

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX032818\
 Data File : VX000503.D
 Acq On : 28 Mar 2018 21:24
 Operator : JC/MD
 Sample : J2102-04 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 CHRT25382

Quant Time: Mar 29 04:13:58 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	101327	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	186916	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	188054	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	103673	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	74811	56.56	ug/l	0.00
Spiked Amount			Recovery	=	113.12%	
35) Dibromofluoromethane	5.51	113	60040	50.98	ug/l	0.00
Spiked Amount			Recovery	=	101.96%	
50) Toluene-d8	8.73	98	237362	48.66	ug/l	0.00
Spiked Amount			Recovery	=	97.32%	
62) 4-Bromofluorobenzene	11.15	95	82028	41.06	ug/l	0.00
Spiked Amount			Recovery	=	82.12%	

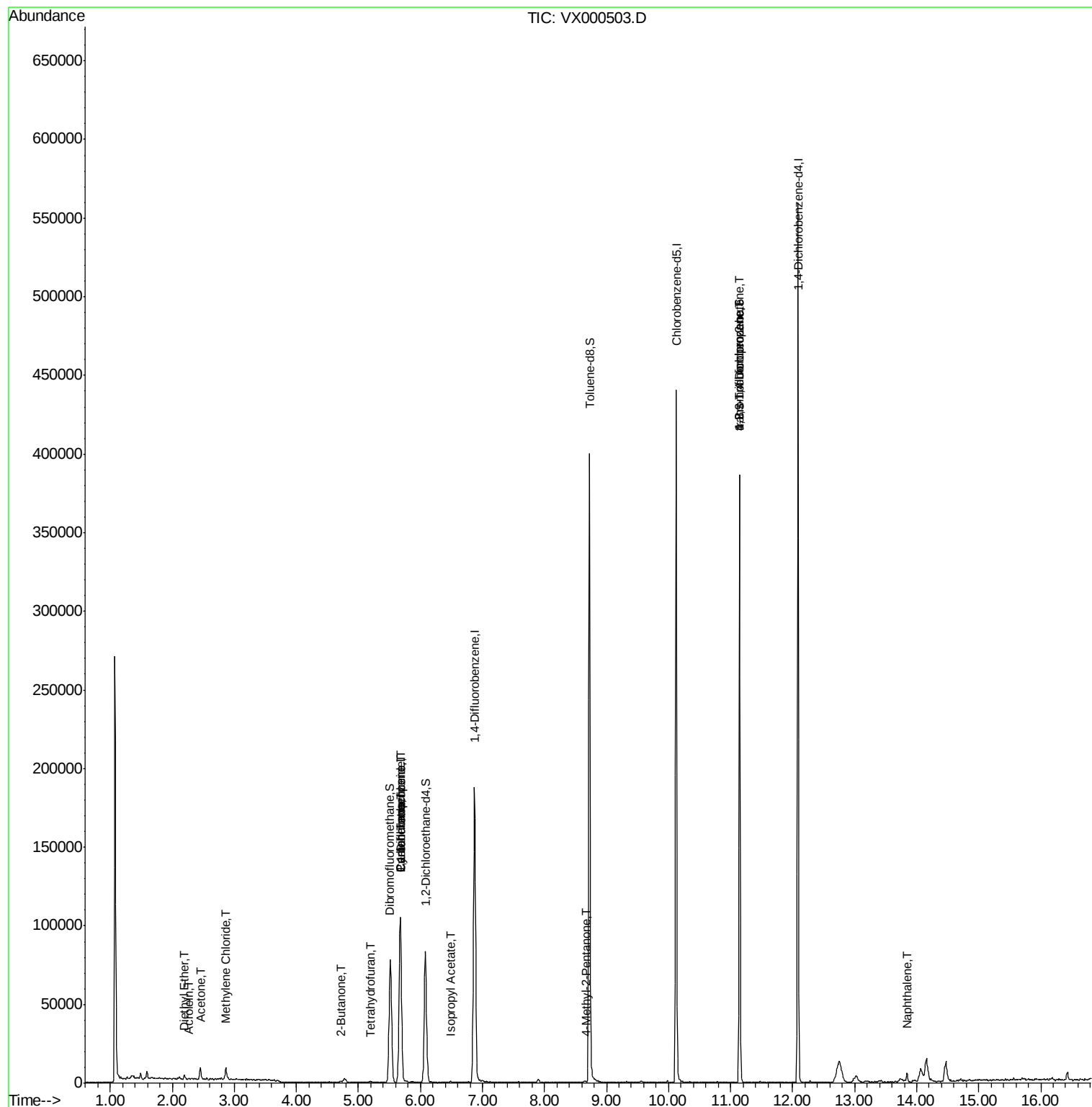
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.71	64	161	Below Cal	#	44
8) Diethyl Ether	2.20	74	841	1.05	ug/l #	52
13) Acrolein	2.27	56	20	14.71	ug/l #	13
16) Acetone	2.45	43	8404	7.64	ug/l #	86
20) Methylene Chloride	2.86	84	3334	2.62	ug/l	87
25) 2-Butanone	4.73	43	1092	0.88	ug/l	98
29) Tetrahydrofuran	5.18	42	221	0.29	ug/l #	67
31) Cyclohexane	5.68	56	2522	1.51	ug/l #	63
36) 1,1-Dichloropropene	5.68	75	7627	4.36	ug/l #	51
38) Carbon Tetrachloride	5.67	117	10125	5.51	ug/l #	15
43) Isopropyl Acetate	6.48	43	1056	0.30	ug/l #	75
51) 4-Methyl-2-Pentanone	8.67	43	741	0.27	ug/l #	71
74) N-amyl acetate	6.48	43	1056	Below Cal	#	81
76) 1,2,3-Trichloropropane	11.15	75	48036	21.56	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.15	75	48036	69.80	ug/l #	9
95) Naphthalene	13.84	128	3121	0.37	ug/l	96

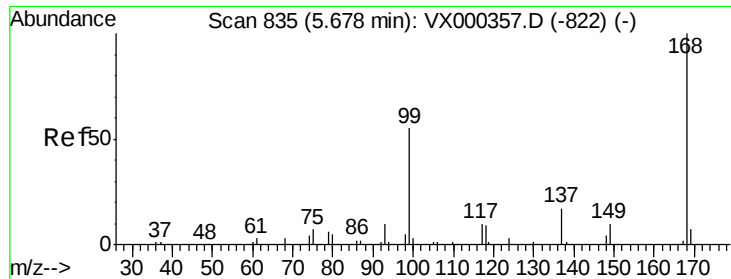
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.01 min

Lab File: VX000503.D

Acq: 28 Mar 2018 21:24

Instrument :

MSVOA_X

ClientSampleId :

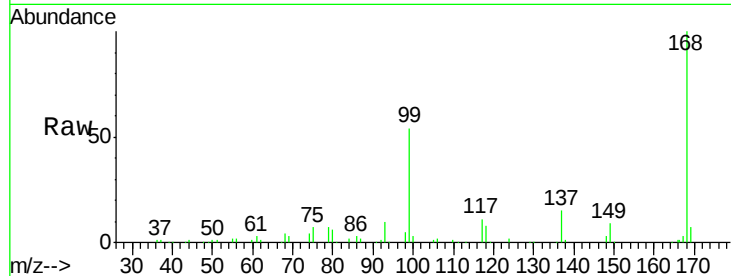
CHRT25382

Tgt Ion: 168 Resp: 101327

Ion Ratio Lower Upper

168 100

99 53.8 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

40000

30000

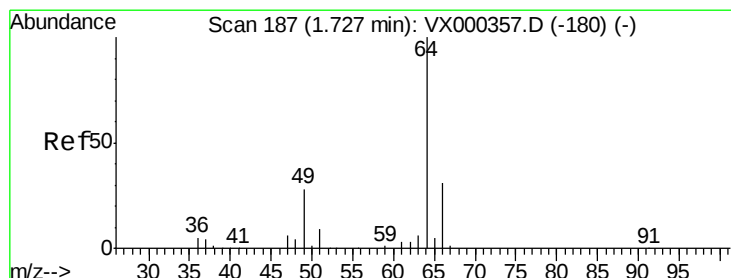
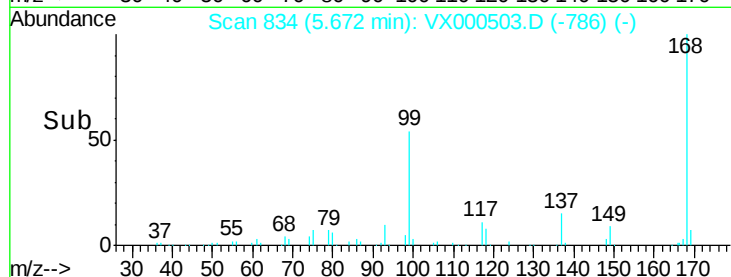
20000

