

Data File : VX000418.D

Acq On : 22 Mar 2018 20:19

Operator : JC/MD

Sample : J2005-13

Misc : 5.0mL/MSVOA_X/WATER

ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
DUP-1-031918

Quant Time: Mar 23 05:47:36 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	88247	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	154254	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	144381	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	66089	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.08	65	63640	55.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.50%	
35) Dibromofluoromethane	5.51	113	49948	51.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.78%	
50) Toluene-d8	8.73	98	186549	46.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.68%	
62) 4-Bromofluorobenzene	11.15	95	59143	36.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	73.30%	

Target Compounds

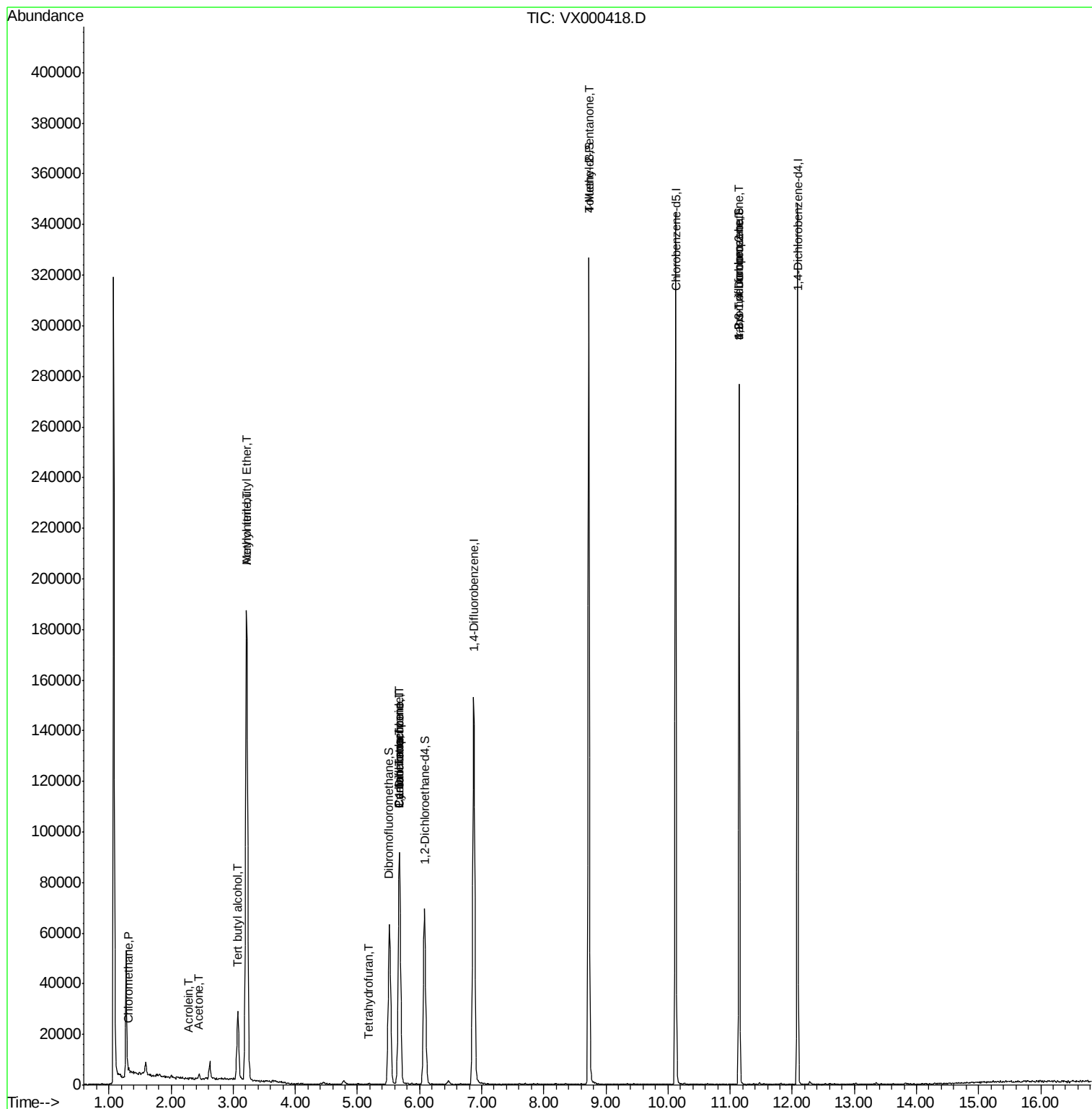
						Qvalue
3) Chloromethane	1.32	50	278	0.27	ug/l	# 40
6) Chloroethane	1.71	64	294	Below	Cal	# 61
11) Tert butyl alcohol	3.07	59	32701	82.53	ug/l	99
13) Acrolein	2.29	56	52	14.97	ug/l	# 13
14) Allyl chloride	2.73	41	55	Below	Cal	# 1
15) Acrylonitrile	3.22	53	2384	2.97	ug/l	# 25
16) Acetone	2.45	43	2290	2.39	ug/l	# 87
19) Methyl tert-butyl Ether	3.21	73	210980	59.64	ug/l	98
29) Tetrahydrofuran	5.17	42	324	0.49	ug/l	# 35
31) Cyclohexane	5.67	56	2130	1.47	ug/l	# 24
36) 1,1-Dichloropropene	5.67	75	6983	4.83	ug/l	# 51
38) Carbon Tetrachloride	5.67	117	8668	5.72	ug/l	# 16
51) 4-Methyl-2-Pentanone	8.72	43	990	0.44	ug/l	# 1
74) N-amyl acetate	6.46	43	453	Below	Cal	# 59
76) 1,2,3-Trichloropropane	11.15	75	34713	24.44	ug/l	# 35
81) trans-1,4-Dichloro-2-buten	11.15	75	34713	79.13	ug/l	# 9

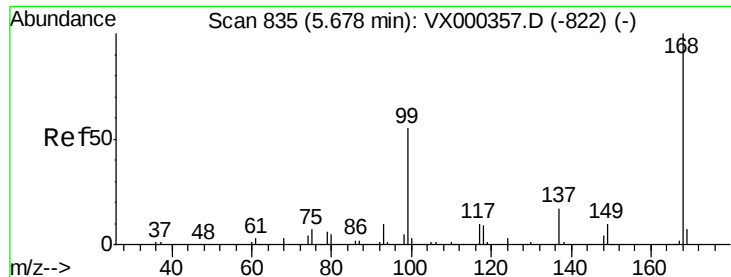
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX000418.D

Acq: 22 Mar 2018 20:19

Instrument :

MSVOA_X

ClientSampleId :

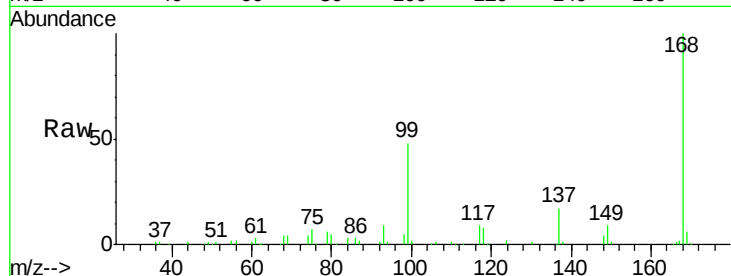
DUP-1-031918

Tgt Ion:168 Resp: 88247

Ion Ratio Lower Upper

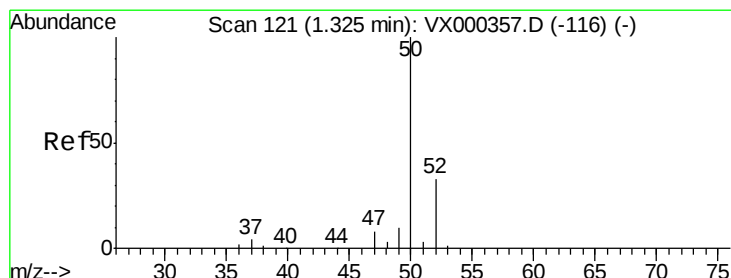
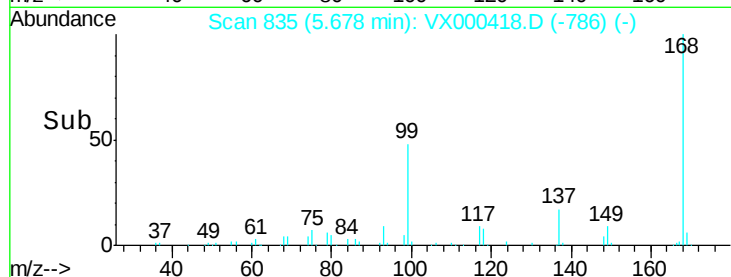
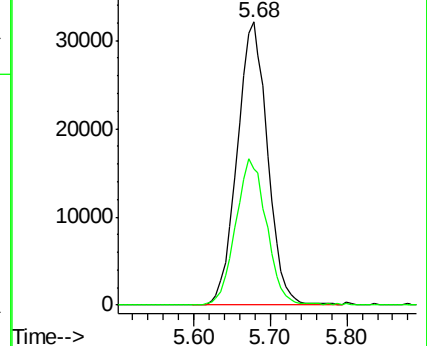
168 100

