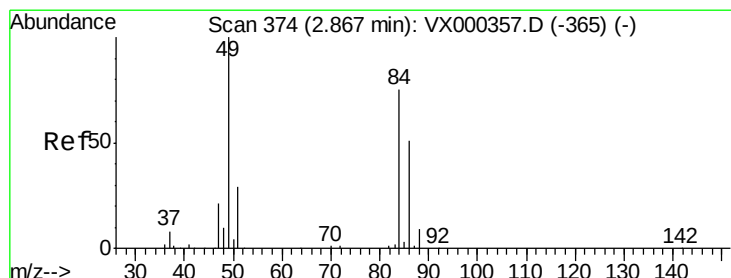
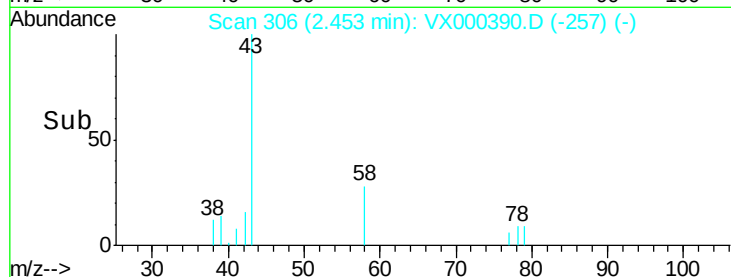
200

0

Time-->

2.40 2.45 2.50

2.45



#20

Methylene Chloride

Concen: 0.43 ug/l

RT: 2.89 min Scan# 377

Delta R.T. 0.02 min

Lab File: VX000390.D

Acq: 21 Mar 2018 17:19

Tgt Ion: 84 Resp: 540

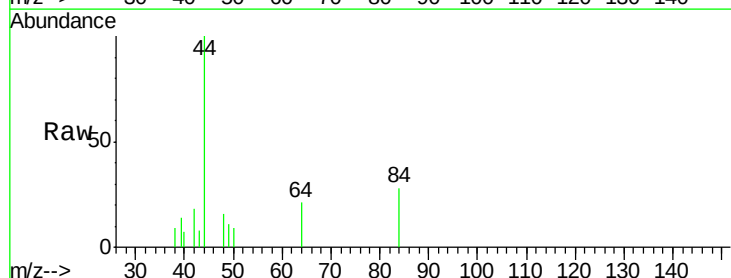
Ion Ratio Lower Upper

84 100

49 38.9 100.6 151.0#

51 0.0 31.6 47.4#

86 0.0 52.6 78.8#



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

500

400

300

200

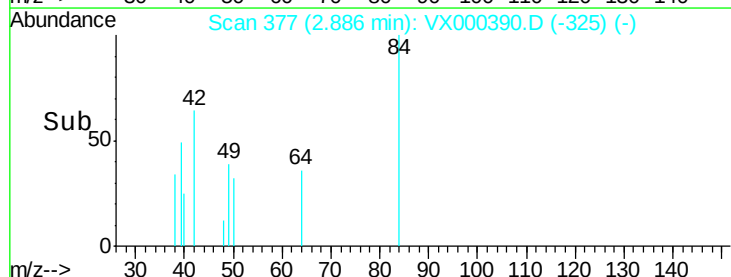
100

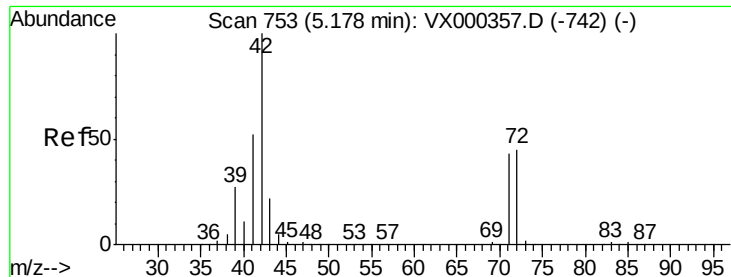
0

Time-->

2.80 2.85 2.90

2.89

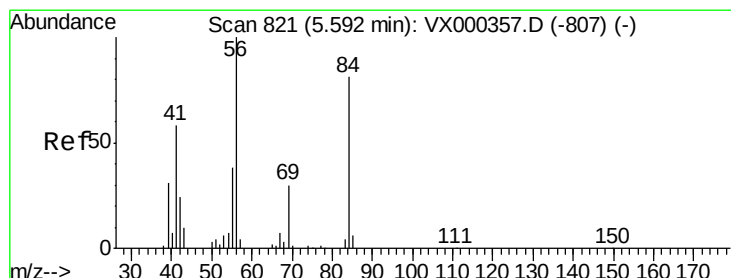
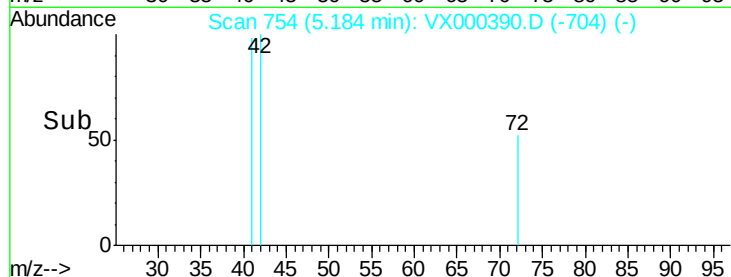
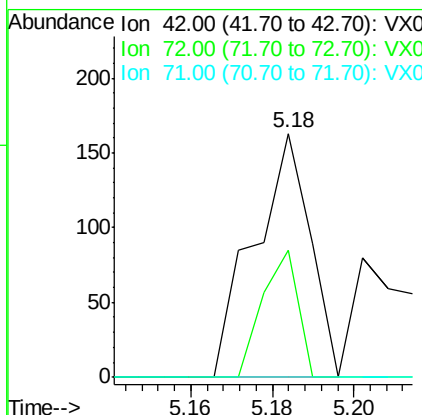
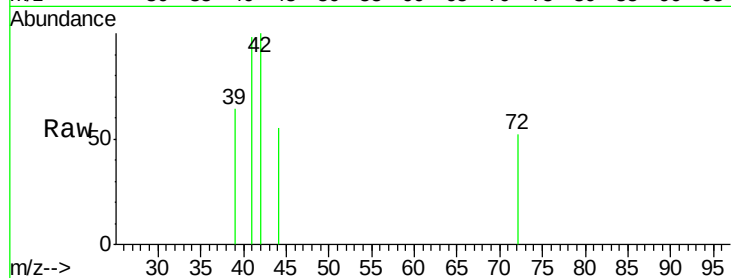