10000

0

5.60 5.70 5.80

Time-->



#6

Chloroethane

Concen: Below Cal

RT: 1.71 min Scan# 184

Delta R.T. -0.02 min

Lab File: VX000503.D

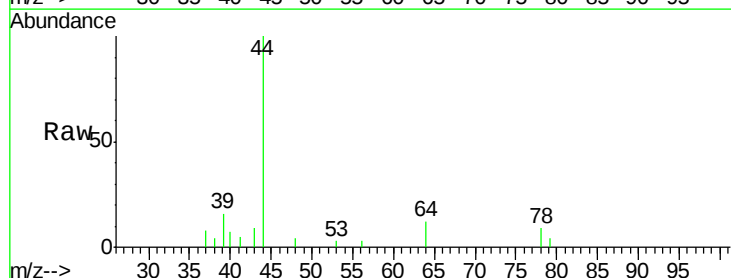
Acq: 28 Mar 2018 21:24

Tgt Ion: 64 Resp: 161

Ion Ratio Lower Upper

64 100

66 0.0 24.8 37.2#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.71

300

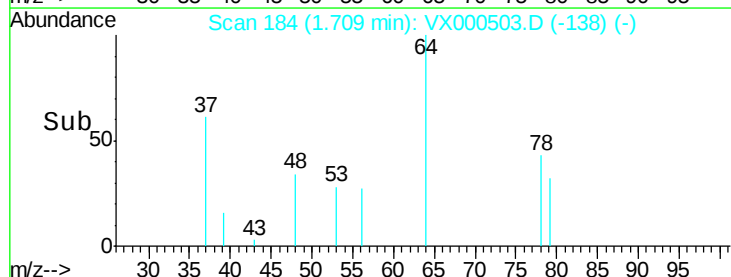
200

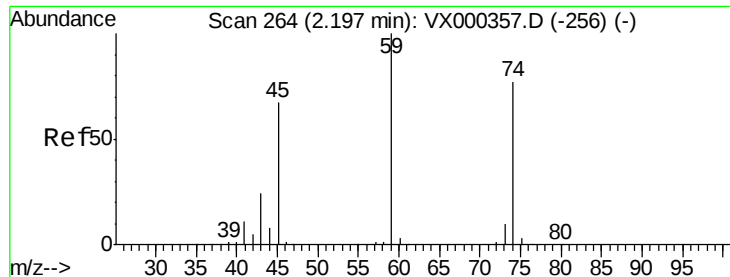
100

0

1.68 1.70 1.72

Time-->





#8

Diethyl Ether

Concen: 1.05 ug/l

RT: 2.20 min Scan# 264

Delta R.T. 0.00 min

Lab File: VX000503.D

Acq: 28 Mar 2018 21:24

Instrument :

MSVOA_X

ClientSampleId :

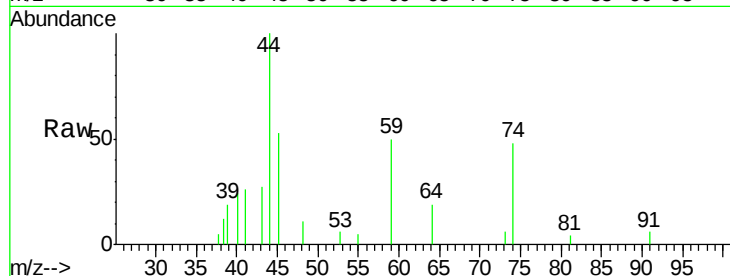
CHRT25382

Tgt Ion: 74 Resp: 841

Ion Ratio Lower Upper

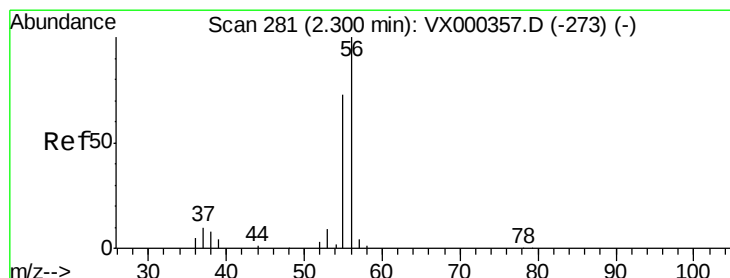
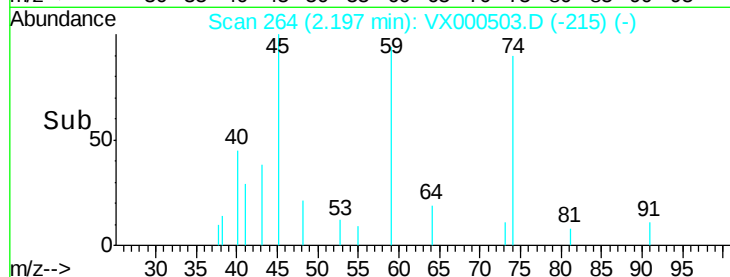
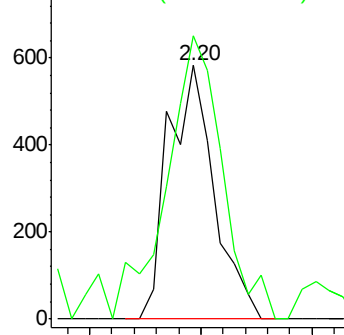
74 100

45 135.3 45.1 135.3#



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



#13

Acrolein

Concen: 14.71 ug/l

RT: 2.27 min Scan# 276

Delta R.T. -0.03 min

Lab File: VX000503.D

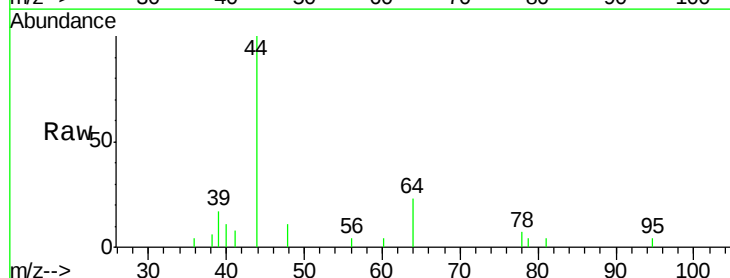
Acq: 28 Mar 2018 21:24

Tgt Ion: 56 Resp: 20

Ion Ratio Lower Upper

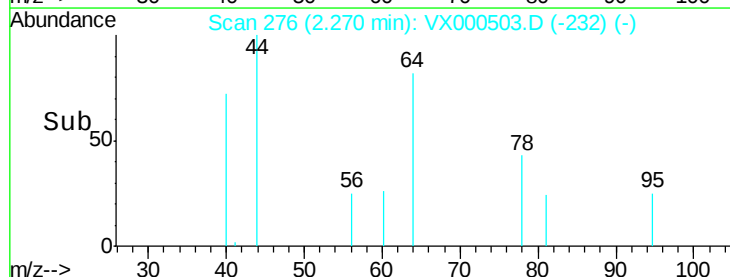
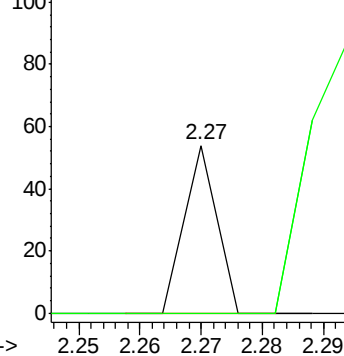
56 100

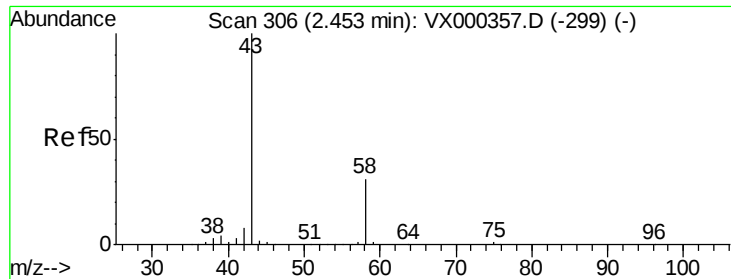
55 0.0 58.8 88.2#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0





#16

Acetone

Concen: 7.64 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX000503.D

Acq: 28 Mar 2018 21:24

Instrument :

MSVOA_X

ClientSampleId :