99 48.3 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: 0.27 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX000418.D

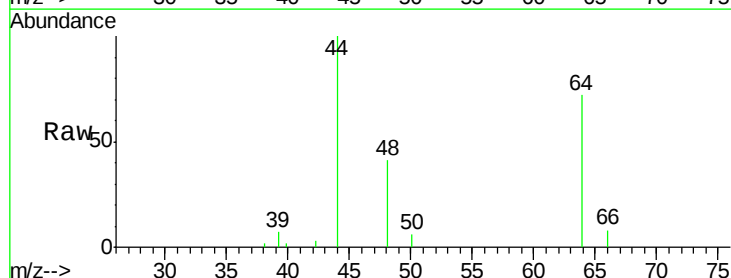
Acq: 22 Mar 2018 20:19

Tgt Ion: 50 Resp: 278

Ion Ratio Lower Upper

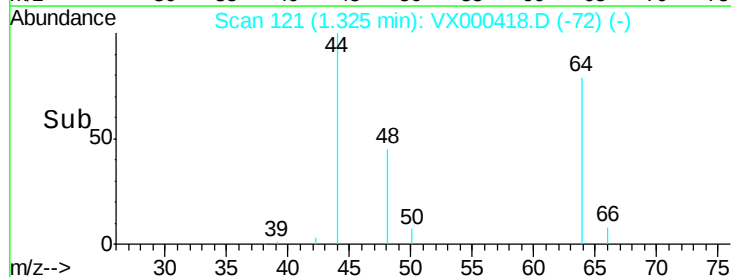
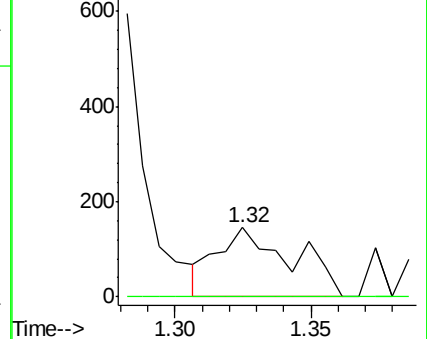
50 100

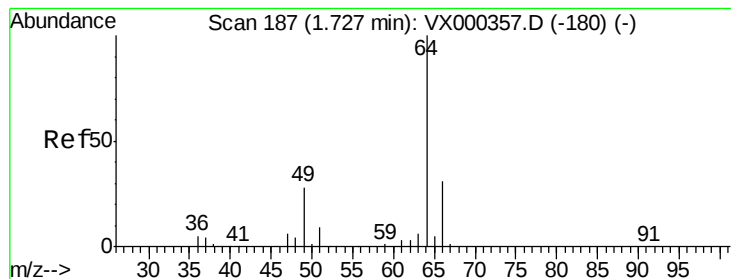
52 0.0 27.5 41.3#



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: 1.71 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX000418.D

Acq: 22 Mar 2018 20:19

Instrument :

MSVOA_X

ClientSampleId :

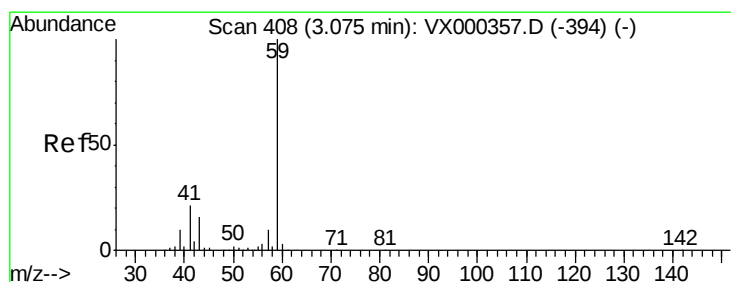
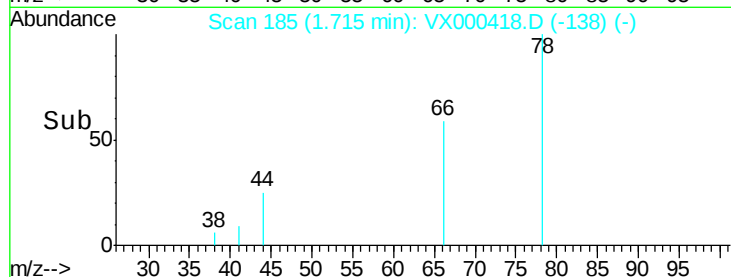
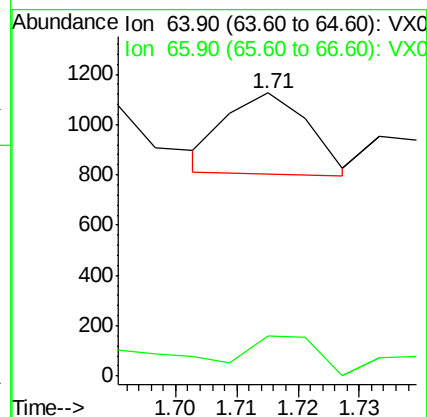
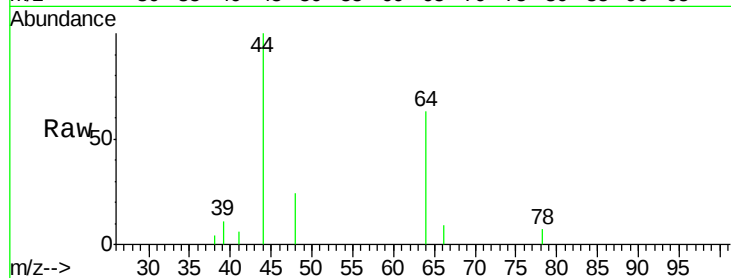
DUP-1-031918

Tgt Ion: 64 Resp: 294

Ion Ratio Lower Upper

64 100

66 52.5 24.8 37.2#



#11

Tert butyl alcohol

Concen: 82.53 ug/l

RT: 3.07 min Scan# 408

Delta R.T. -0.00 min

Lab File: VX000418.D

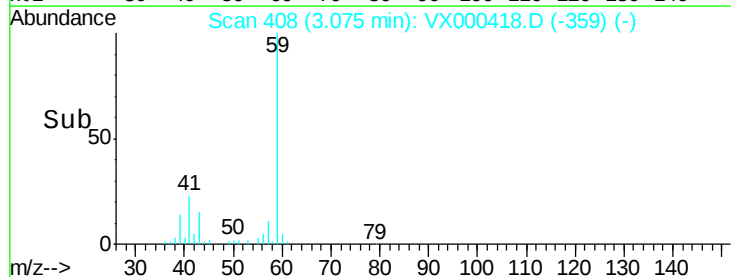
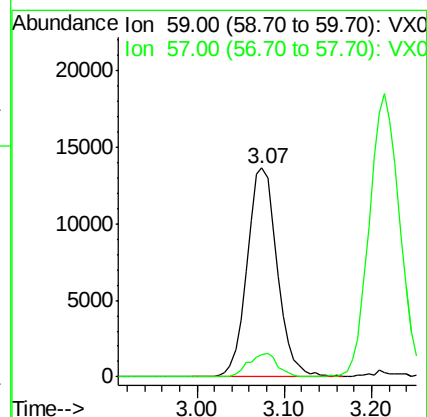
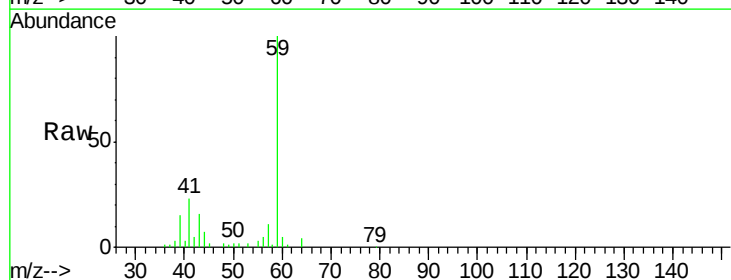
Acq: 22 Mar 2018 20:19

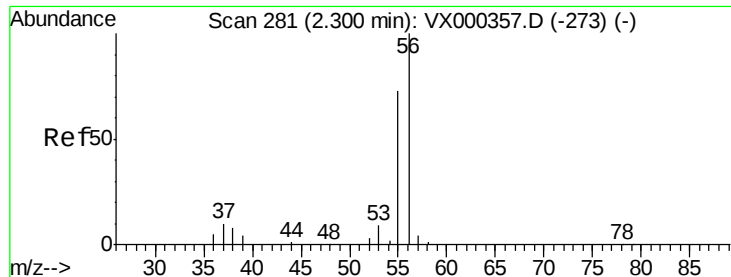
Tgt Ion: 59 Resp: 32701

Ion Ratio Lower Upper

59 100

57 10.8 8.4 12.6





#13

Acrolein

Concen: 14.97 ug/l

RT: 2.29 min Scan# 279

Delta R.T. -0.01 min

Lab File: VX000418.D

Acq: 22 Mar 2018 20:19

Instrument :