#29
Tetrahydrofuran
Concen: 0.21 ug/l
RT: 5.18 min Scan# 754
Delta R.T. 0.01 min
Lab File: VX000390.D
Acq: 21 Mar 2018 17:19

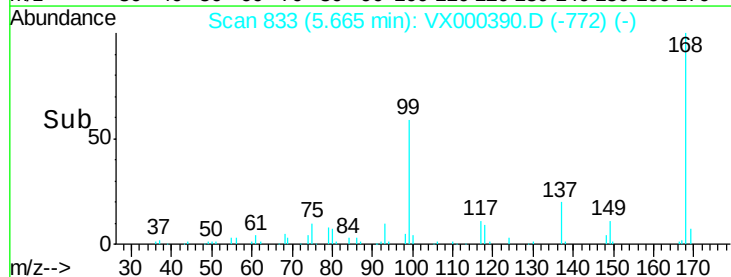
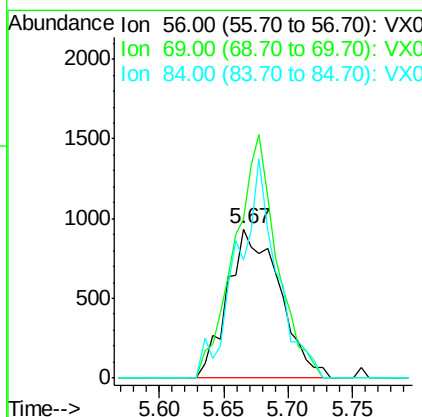
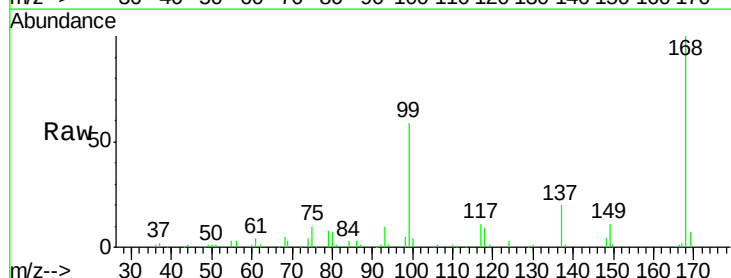
Instrument :
MSVOA_X
ClientSampleId :
STORAGEBLANK-WATERREF-5

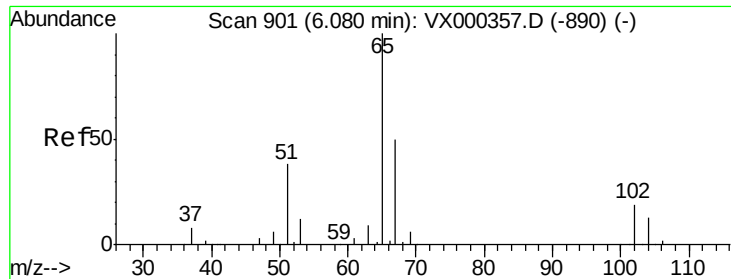
Tgt Ion: 42 Resp: 156
Ion Ratio Lower Upper
42 100
72 33.3 37.9 56.9#
71 0.0 34.4 51.6#



#31
Cyclohexane
Concen: 1.60 ug/l
RT: 5.67 min Scan# 833
Delta R.T. 0.07 min
Lab File: VX000390.D
Acq: 21 Mar 2018 17:19

Tgt Ion: 56 Resp: 2619
Ion Ratio Lower Upper
56 100
69 106.5 23.4 35.0#
84 79.5 71.0 106.4