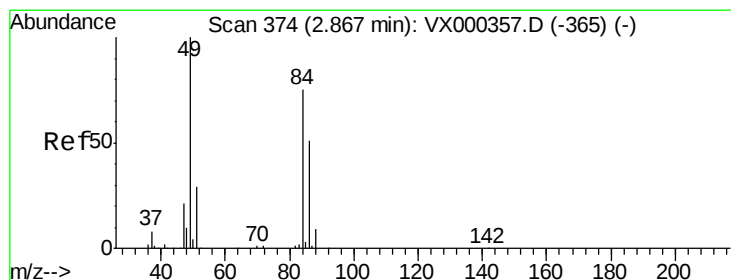
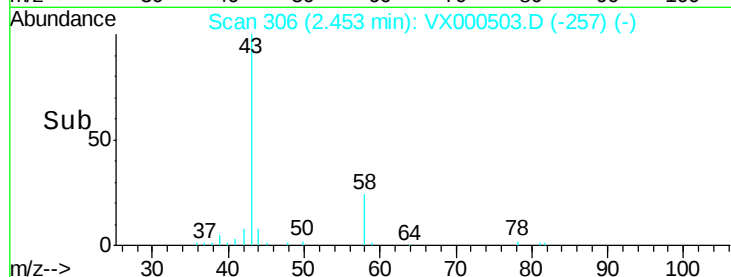
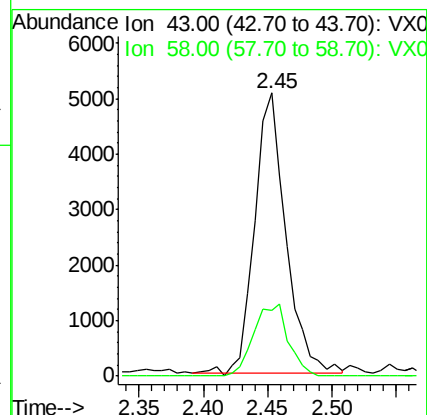
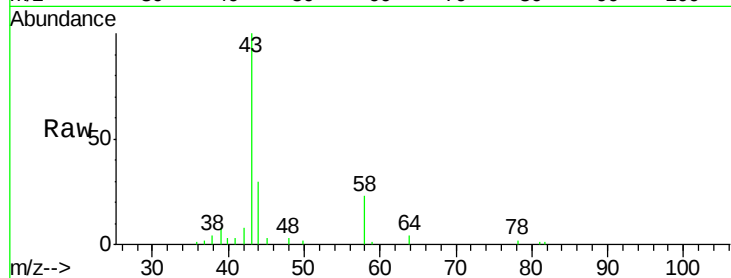
CHRT25382

Tgt Ion: 43 Resp: 8404

Ion Ratio Lower Upper

43 100

58 23.5 24.7 37.1#



#20

Methylene Chloride

Concen: 2.62 ug/l

RT: 2.86 min Scan# 373

Delta R.T. -0.01 min

Lab File: VX000503.D

Acq: 28 Mar 2018 21:24

Tgt Ion: 84 Resp: 3334

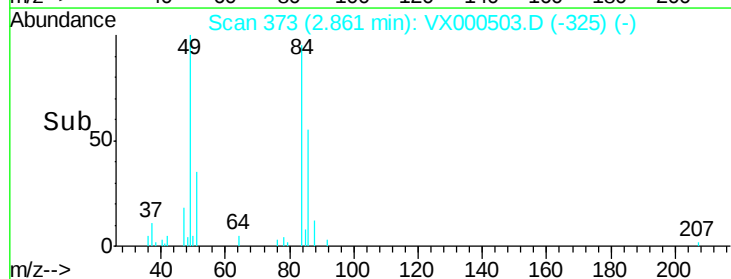
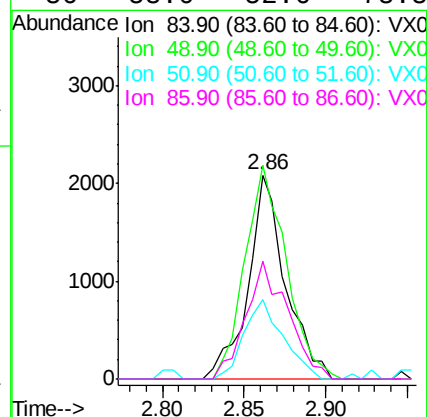
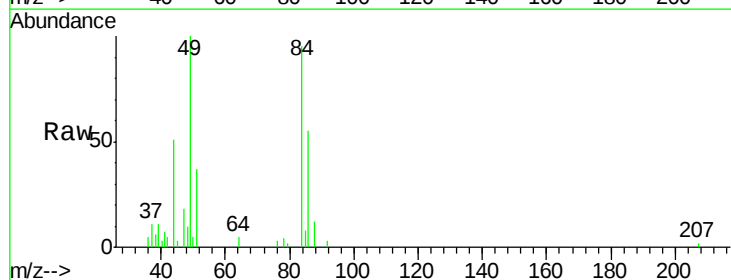
Ion Ratio Lower Upper

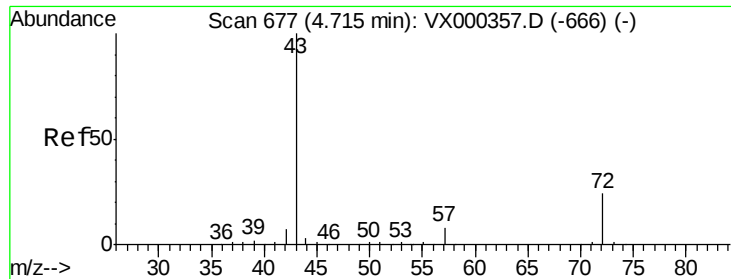
84 100

49 104.8 100.6 151.0

51 38.8 31.6 47.4

86 58.0 52.6 78.8





#25

2-Butanone

Concen: 0.88 ug/l

RT: 4.73 min Scan# 679

Delta R.T. 0.01 min

Lab File: VX000503.D

Acq: 28 Mar 2018 21:24

Instrument :

MSVOA_X

ClientSampled :

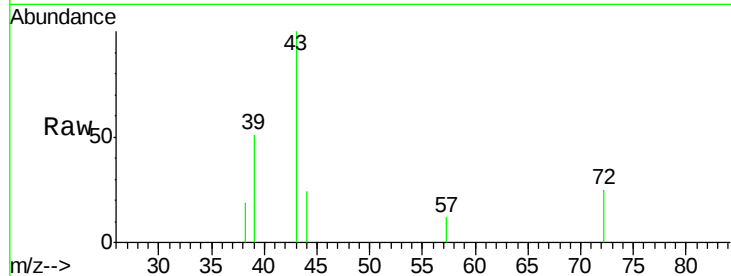
CHRT25382

Tgt Ion: 43 Resp: 1092

Ion Ratio Lower Upper

43 100

72 25.1 21.0 31.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.73

400

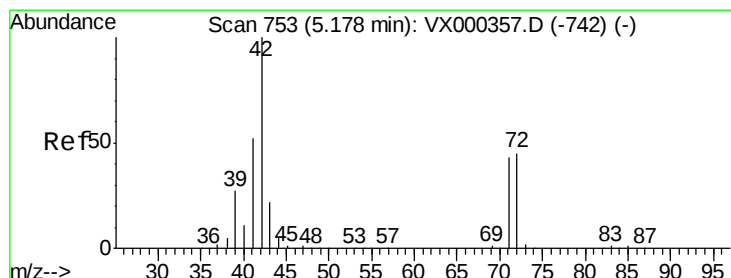
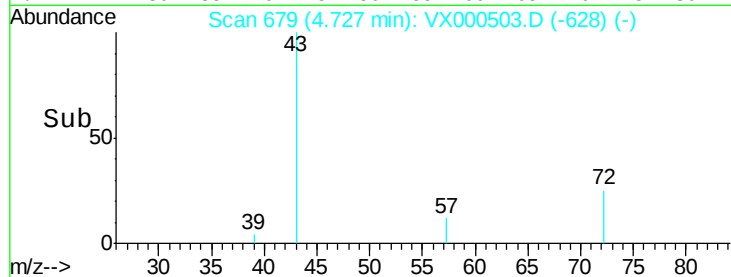
300