MSVOA_X

ClientSampled :

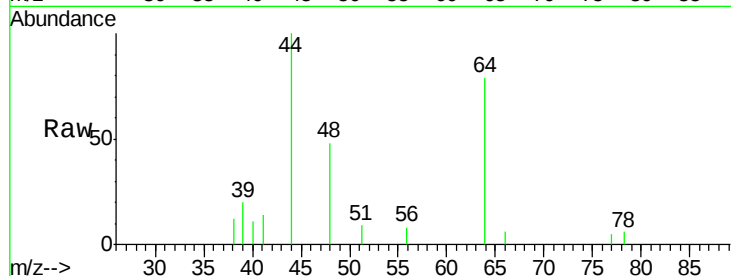
DUP-1-031918

Tgt Ion: 56 Resp: 52

Ion Ratio Lower Upper

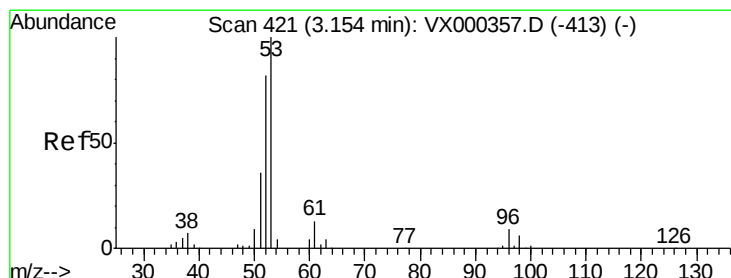
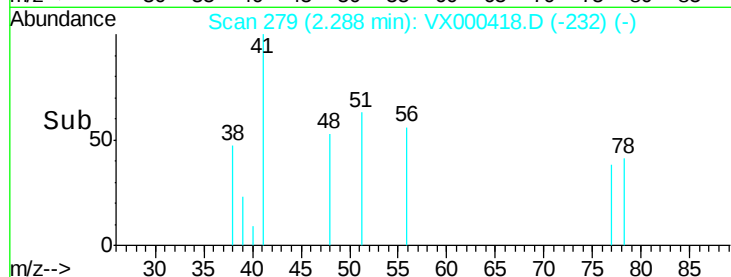
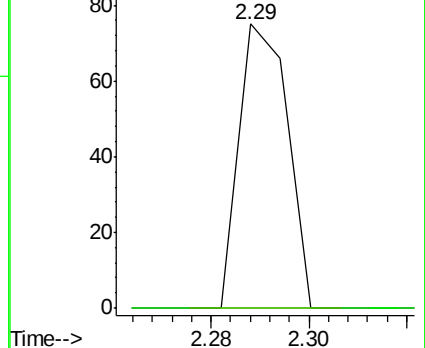
56 100

55 0.0 58.8 88.2#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#15

Acrylonitrile

Concen: 2.97 ug/l

RT: 3.22 min Scan# 432

Delta R.T. 0.07 min

Lab File: VX000418.D

Acq: 22 Mar 2018 20:19

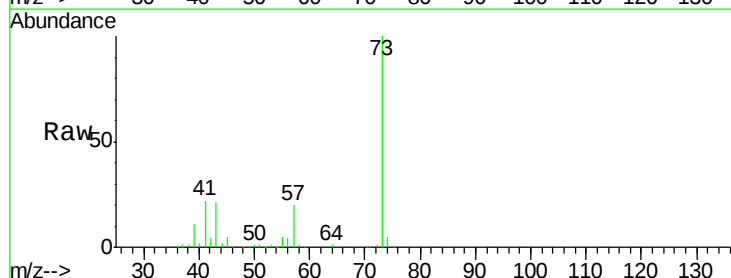
Tgt Ion: 53 Resp: 2384

Ion Ratio Lower Upper

53 100

52 27.2 66.6 99.8#

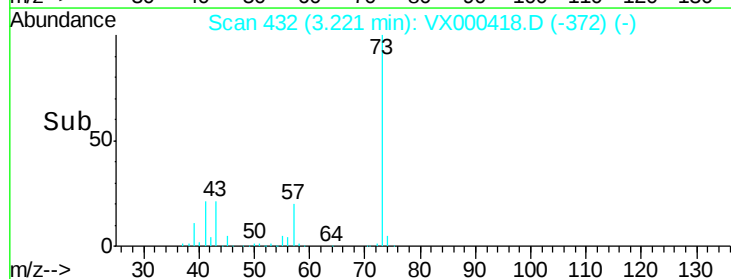
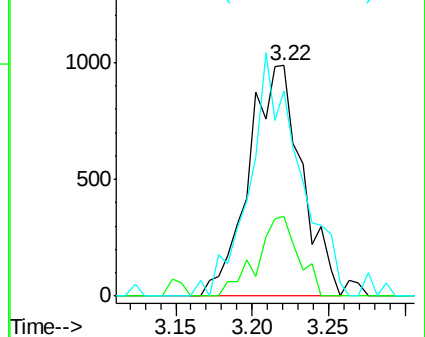
51 98.6 29.3 43.9#

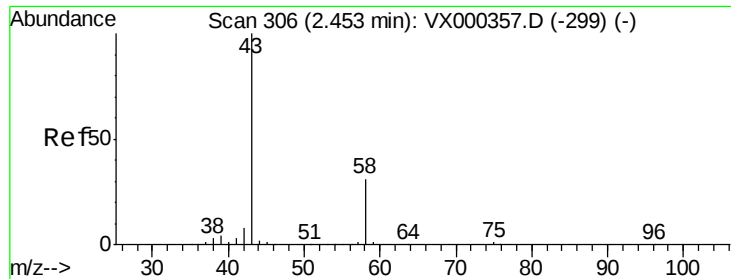


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0





#16

Acetone

Concen: 2.39 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX000418.D

Acq: 22 Mar 2018 20:19

Instrument :

MSVOA_X

ClientSampled :

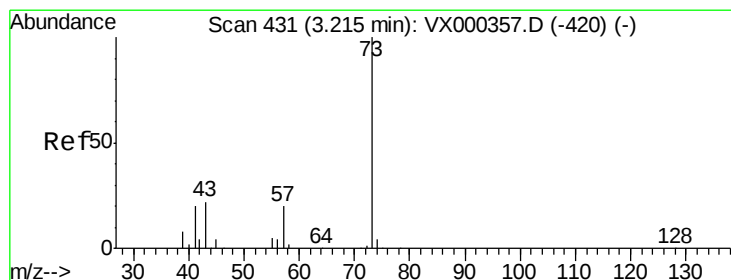
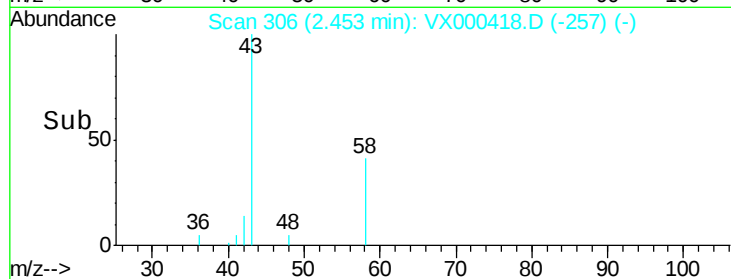
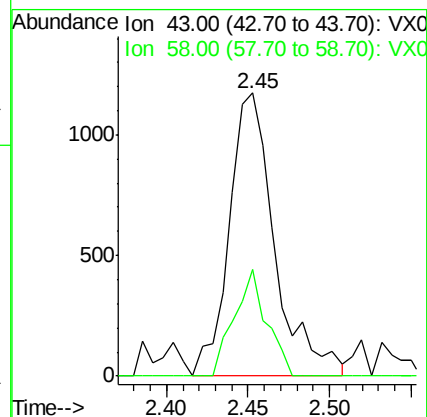
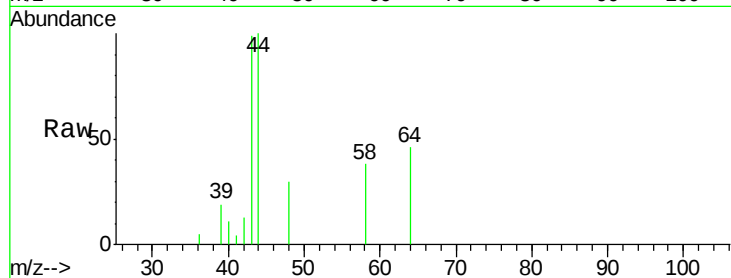
DUP-1-031918

