

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX041418\
 Data File : VX000879.D
 Acq On : 14 Apr 2018 17:09
 Operator : JC/MD
 Sample : J2348-08 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 275

Quant Time: Apr 16 05:52:00 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X041018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 10 15:49:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.68	168	236556	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	319508	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	289112	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	181571	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.08	65	139724	46.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.68%	
35) Dibromofluoromethane	5.51	113	112679	45.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.54%	
50) Toluene-d8	8.73	98	438847	47.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.76%	
62) 4-Bromofluorobenzene	11.15	95	167063	44.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.12%	

Target Compounds

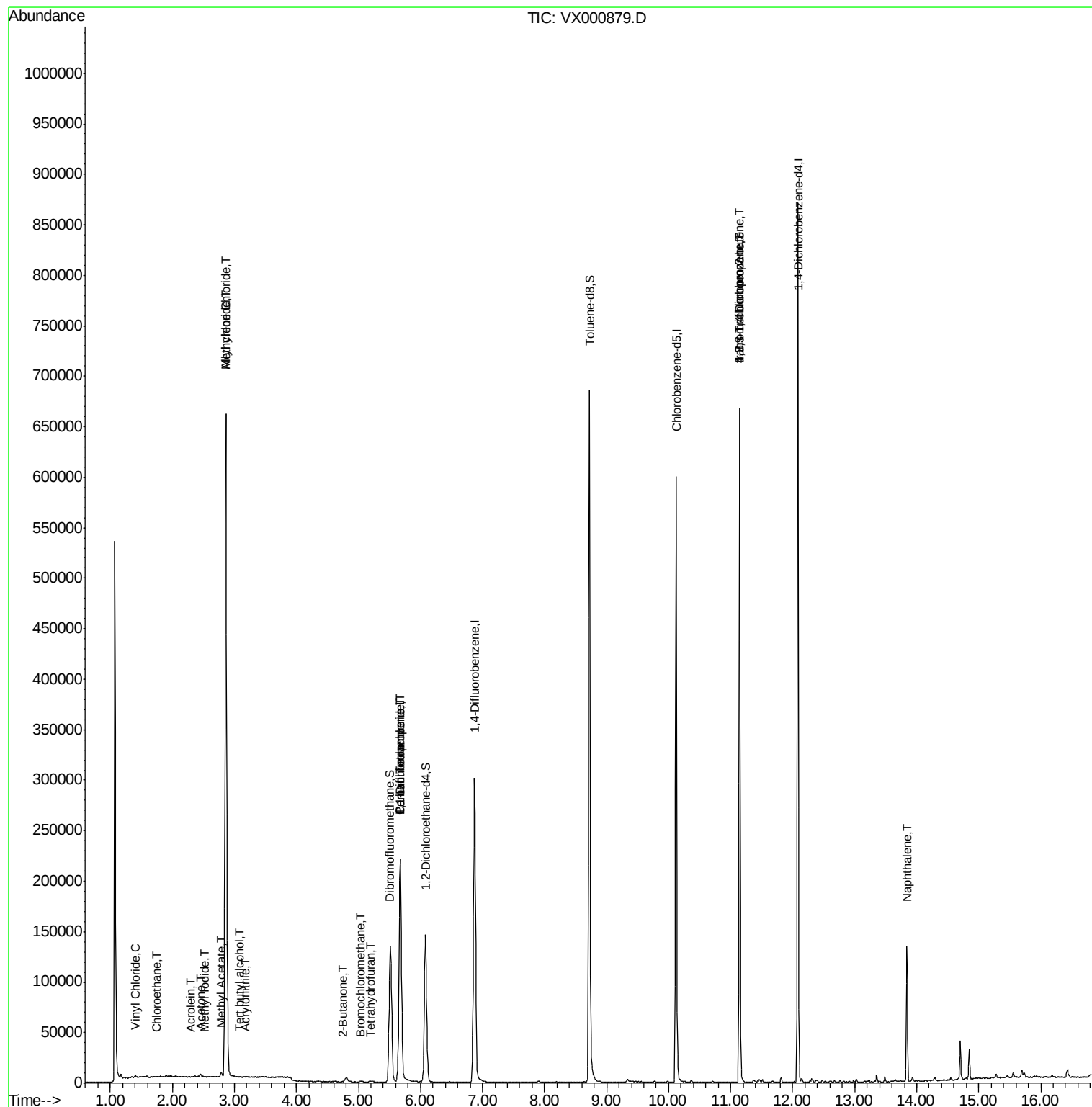
						Qvalue
4) Vinyl Chloride	1.40	62	1656	0.64	ug/l	99
5) Bromomethane	1.65	94	163	Below	Cal	# 72
6) Chloroethane	1.74	64	772	0.49	ug/l	# 88
10) Methyl Iodide	2.53	142	135	8.29	ug/l	# 42
11) Tert butyl alcohol	3.07	59	120	0.23	ug/l	# 1
13) Acrolein	2.29	56	92	0.36	ug/l	# 3
14) Allyl chloride	2.86	41	12164	3.03	ug/l	# 28
15) Acrylonitrile	3.17	53	328	0.29	ug/l	# 56
16) Acetone	2.45	43	3257	3.17	ug/l	# 86
18) Methyl Acetate	2.79	43	5028	1.89	ug/l	95
20) Methylene Chloride	2.86	84	313586	131.08	ug/l	99
25) 2-Butanone	4.74	43	675	0.40	ug/l	# 50
28) Bromochloromethane	5.03	49	425	0.25	ug/l	# 45
29) Tetrahydrofuran	5.20	42	447	0.41	ug/l	# 86
36) 1,1-Dichloropropene	5.67	75	14462	4.11	ug/l	# 49
38) Carbon Tetrachloride	5.68	117	20039	5.09	ug/l	# 14
76) 1,2,3-Trichloropropane	11.15	75	81149	25.91	ug/l	# 36
81) trans-1,4-Dichloro-2-buten	11.15	75	81149	71.29	ug/l	# 11
95) Naphthalene	13.84	128	82042	6.21	ug/l	100