200

100

0

Time-->



#29

Tetrahydrofuran

Concen: 0.29 ug/l

RT: 5.18 min Scan# 754

Delta R.T. 0.01 min

Lab File: VX000503.D

Acq: 28 Mar 2018 21:24

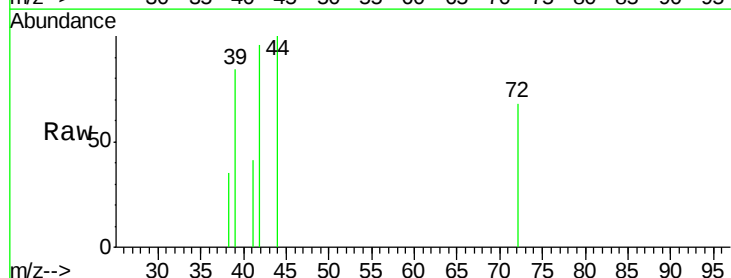
Tgt Ion: 42 Resp: 221

Ion Ratio Lower Upper

42 100

72 49.3 37.9 56.9

71 0.0 34.4 51.6#



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

250

200

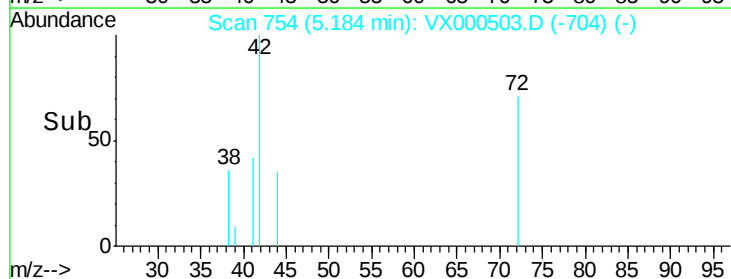
150

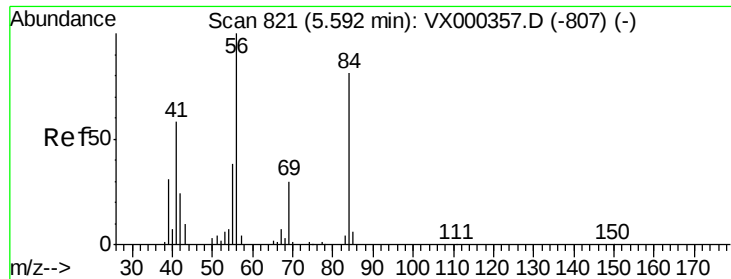
100

50

0

Time-->

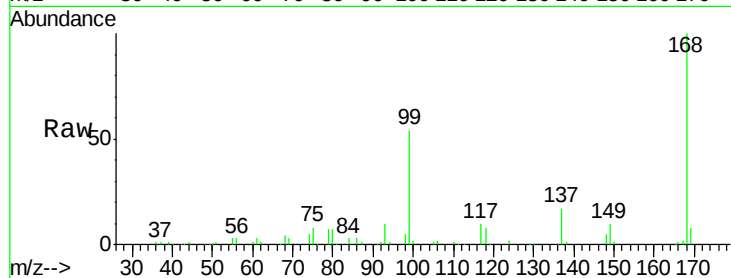




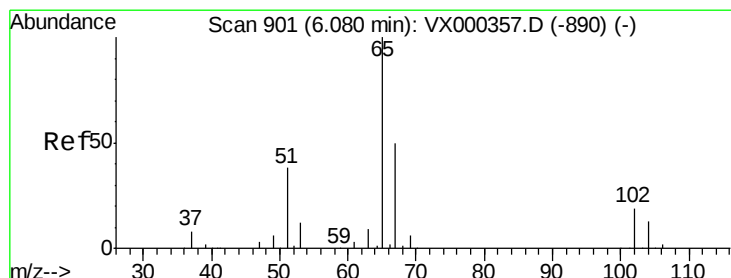
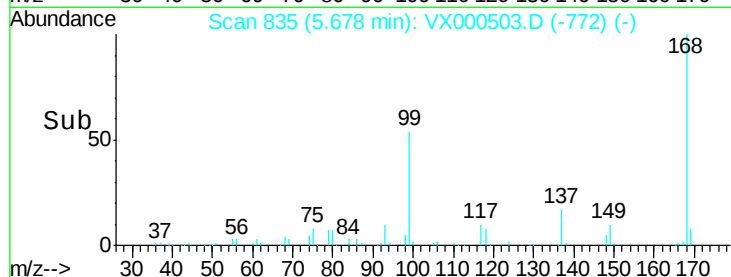
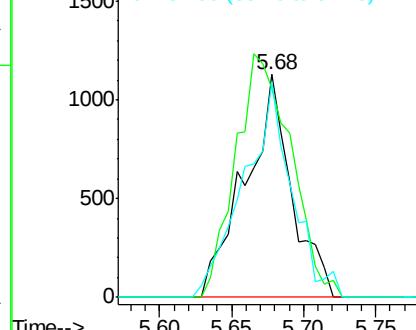
#31
Cyclohexane
Concen: 1.51 ug/l
RT: 5.68 min Scan# 835
Delta R.T. 0.09 min
Lab File: VX000503.D
Acq: 28 Mar 2018 21:24

Instrument :
MSVOA_X
ClientSampleId :
CHRT25382

Tgt Ion: 56 Resp: 2522
Ion Ratio Lower Upper
56 100
69 94.1 23.4 35.0#
84 97.1 71.0 106.4

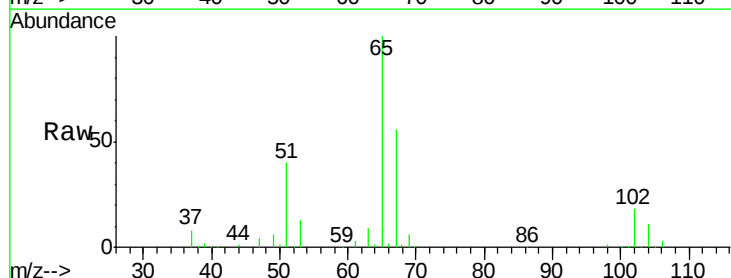


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

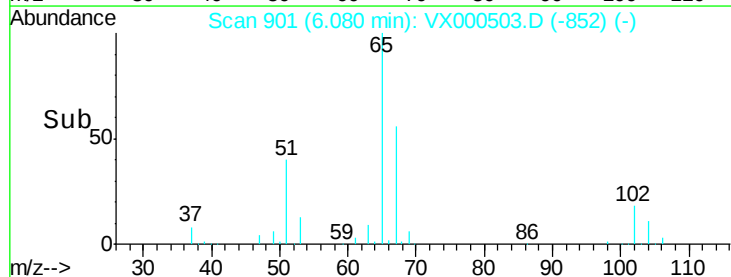
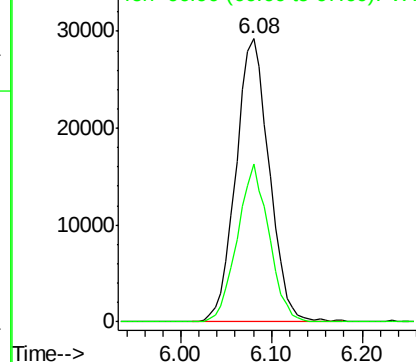


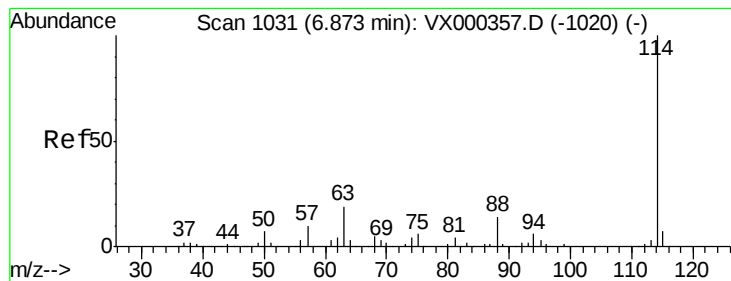
#33
1,2-Dichloroethane-d4
Concen: 56.56 ug/l
RT: 6.08 min Scan# 901
Delta R.T. 0.00 min
Lab File: VX000503.D
Acq: 28 Mar 2018 21:24

Tgt Ion: 65 Resp: 74811
Ion Ratio Lower Upper
65 100
67 52.6 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: VX000503.D

Acq: 28 Mar 2018 21:24

Instrument :

MSVOA_X

ClientSampleId :

CHRT25382

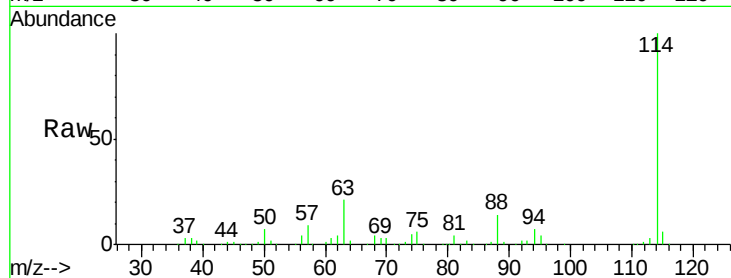
Tgt Ion:114 Resp: 186916

Ion Ratio Lower Upper

114 100

63 20.8 0.0 38.4

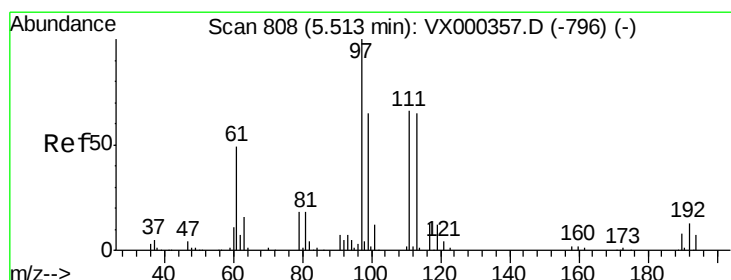
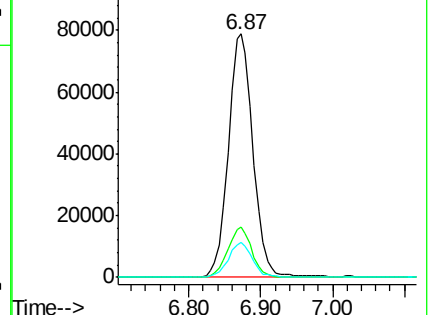
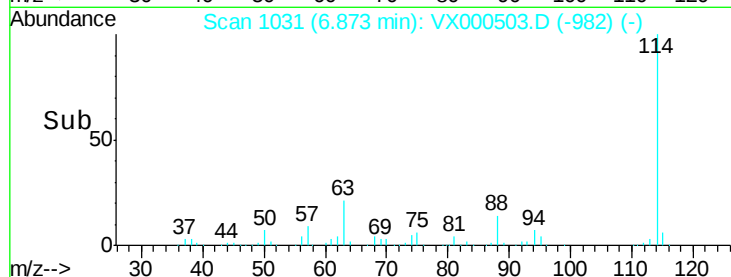
88 14.5 0.0 27.0