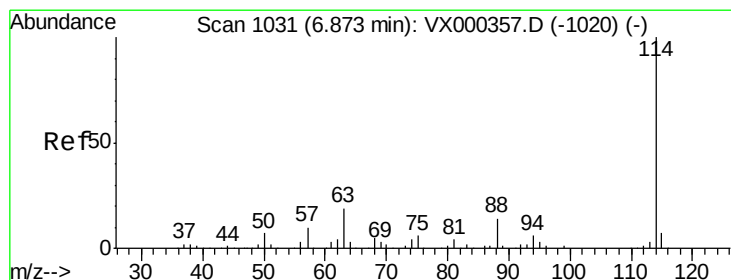
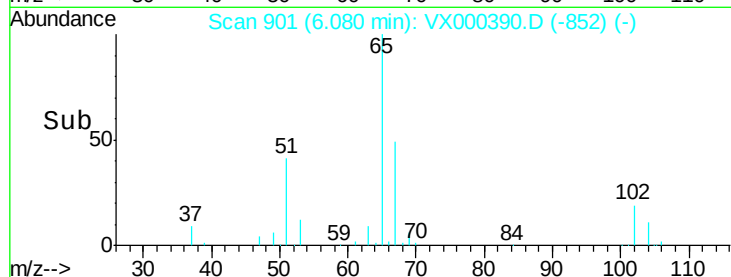
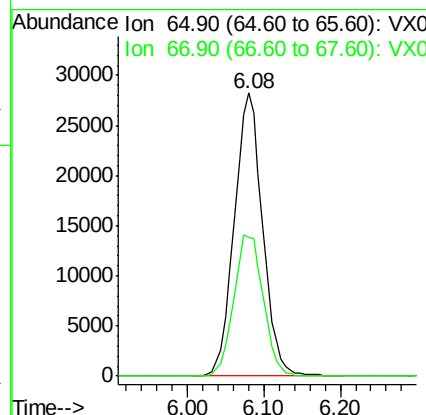
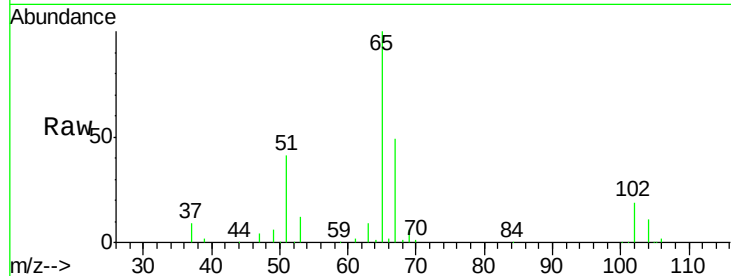




#33
 1,2-Dichloroethane-d4
 Concen: 55.71 ug/l
 RT: 6.08 min Scan# 901
 Delta R.T. 0.00 min
 Lab File: VX000390.D
 Acq: 21 Mar 2018 17:19

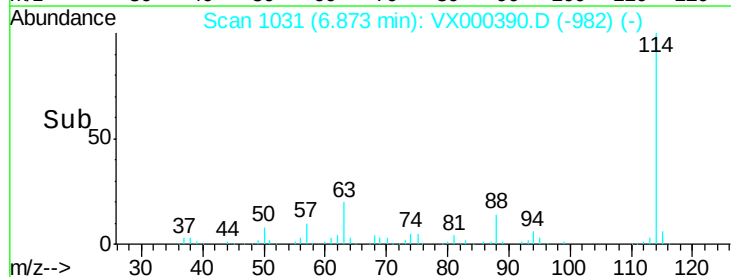
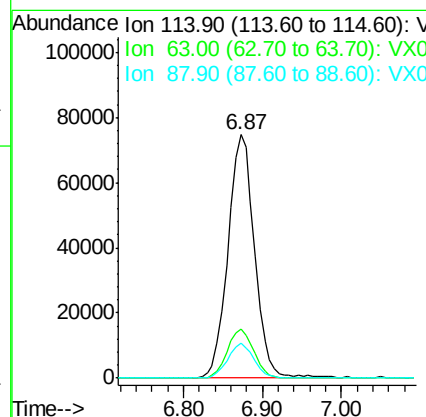
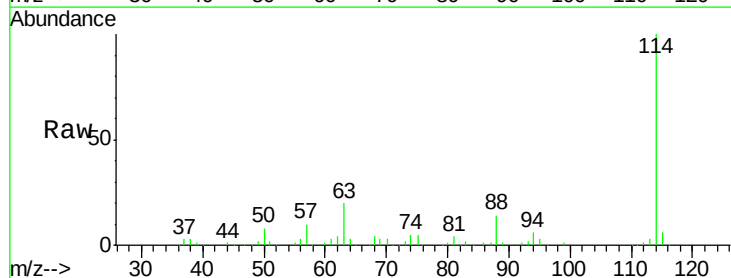
Instrument :
 MSVOA_X
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 STORAGEBLANK-WATERREF-5

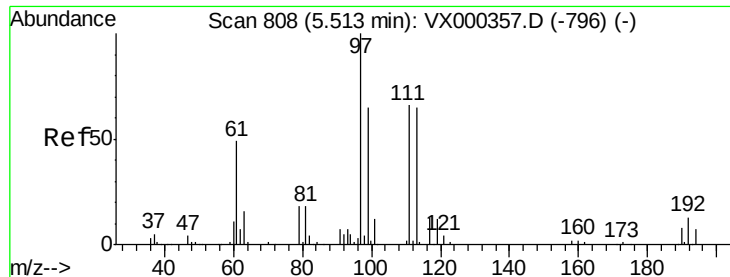
Tgt Ion: 65 Resp: 72092
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 103.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. -0.00 min
 Lab File: VX000390.D
 Acq: 21 Mar 2018 17:19

Tgt Ion: 114 Resp: 175393
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 38.4
 88 14.2 0.0 27.0





#35

Dibromofluoromethane

Concen: 49.85 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX000390.D

Acq: 21 Mar 2018 17:19

Instrument :