Tgt Ion: 43 Resp: 2290

Ion Ratio Lower Upper

43 100

58 37.9 24.7 37.1#



#19

Methyl tert-butyl Ether

Concen: 59.64 ug/l

RT: 3.21 min Scan# 431

Delta R.T. -0.00 min

Lab File: VX000418.D

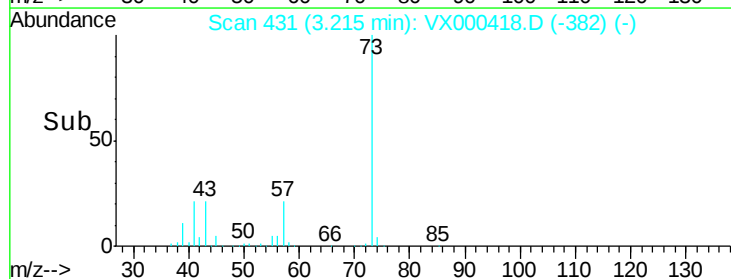
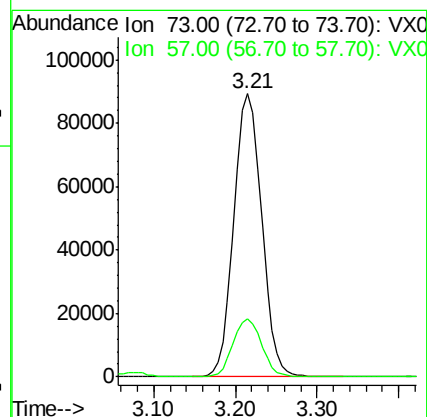
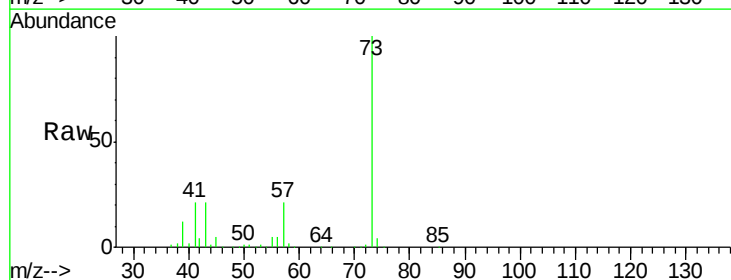
Acq: 22 Mar 2018 20:19

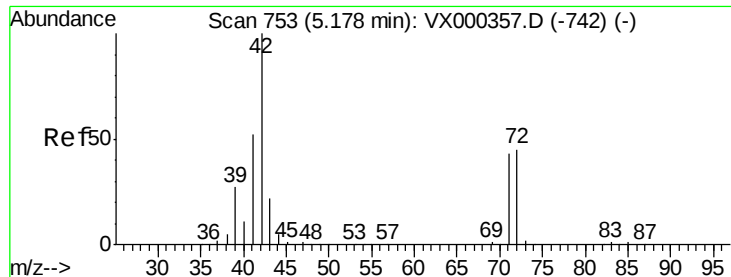
Tgt Ion: 73 Resp: 210980

Ion Ratio Lower Upper

73 100

57 20.7 17.2 25.8

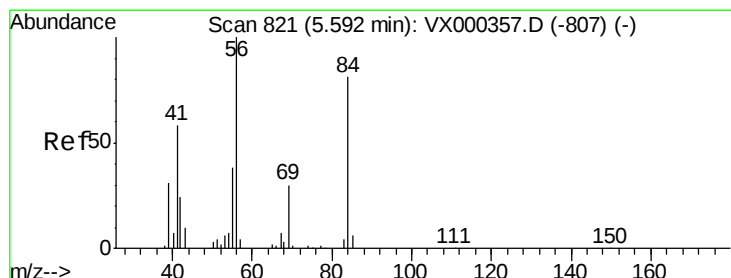
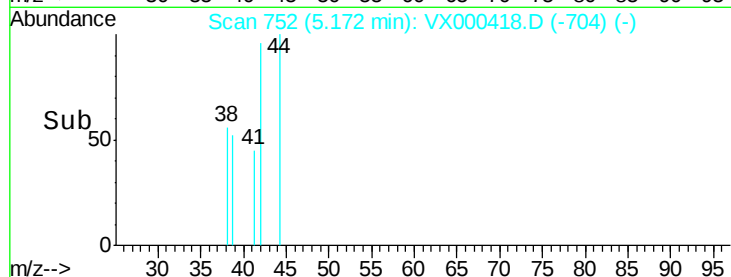
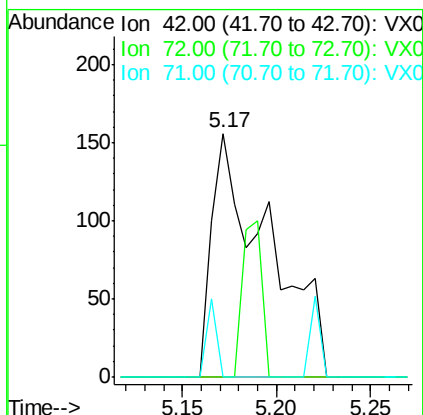
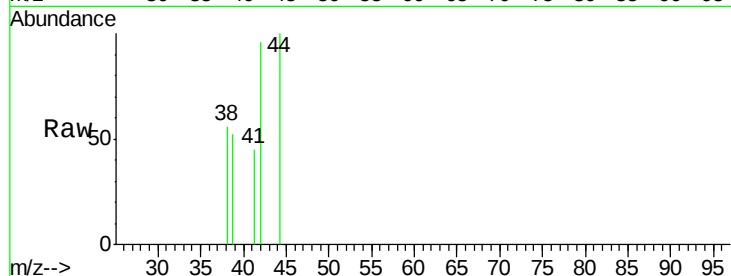




#29
Tetrahydrofuran
Concen: 0.49 ug/l
RT: 5.17 min Scan# 752
Delta R.T. -0.01 min
Lab File: VX000418.D
Acq: 22 Mar 2018 20:19

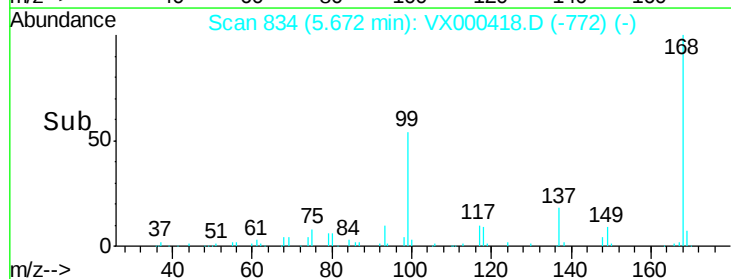
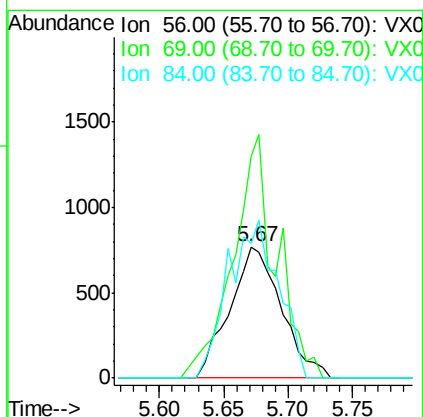
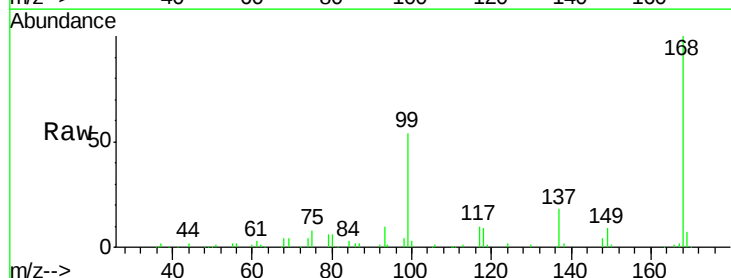
Instrument :
MSVOA_X
ClientSampleId :
DUP-1-031918

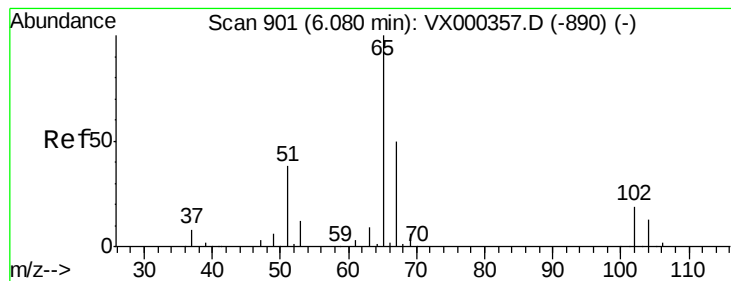
Tgt Ion: 42 Resp: 324
Ion Ratio Lower Upper
42 100
72 0.0 37.9 56.9#
71 5.6 34.4 51.6#



#31
Cyclohexane
Concen: 1.47 ug/l
RT: 5.67 min Scan# 834
Delta R.T. 0.08 min
Lab File: VX000418.D
Acq: 22 Mar 2018 20:19