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: 50.98 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.00 min

Lab File: VX000503.D

Acq: 28 Mar 2018 21:24

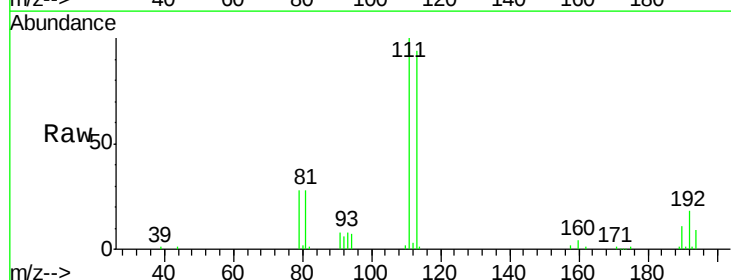
Tgt Ion:113 Resp: 60040

Ion Ratio Lower Upper

113 100

111 102.3 82.4 123.6

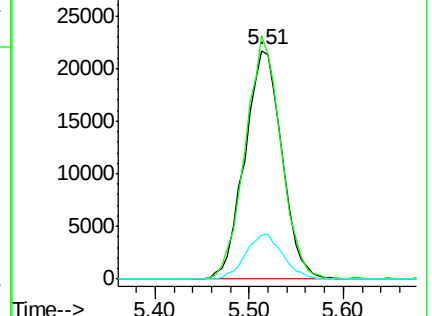
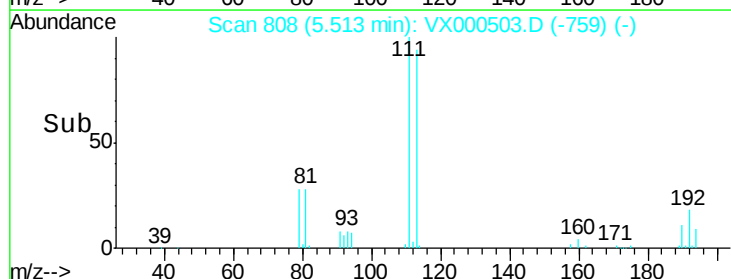
192 19.7 15.8 23.6

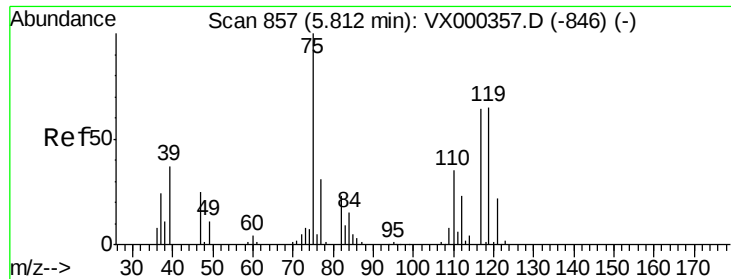


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

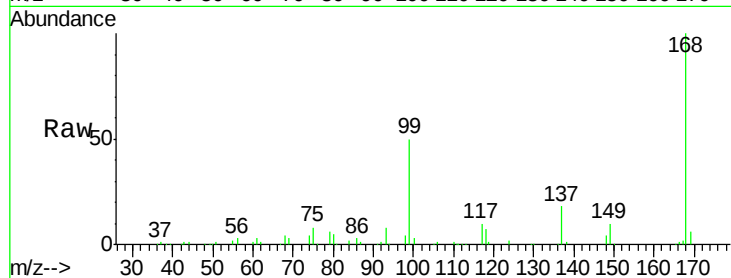




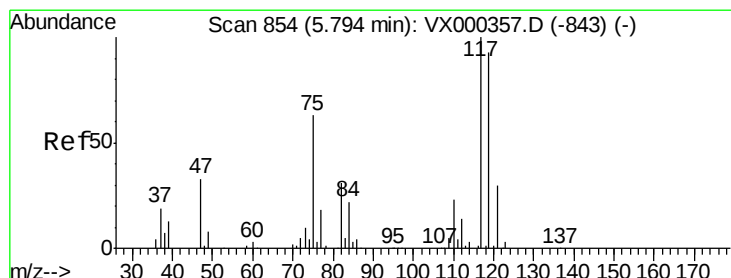
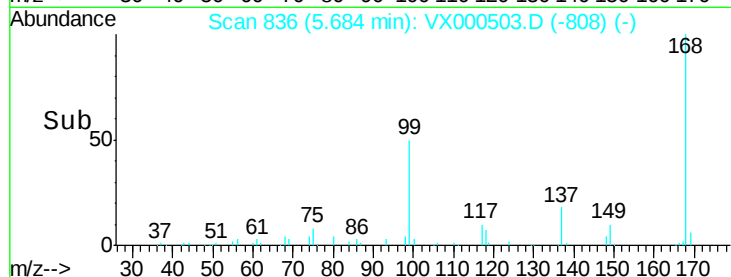
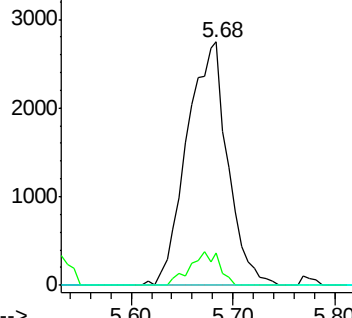
#36
 1,1-Dichloropropene
 Concen: 4.36 ug/l
 RT: 5.68 min Scan# 836
 Delta R.T. -0.13 min
 Lab File: VX000503.D
 Acq: 28 Mar 2018 21:24

Instrument :
 MSVOA_X
 ClientSampleId :
 CHRT25382

Tgt Ion: 75 Resp: 7627
 Ion Ratio Lower Upper
 75 100
 110 10.1 17.9 53.7#
 77 0.0 24.0 36.0#

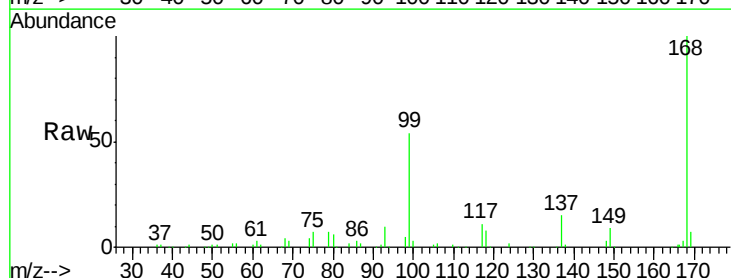


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

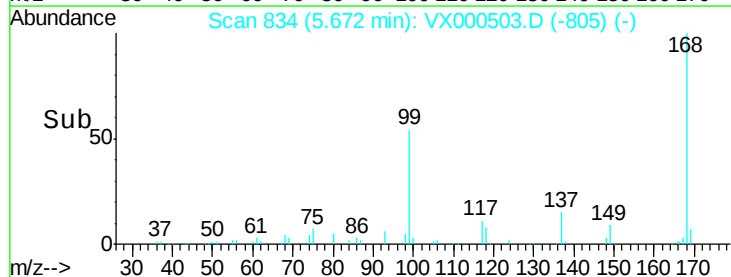
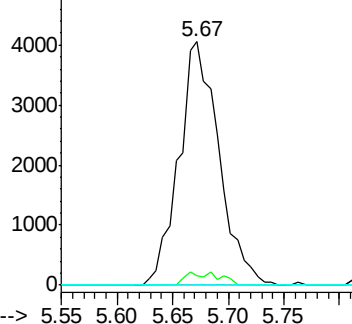


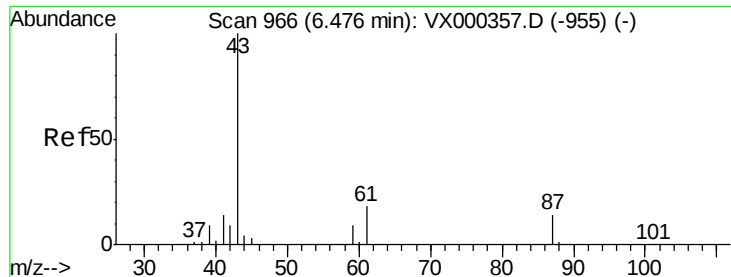
#38
 Carbon Tetrachloride
 Concen: 5.51 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.12 min
 Lab File: VX000503.D
 Acq: 28 Mar 2018 21:24