MSVOA_X

ClientSampleId :

STORAGEBLANK-WATERREF-5

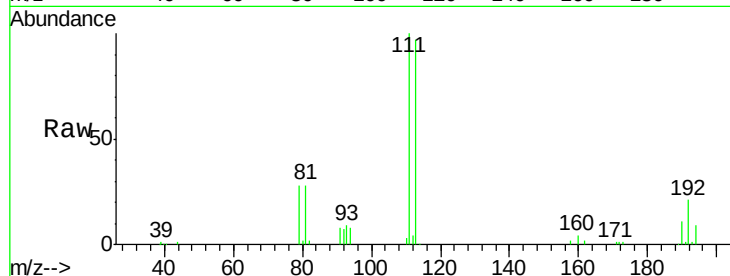
Tgt Ion:113 Resp: 55090

Ion Ratio Lower Upper

113 100

111 104.3 82.4 123.6

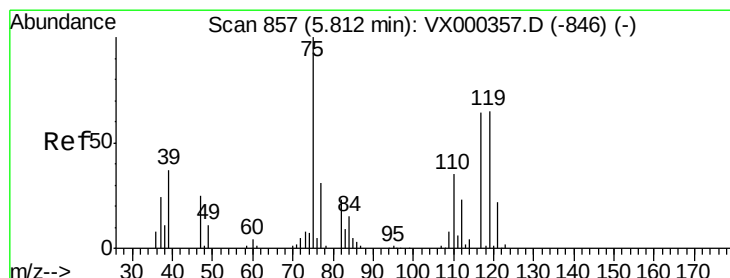
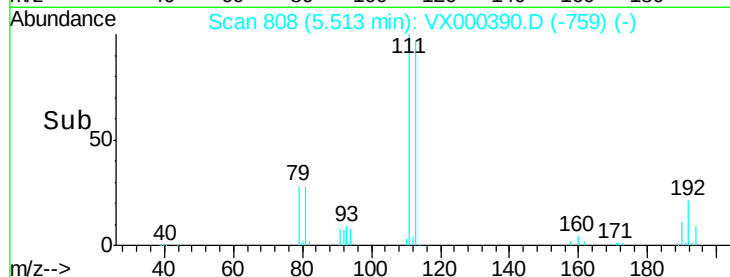
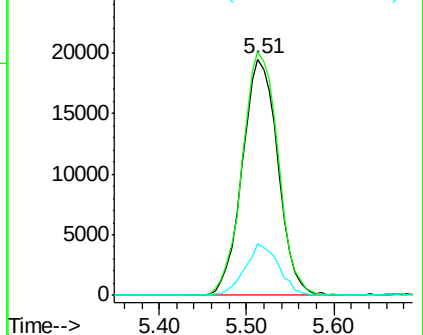
192 20.6 15.8 23.6



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: 4.95 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.14 min

Lab File: VX000390.D

Acq: 21 Mar 2018 17:19

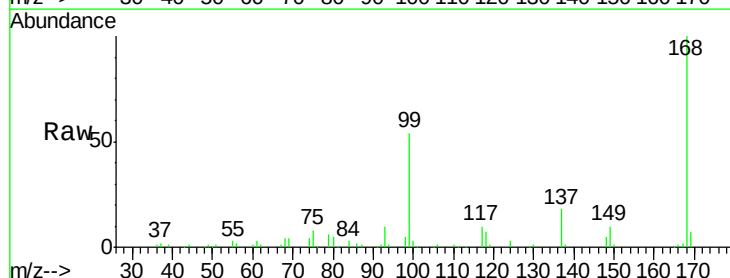
Tgt Ion: 75 Resp: 8129

Ion Ratio Lower Upper

75 100

110 10.1 17.9 53.7#

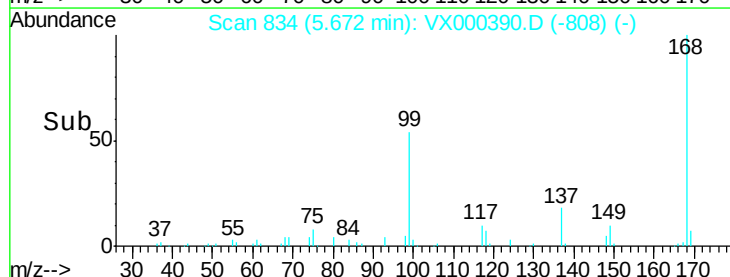
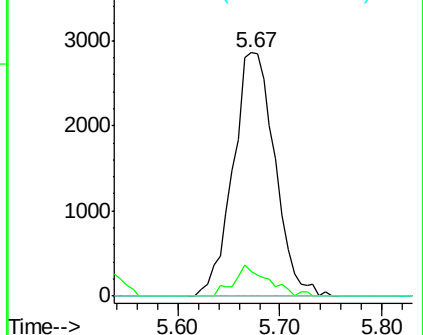
77 0.0 24.0 36.0#

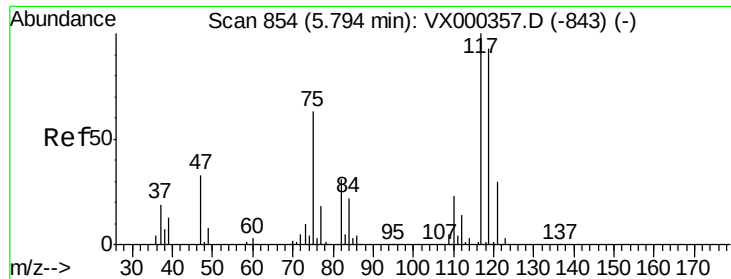


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 5.82 ug/l

RT: 5.68 min Scan# 835

Delta R.T. -0.12 min

Lab File: VX000390.D

Acq: 21 Mar 2018 17:19

Instrument :