Tgt Ion: 56 Resp: 2130
Ion Ratio Lower Upper
56 100
69 169.8 23.4 35.0#
84 102.7 71.0 106.4





#33

1,2-Dichloroethane-d4

Concen: 55.25 ug/l

RT: 6.08 min Scan# 901

Delta R.T. 0.00 min

Lab File: VX000418.D

Acq: 22 Mar 2018 20:19

Instrument :

MSVOA_X

ClientSampled :

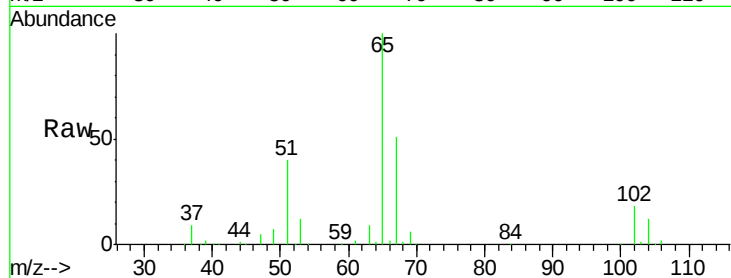
DUP-1-031918

Tgt Ion: 65 Resp: 63640

Ion Ratio Lower Upper

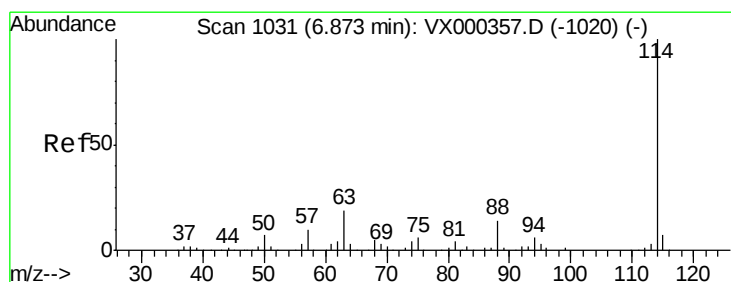
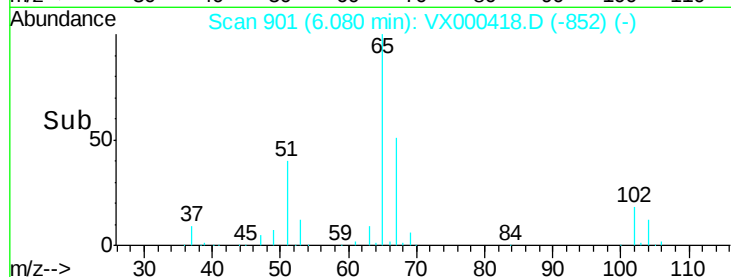
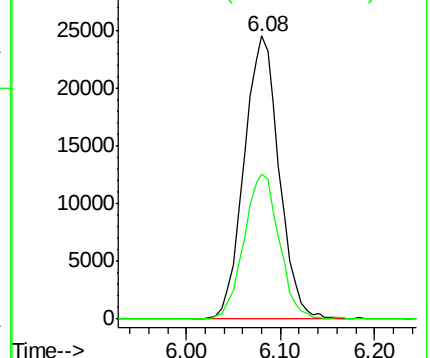
65 100

67 51.3 0.0 103.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VX000418.D

Acq: 22 Mar 2018 20:19

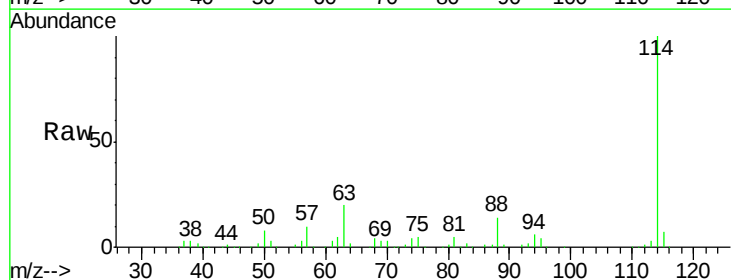
Tgt Ion: 114 Resp: 154254

Ion Ratio Lower Upper

114 100

63 19.9 0.0 38.4

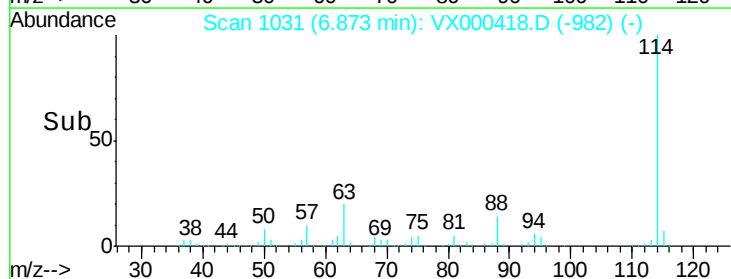
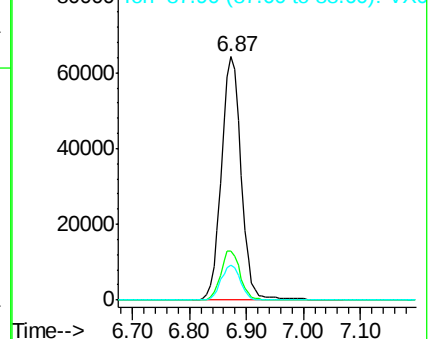
88 14.2 0.0 27.0

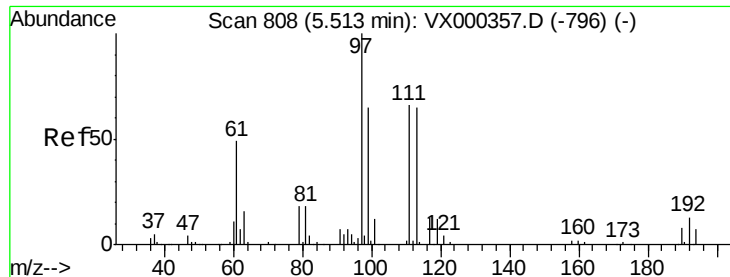


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 51.39 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX000418.D

Acq: 22 Mar 2018 20:19

Instrument :

MSVOA_X

ClientSampleId :

DUP-1-031918

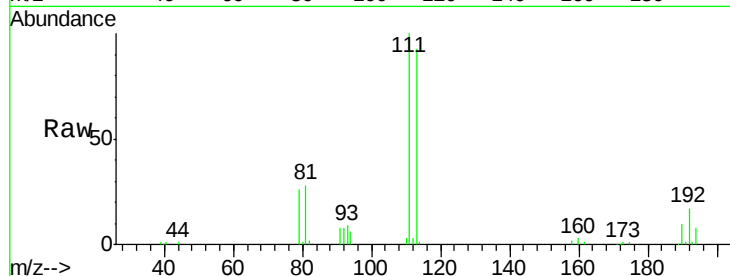
Tgt Ion:113 Resp: 49948

Ion Ratio Lower Upper

113 100

111 101.4 82.4 123.6

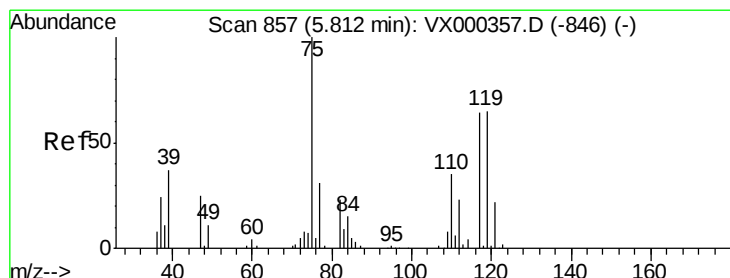
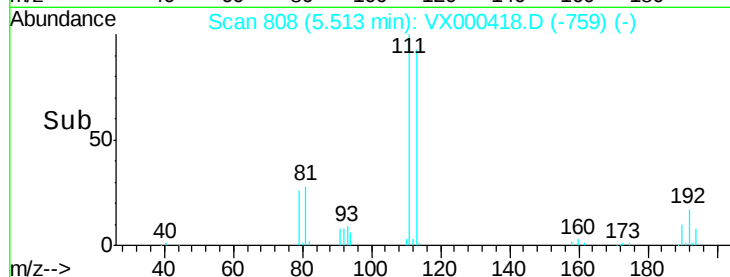
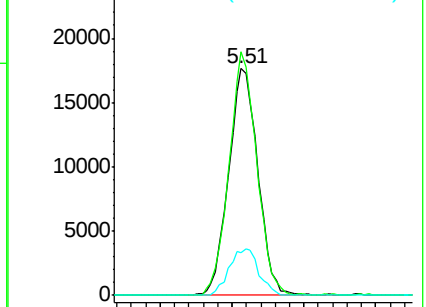
192 20.4 15.8 23.6



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: 4.83 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.14 min