Tgt Ion: 117 Resp: 10125
 Ion Ratio Lower Upper
 117 100
 119 4.1 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





#43

Isopropyl Acetate

Concen: 0.30 ug/l

RT: 6.48 min Scan# 966

Delta R.T. 0.00 min

Lab File: VX000503.D

Acq: 28 Mar 2018 21:24

Instrument :

MSVOA_X

ClientSampleId :

CHRT25382

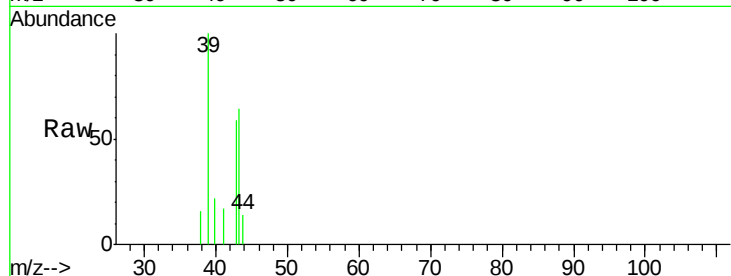
Tgt Ion: 43 Resp: 1056

Ion Ratio Lower Upper

43 100

61 9.8 14.4 21.6#

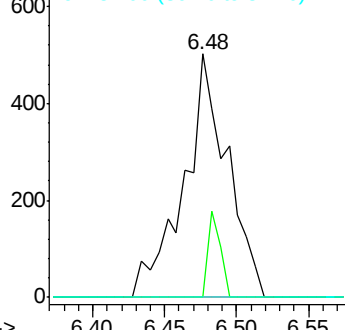
87 0.0 11.0 16.4#



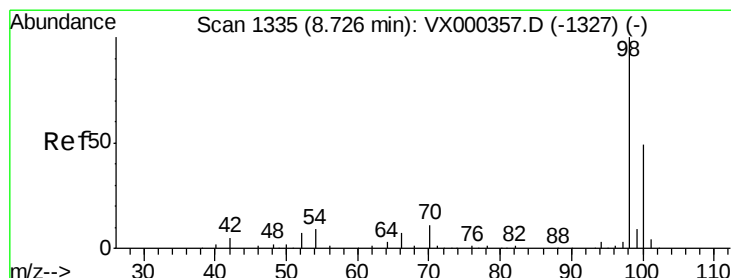
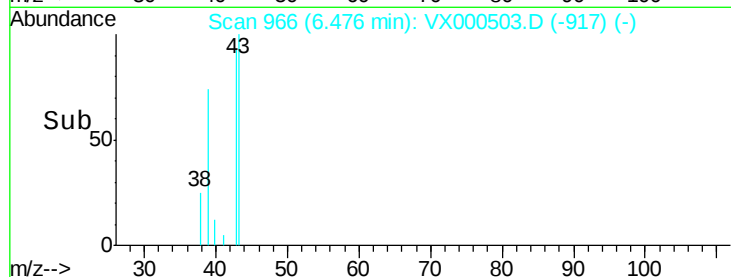
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



Time-->



#50

Toluene-d8

Concen: 48.66 ug/l

RT: 8.73 min Scan# 1335

Delta R.T. 0.00 min

Lab File: VX000503.D

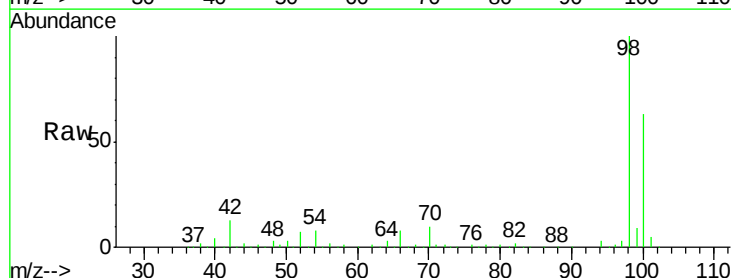
Acq: 28 Mar 2018 21:24

Tgt Ion: 98 Resp: 237362

Ion Ratio Lower Upper

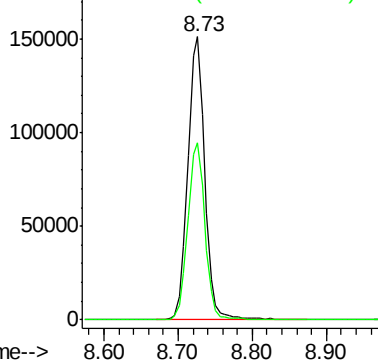
98 100

100 63.7 51.2 76.8

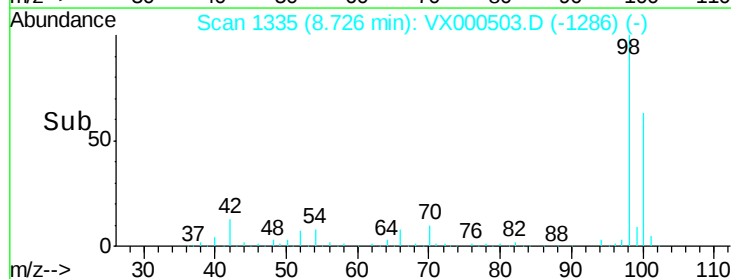


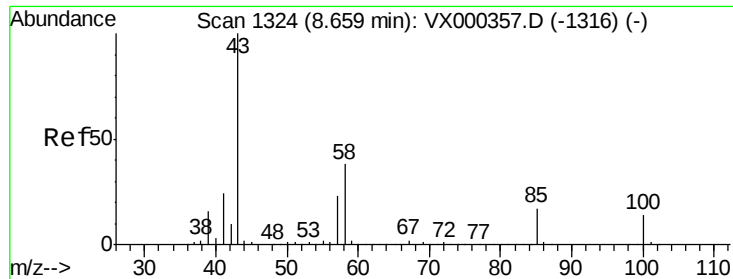
Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



Time-->





#51

4-Methyl-2-Pentanone

Concen: 0.27 ug/l

RT: 8.67 min Scan# 1325

Delta R.T. 0.01 min

Lab File: VX000503.D

Acq: 28 Mar 2018 21:24

Instrument :

MSVOA_X

ClientSampleId :

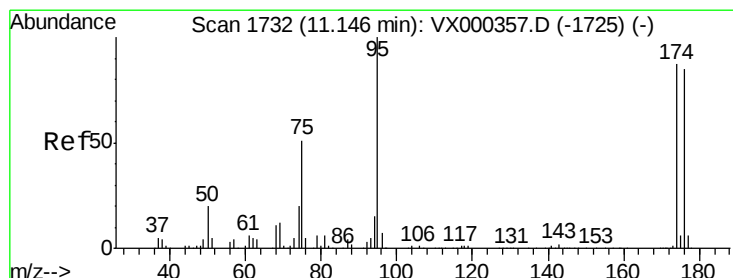
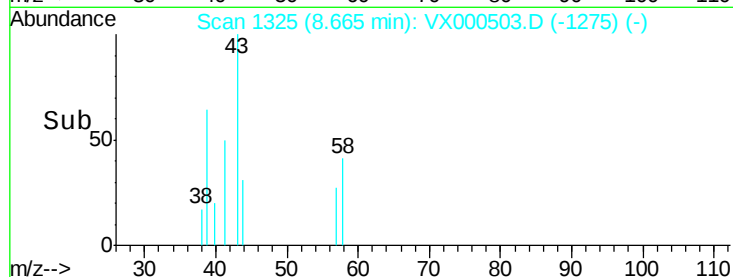
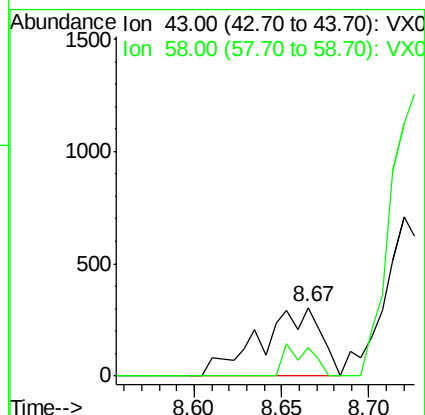
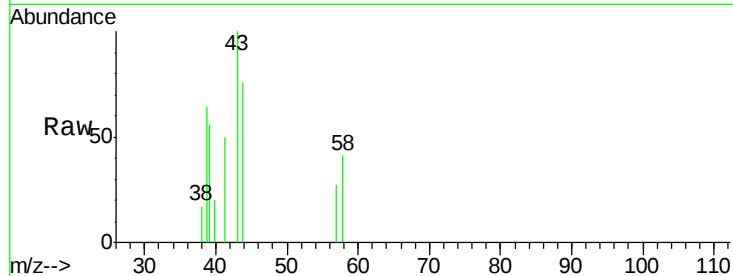
CHRT25382