MSVOA_X

ClientSampleId :

STORAGEBLANK-WATERREF-5

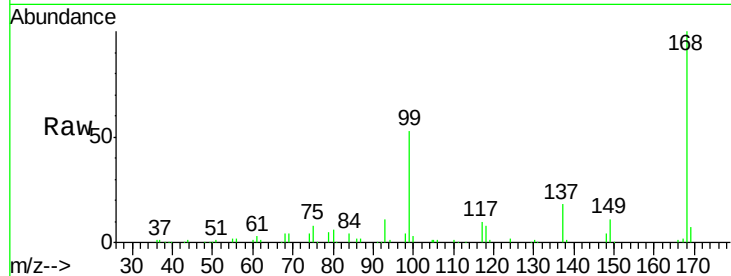
Tgt Ion:117 Resp: 10027

Ion Ratio Lower Upper

117 100

119 5.3 77.4 116.2#

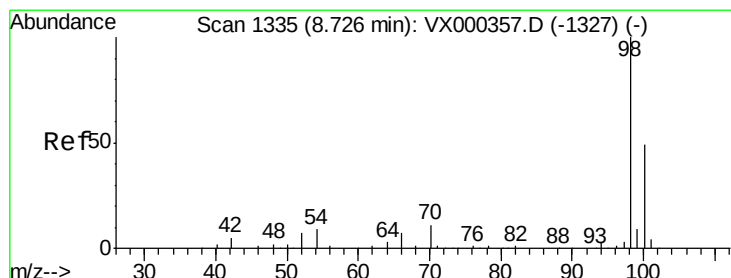
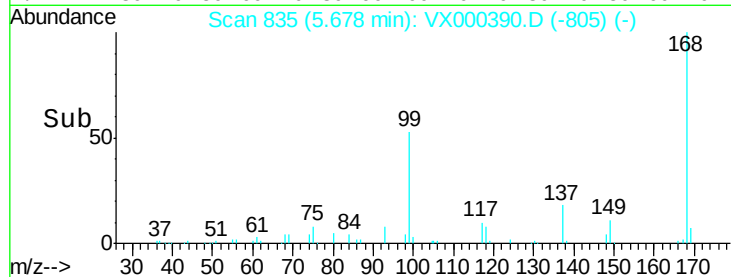
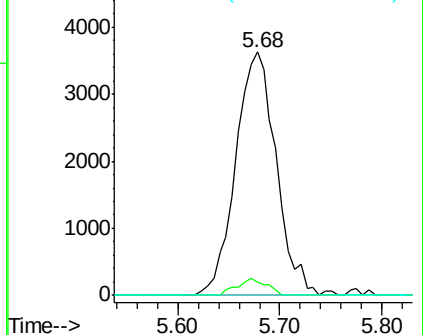
121 0.0 24.8 37.2#



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: 47.39 ug/l

RT: 8.73 min Scan# 1335

Delta R.T. -0.00 min

Lab File: VX000390.D

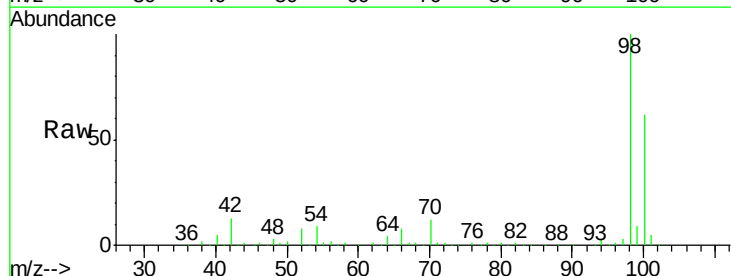
Acq: 21 Mar 2018 17:19

Tgt Ion: 98 Resp: 216886

Ion Ratio Lower Upper

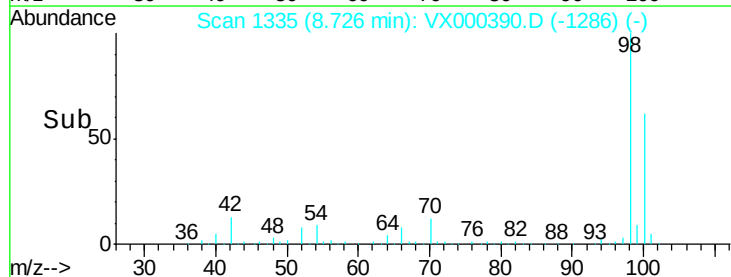
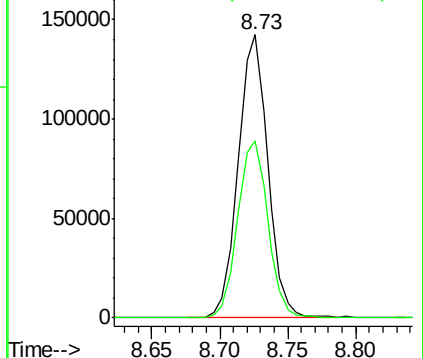
98 100