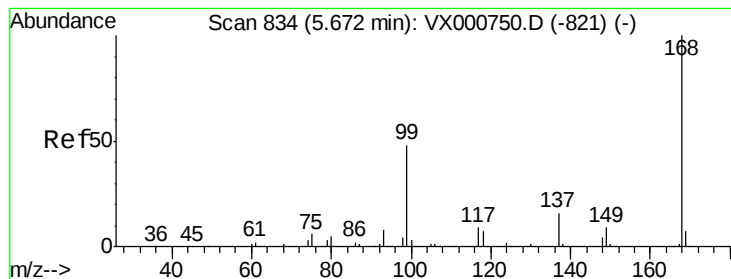
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.68 min Scan# 835

Delta R.T. 0.01 min

Lab File: VX000879.D

Acq: 14 Apr 2018 17:09

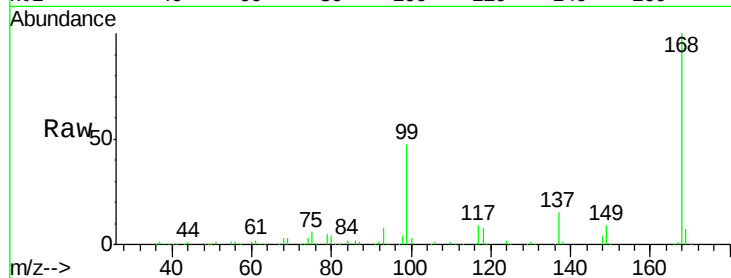
Instrument :
MSVOA_X
ClientSampled :
275