Tgt Ion: 43 Resp: 741

Ion Ratio Lower Upper

43 100

58 20.6 30.3 45.5#



#62

4-Bromofluorobenzene

Concen: 41.06 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VX000503.D

Acq: 28 Mar 2018 21:24

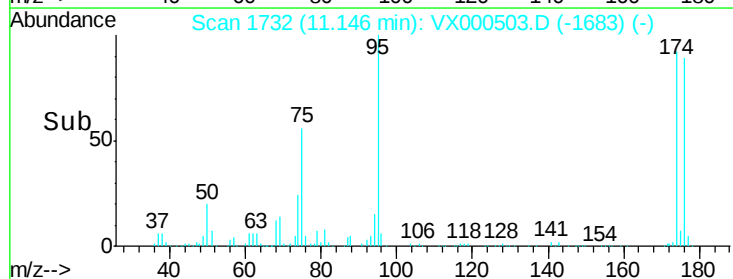
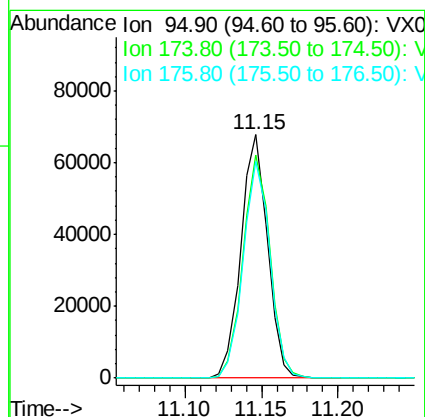
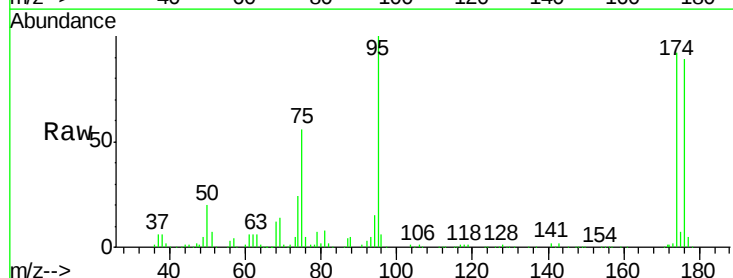
Tgt Ion: 95 Resp: 82028

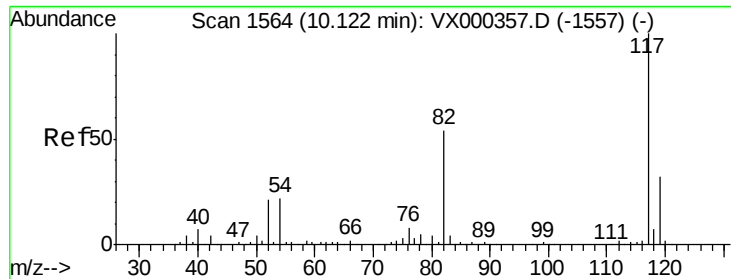
Ion Ratio Lower Upper

95 100

174 92.9 0.0 173.6

176 90.0 0.0 164.6

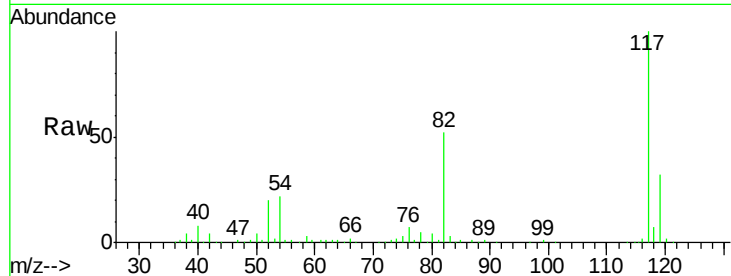




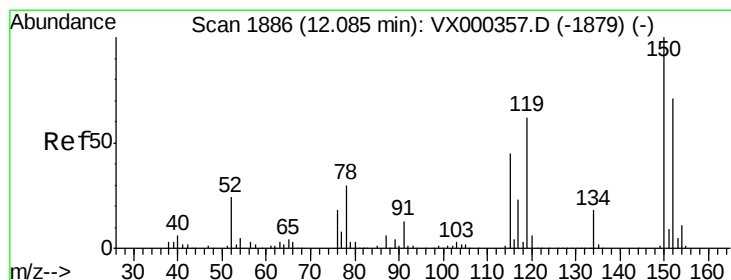
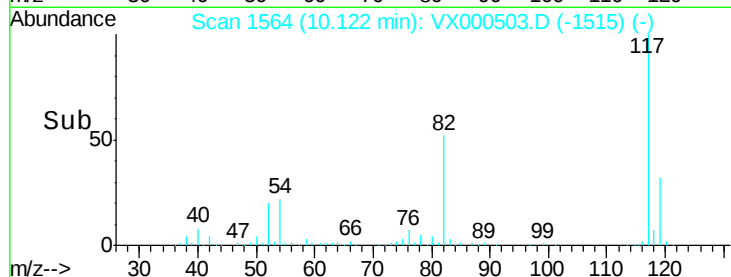
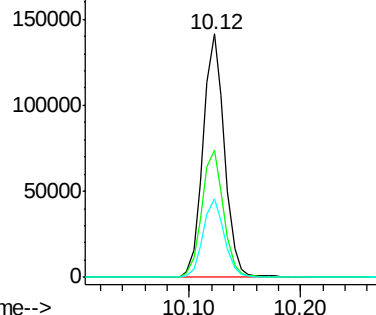
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VX000503.D
Acq: 28 Mar 2018 21:24

Instrument :
MSVOA_X
ClientSampleId :
CHRT25382

Tgt Ion:117 Resp: 188054
Ion Ratio Lower Upper
117 100
82 52.3 43.8 65.8
119 32.1 24.9 37.3

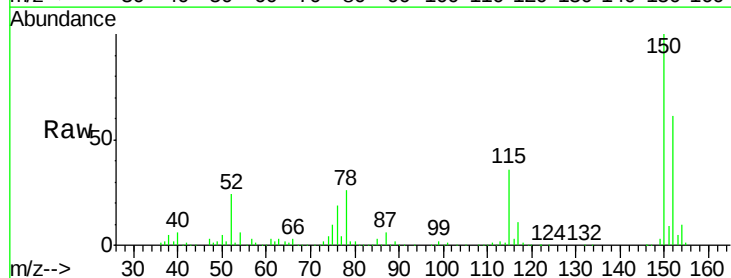


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

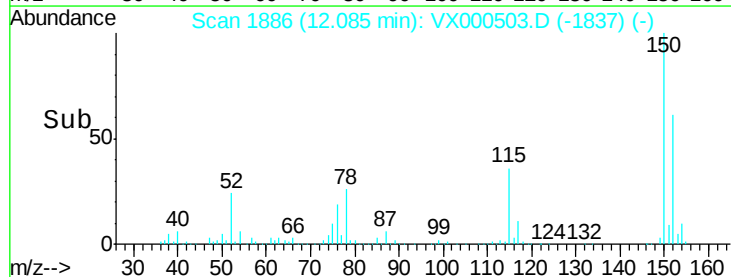
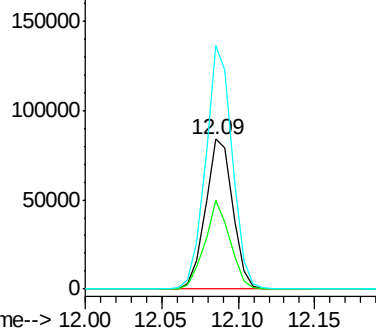


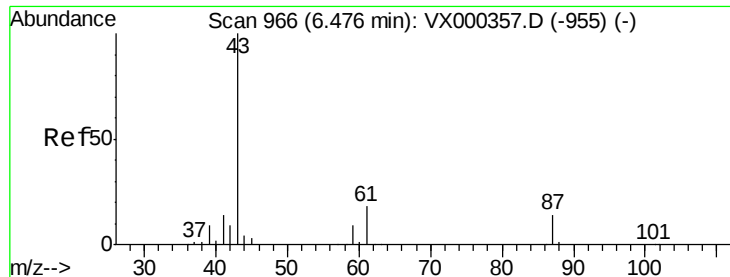
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX000503.D
Acq: 28 Mar 2018 21:24

Tgt Ion:152 Resp: 103673
Ion Ratio Lower Upper
152 100
115 54.6 39.8 119.3
150 157.7 0.0 344.4