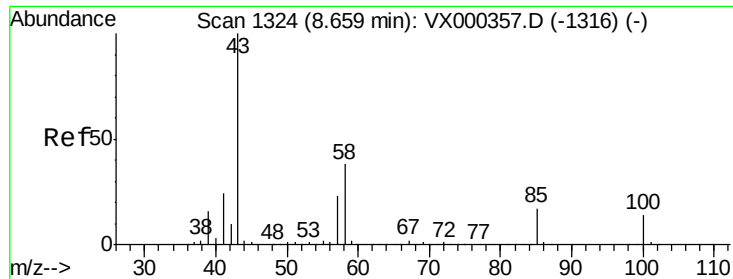
100 63.8 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

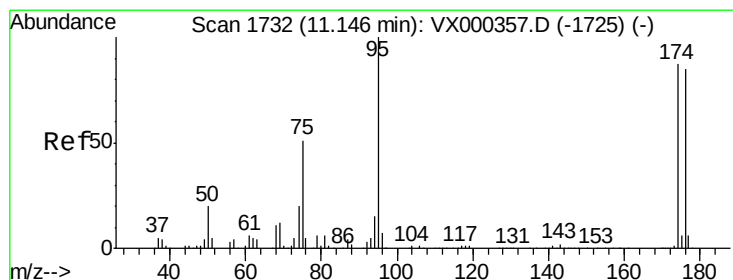
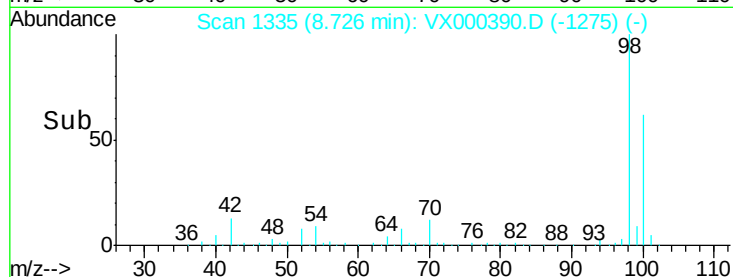
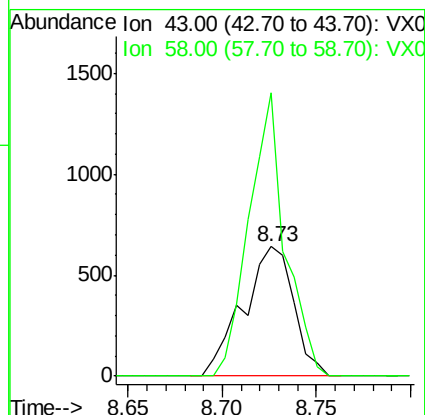
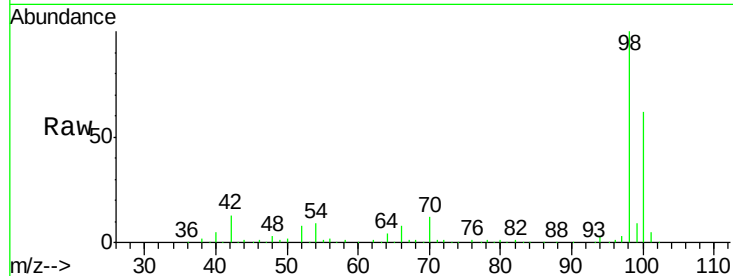




#51
 4-Methyl-2-Pentanone
 Concen: 0.46 ug/l
 RT: 8.73 min Scan# 1335
 Delta R.T. 0.07 min
 Lab File: VX000390.D
 Acq: 21 Mar 2018 17:19

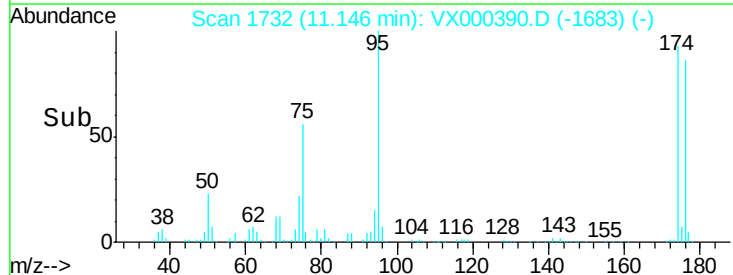
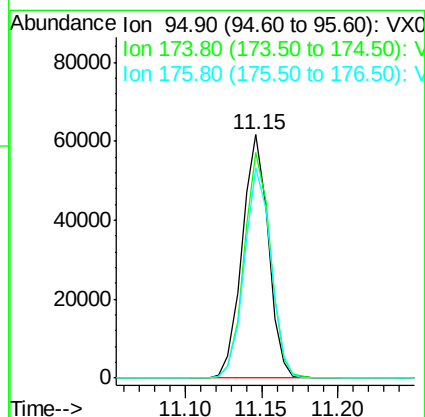
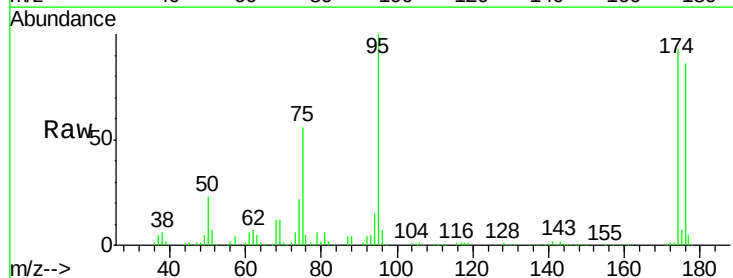
Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGEBLANK-WATERREF-5