Lab File: VX000418.D

Acq: 22 Mar 2018 20:19

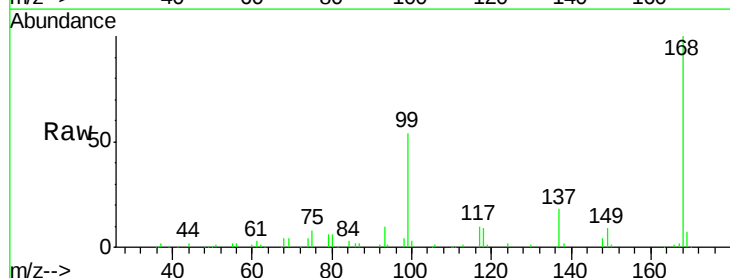
Tgt Ion: 75 Resp: 6983

Ion Ratio Lower Upper

75 100

110 10.4 17.9 53.7#

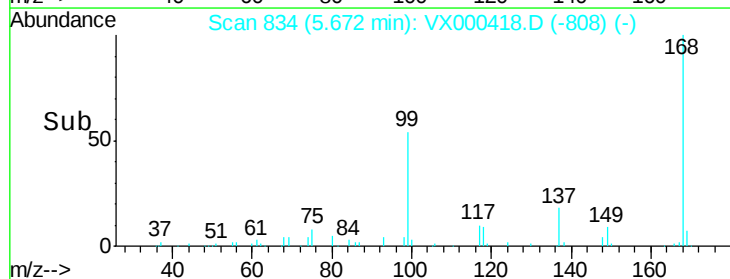
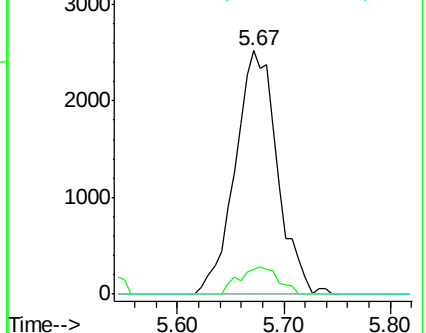
77 0.0 24.0 36.0#

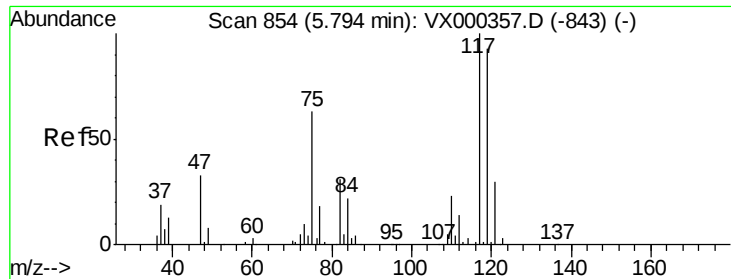


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 5.72 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX000418.D

Acq: 22 Mar 2018 20:19

Instrument :

MSVOA_X

ClientSampleId :

DUP-1-031918

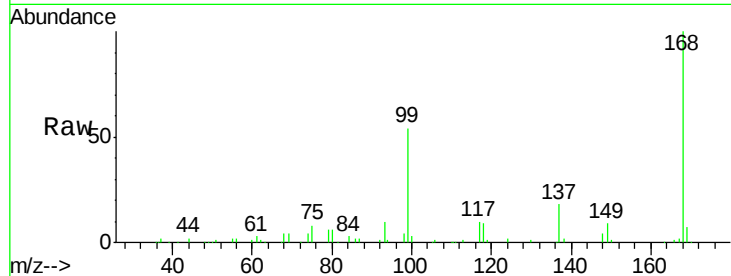
Tgt Ion:117 Resp: 8668

Ion Ratio Lower Upper

117 100

119 5.5 77.4 116.2#

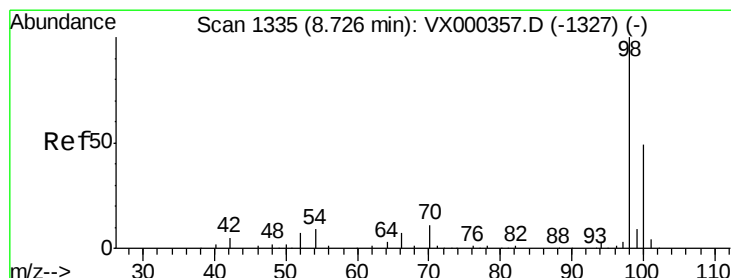
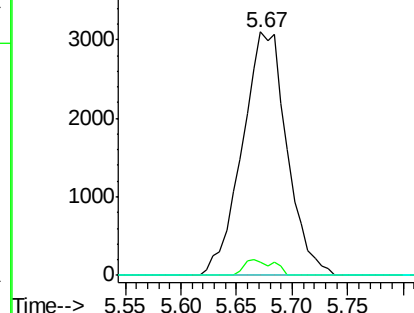
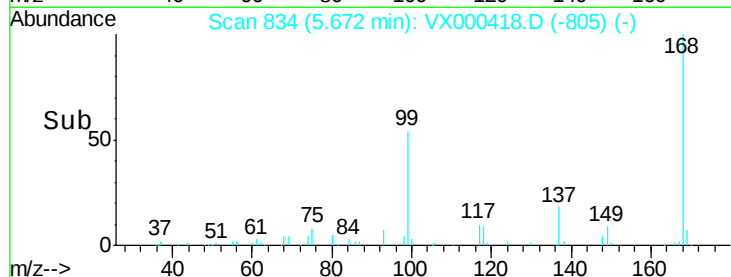
121 0.0 24.8 37.2#



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: 46.34 ug/l

RT: 8.73 min Scan# 1335

Delta R.T. -0.00 min

Lab File: VX000418.D

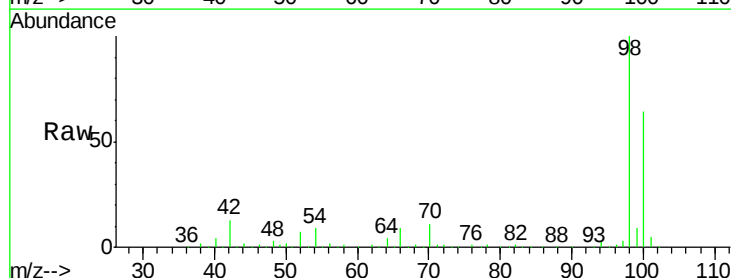
Acq: 22 Mar 2018 20:19

Tgt Ion: 98 Resp: 186549

Ion Ratio Lower Upper

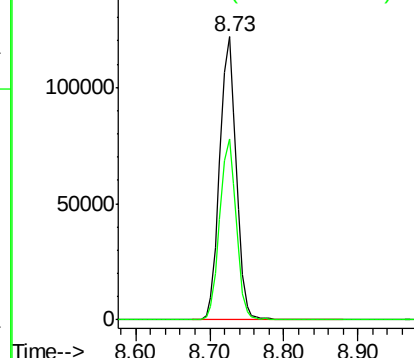
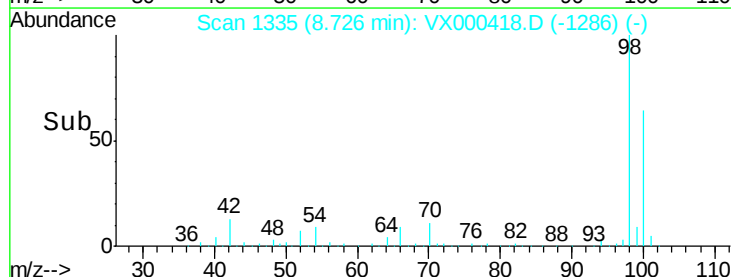
98 100

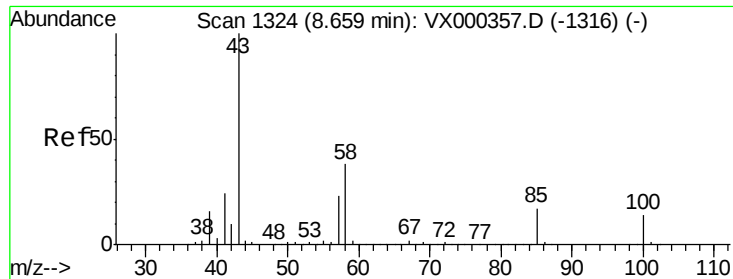
100 63.6 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