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-amyI acetate

Concen: Below Cal

RT: 6.48 min Scan# 966

Delta R.T. 0.00 min

Lab File: VX000503.D

Acq: 28 Mar 2018 21:24

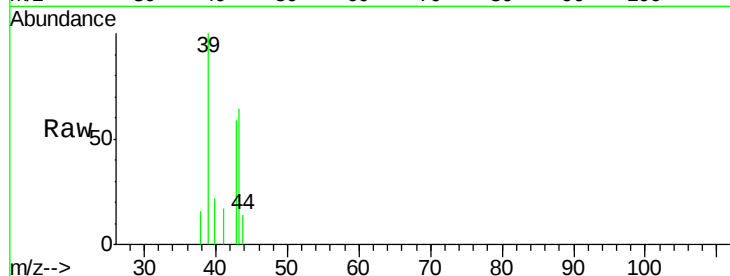
Instrument :

MSVOA_X

ClientSampleId :

CHRT25382

Tgt Ion:	43	Resp:	1056
Ion	Ratio	Lower	Upper
43	100		
70	0.0	0.0	0.0
55	0.0	0.0	0.0
61	9.8	14.4	21.6#

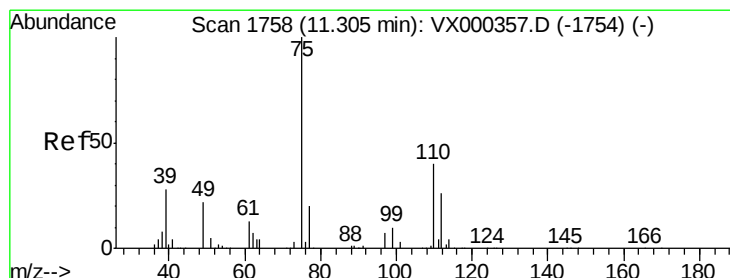
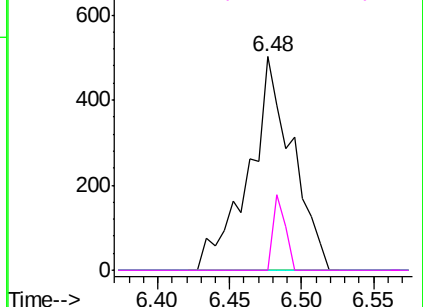
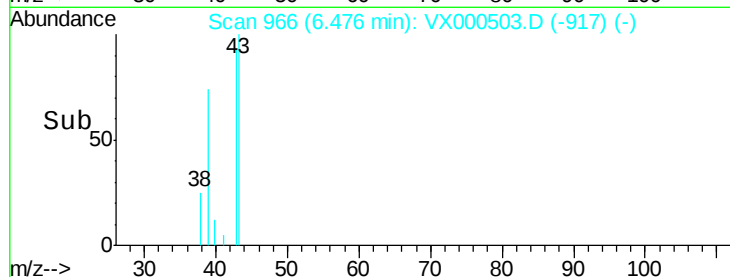


Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 21.56 ug/l

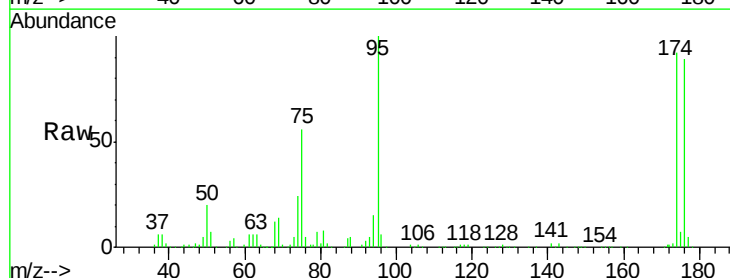
RT: 11.15 min Scan# 1732

Delta R.T. -0.16 min

Lab File: VX000503.D

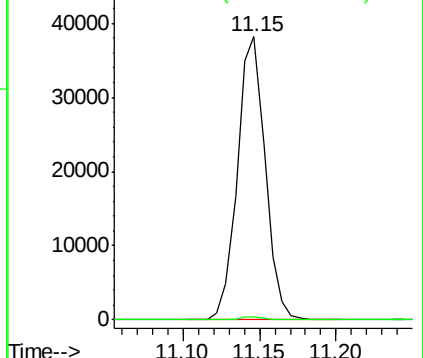
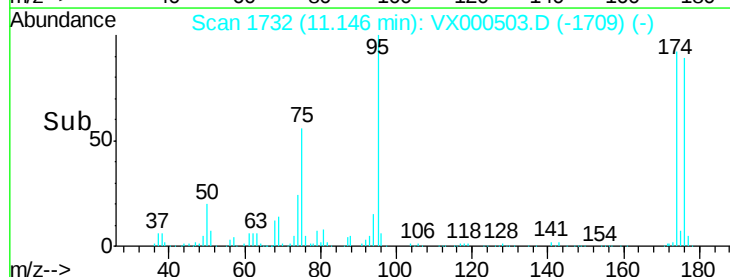
Acq: 28 Mar 2018 21:24

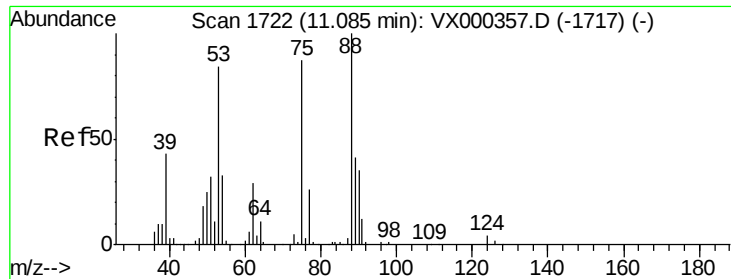
Tgt Ion:	75	Resp:	48036
Ion	Ratio	Lower	Upper
75	100		
77	0.9	21.4	64.2#



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: 69.80 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.06 min

Lab File: VX000503.D

Acq: 28 Mar 2018 21:24

Instrument :

MSVOA_X

ClientSampleId :

CHRT25382

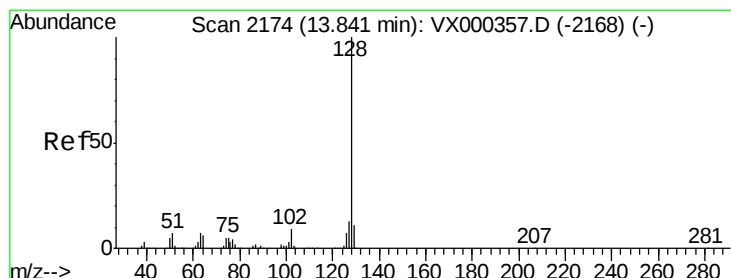
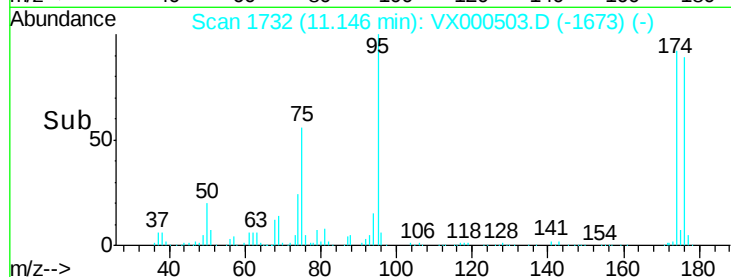
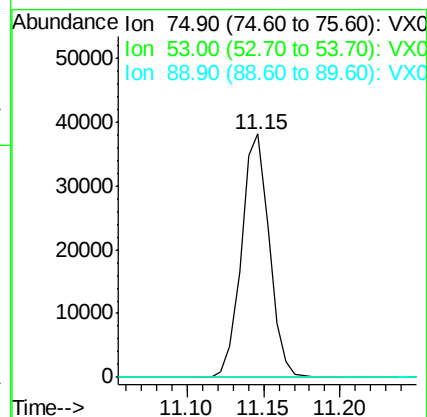
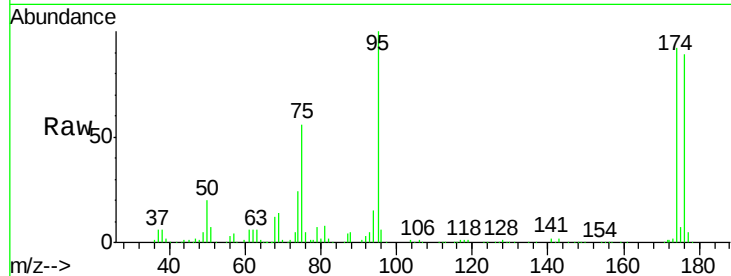
Tgt Ion: 75 Resp: 48036

Ion Ratio Lower Upper

75 100

53 0.0 80.7 121.1#

89 0.0 39.4 59.0#



#95

Naphthalene

Concen: 0.37 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.00 min

Lab File: VX000503.D

Acq: 28 Mar 2018 21:24

Tgt Ion: 128 Resp: 3121

Ion Ratio Lower Upper

128 100

127 14.1 10.6 15.8

129 13.2 8.9 13.3