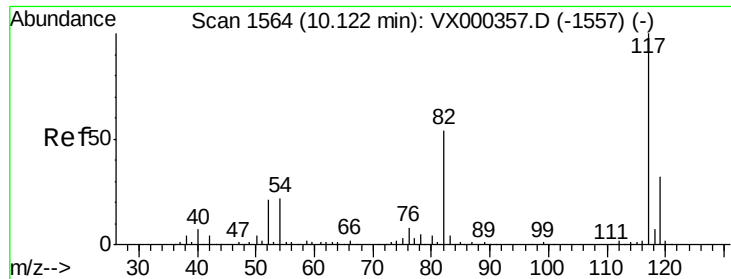
Tgt Ion: 43 Resp: 1192
 Ion Ratio Lower Upper
 43 100
 58 156.9 30.3 45.5#



#62
 4-Bromofluorobenzene
 Concen: 39.43 ug/l
 RT: 11.15 min Scan# 1732
 Delta R.T. 0.00 min
 Lab File: VX000390.D
 Acq: 21 Mar 2018 17:19

Tgt Ion: 95 Resp: 73386
 Ion Ratio Lower Upper
 95 100
 174 92.6 0.0 173.6
 176 87.9 0.0 164.6

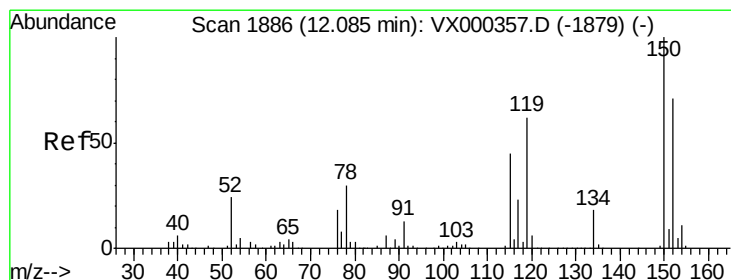
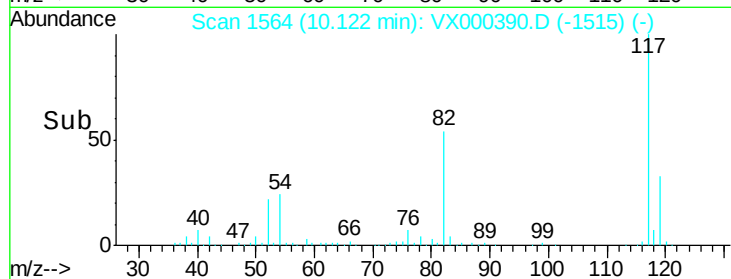
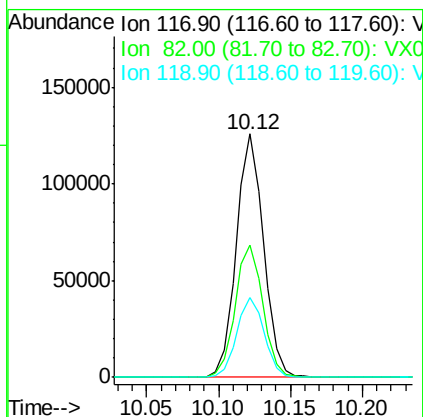
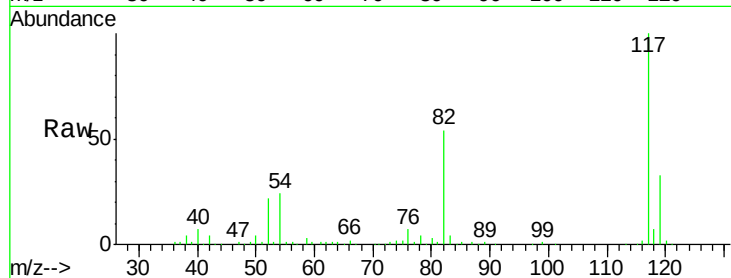




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000390.D
Acq: 21 Mar 2018 17:19

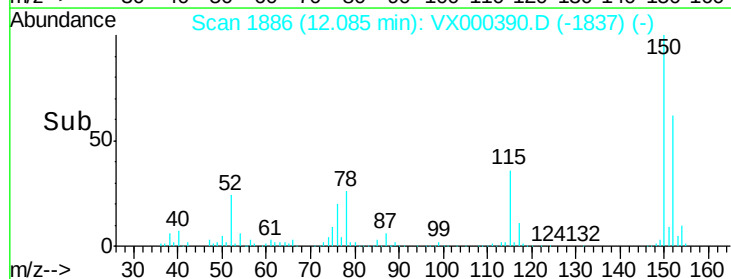
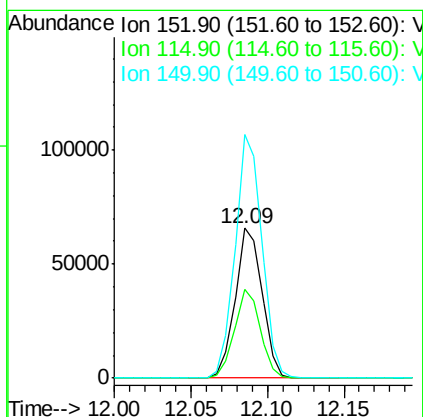
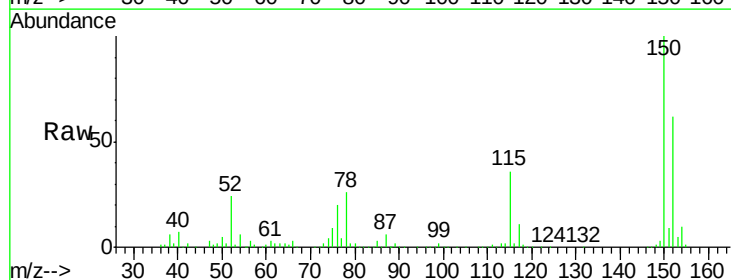
Instrument :
MSVOA_X
ClientSampleId :
STORAGEBLANK-WATERREF-5