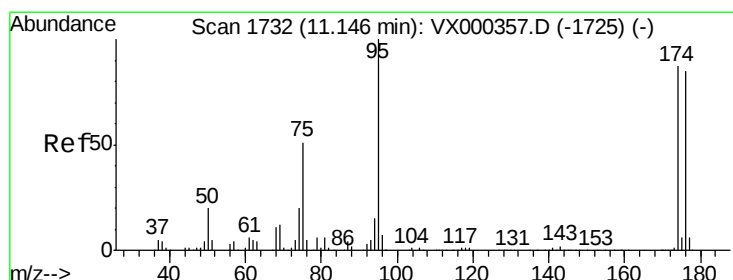
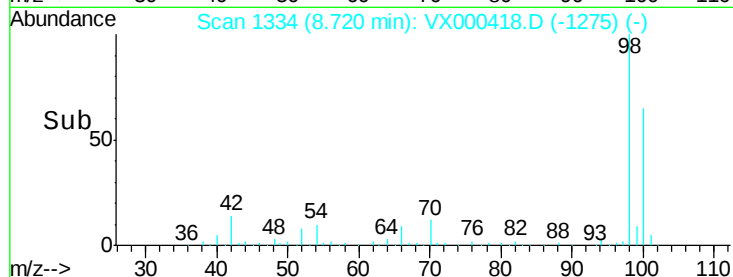
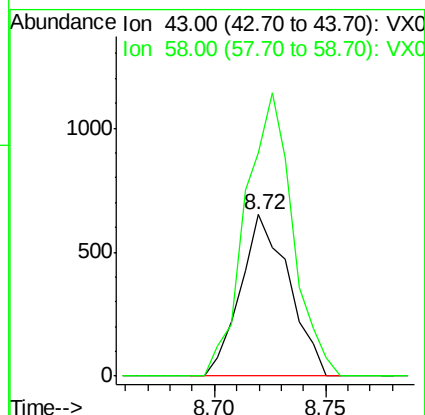
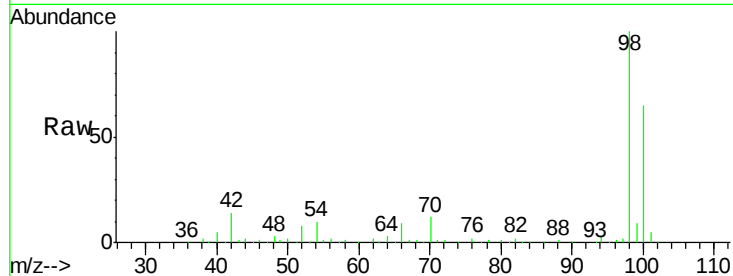




#51
 4-Methyl-2-Pentanone
 Concen: 0.44 ug/l
 RT: 8.72 min Scan# 1334
 Delta R.T. 0.06 min
 Lab File: VX000418.D
 Acq: 22 Mar 2018 20:19

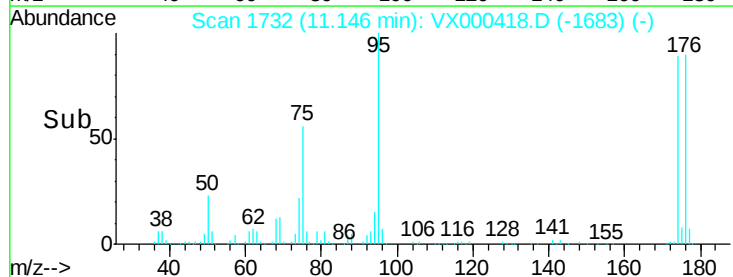
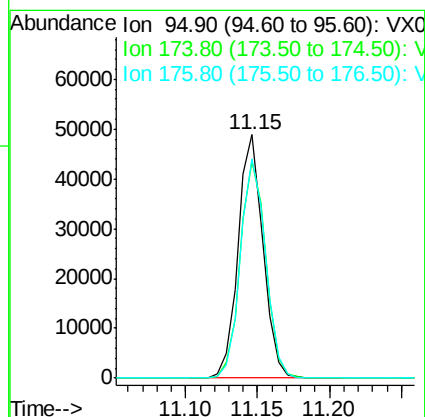
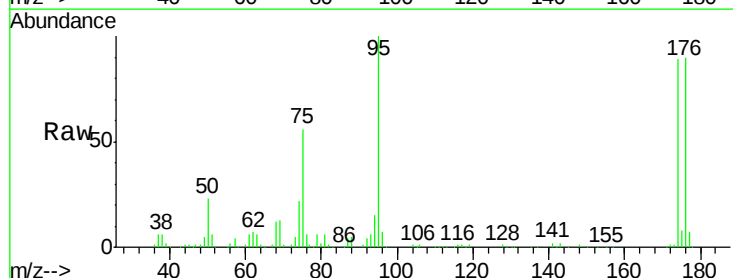
Instrument :
 MSVOA_X
 ClientSampled :
 DUP-1-031918

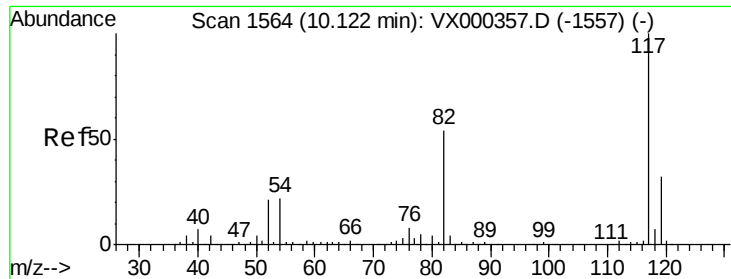
Tgt Ion: 43 Resp: 990
 Ion Ratio Lower Upper
 43 100
 58 171.0 30.3 45.5#



#62
 4-Bromofluorobenzene
 Concen: 36.65 ug/l
 RT: 11.15 min Scan# 1732
 Delta R.T. 0.00 min
 Lab File: VX000418.D
 Acq: 22 Mar 2018 20:19

Tgt Ion: 95 Resp: 59143
 Ion Ratio Lower Upper
 95 100
 174 91.1 0.0 173.6
 176 90.6 0.0 164.6

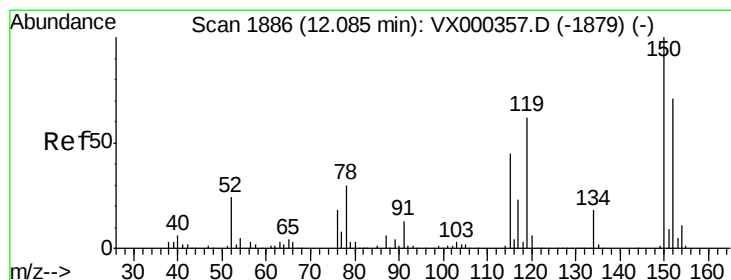
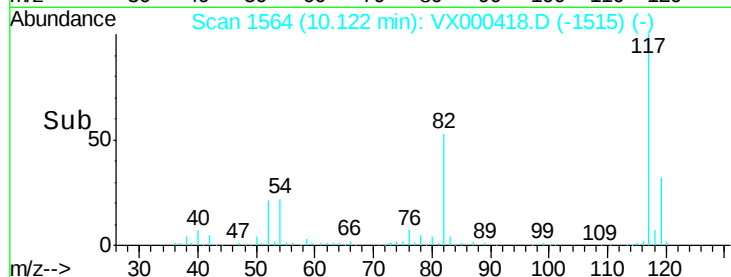
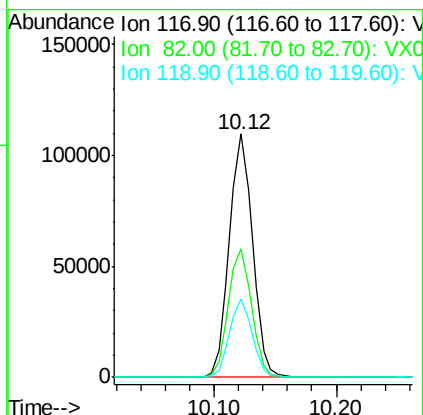
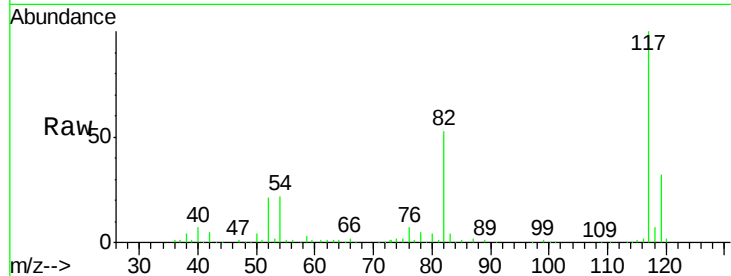




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000418.D
Acq: 22 Mar 2018 20:19