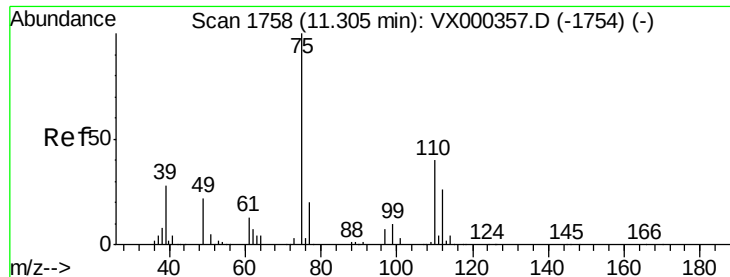
Tgt Ion:117 Resp: 166225
Ion Ratio Lower Upper
117 100
82 54.5 43.8 65.8
119 32.8 24.9 37.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX000390.D
Acq: 21 Mar 2018 17:19

Tgt Ion:152 Resp: 80017
Ion Ratio Lower Upper
152 100
115 57.0 39.8 119.3
150 161.3 0.0 344.4





#76

1,2,3-Trichloropropane

Concen: 24.73 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.16 min

Lab File: VX000390.D

Acq: 21 Mar 2018 17:19

Instrument :

MSVOA_X

ClientSampleId :

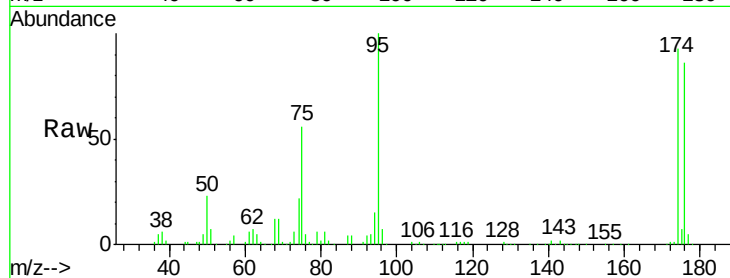
STORAGEBLANK-WATERREF-5

Tgt Ion: 75 Resp: 42524

Ion Ratio Lower Upper

75 100

77 1.4 21.4 64.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.15

40000

30000

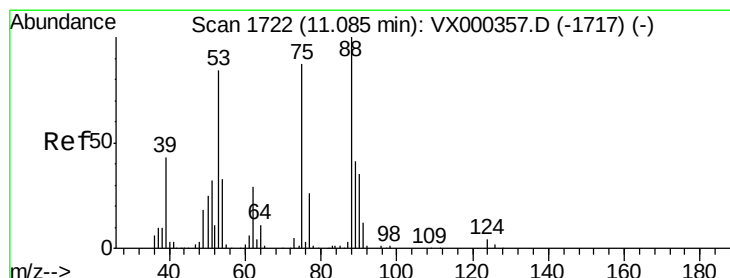
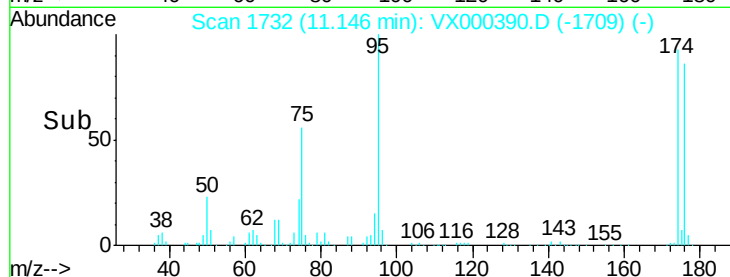
20000

10000

0

Time-->

11.10 11.15 11.20



#81

trans-1,4-Dichloro-2-butene

Concen: 80.06 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.06 min

Lab File: VX000390.D

Acq: 21 Mar 2018 17:19

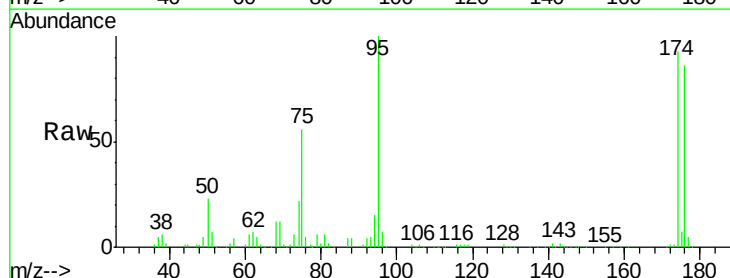
Tgt Ion: 75 Resp: 42524

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

11.15

40000

30000

20000

10000

0

Time-->

11.10 11.15 11.20