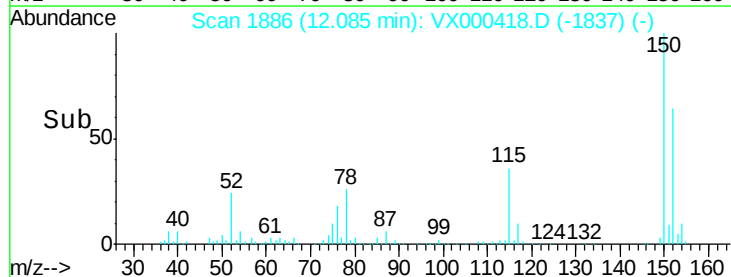
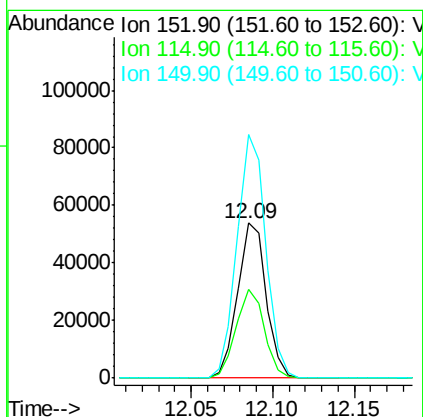
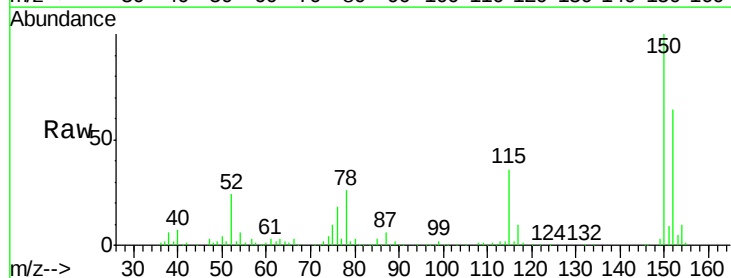
Instrument :
MSVOA_X
ClientSampled :
DUP-1-031918

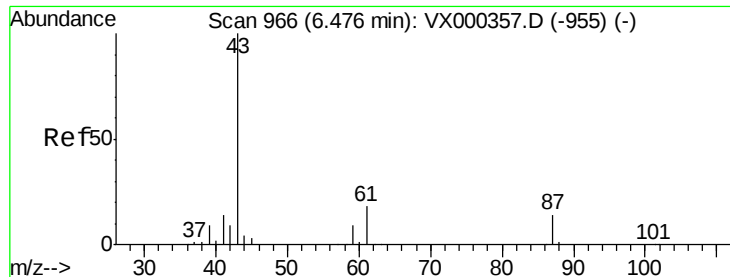
Tgt Ion:117 Resp: 144381
Ion Ratio Lower Upper
117 100
82 52.9 43.8 65.8
119 32.3 24.9 37.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX000418.D
Acq: 22 Mar 2018 20:19

Tgt Ion:152 Resp: 66089
Ion Ratio Lower Upper
152 100
115 56.6 39.8 119.3
150 157.8 0.0 344.4





#74

N-amyI acetate

Concen: Below Cal

RT: 6.46 min Scan# 963

Delta R.T. -0.02 min

Lab File: VX000418.D

Acq: 22 Mar 2018 20:19

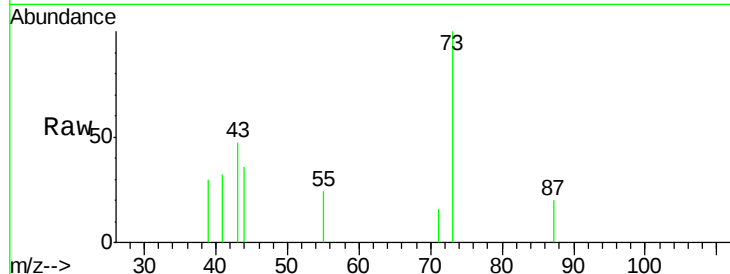
Instrument :

MSVOA_X

ClientSampleId :

DUP-1-031918

Tgt Ion:	43	Resp:	453
Ion	Ratio	Lower	Upper
43	100		
70	0.0	0.0	0.0
55	95.4	0.0	0.0#
61	0.0	14.4	21.6#

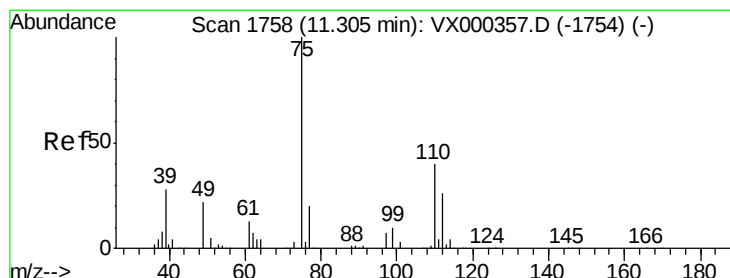
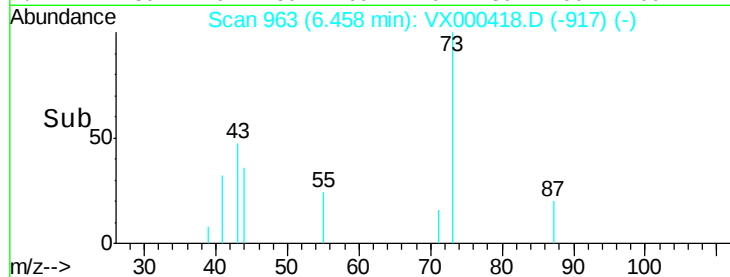
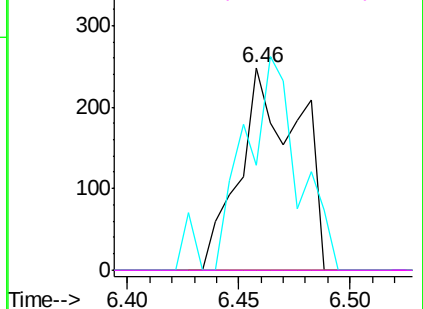


Abundance Ion 43.00 (42.70 to 43.70): VX0

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



#76

1,2,3-Trichloropropane

Concen: 24.44 ug/l

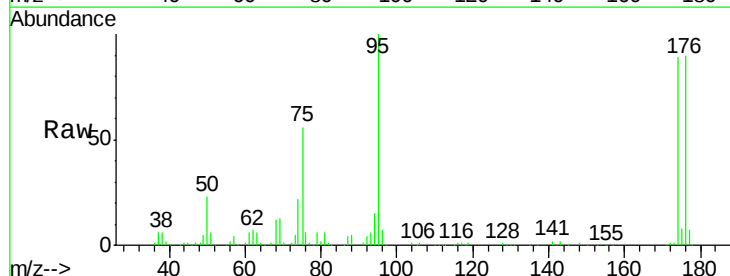
RT: 11.15 min Scan# 1732

Delta R.T. -0.16 min

Lab File: VX000418.D

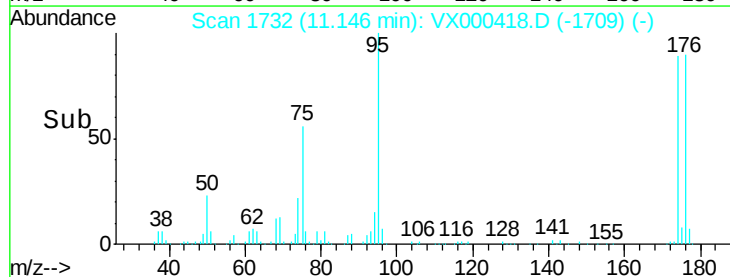
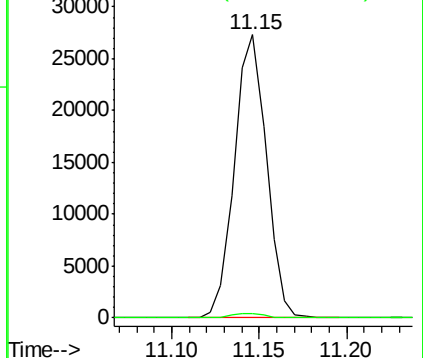
Acq: 22 Mar 2018 20:19

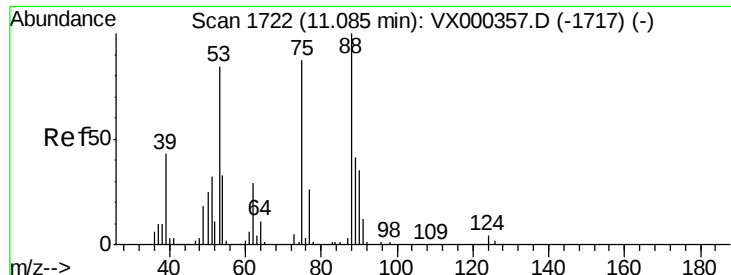
Tgt Ion:	75	Resp:	34713
Ion	Ratio	Lower	Upper
75	100		
77	1.6	21.4	64.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 79.13 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.06 min

Lab File: VX000418.D

Acq: 22 Mar 2018 20:19

Instrument :

MSVOA_X

ClientSampleId :

DUP-1-031918

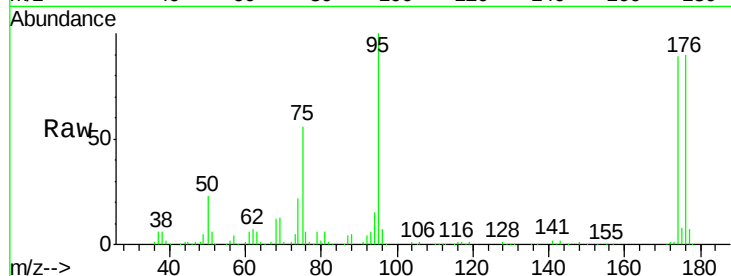
Tgt Ion: 75 Resp: 34713

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