Tgt Ion: 168 Resp: 236556

Ion Ratio Lower Upper

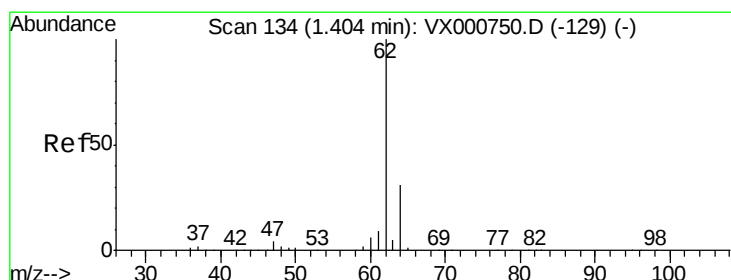
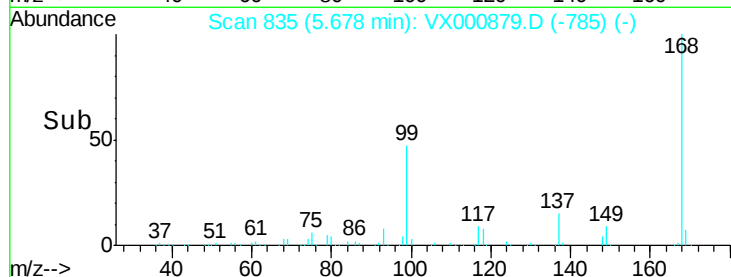
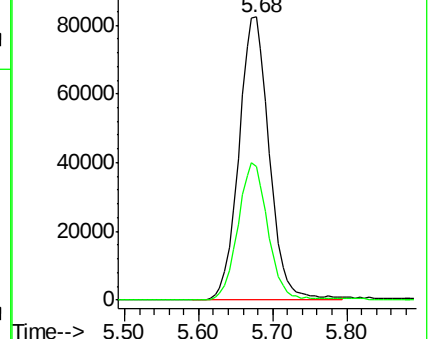
168 100

99 47.4 38.3 57.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#4

Vinyl Chloride

Concen: 0.64 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX000879.D

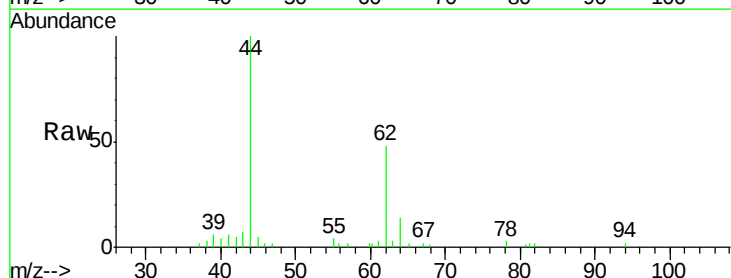
Acq: 14 Apr 2018 17:09

Tgt Ion: 62 Resp: 1656

Ion Ratio Lower Upper

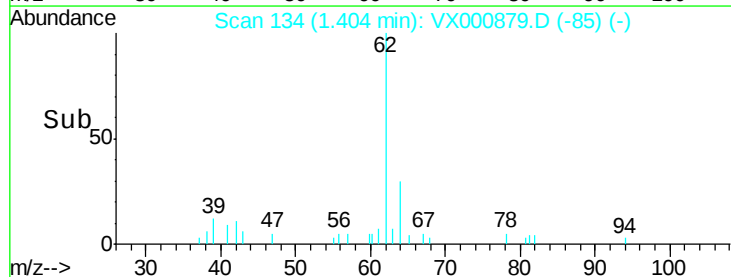
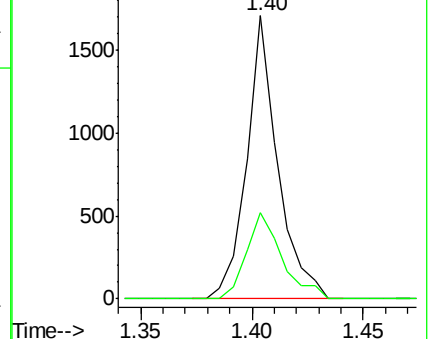
62 100

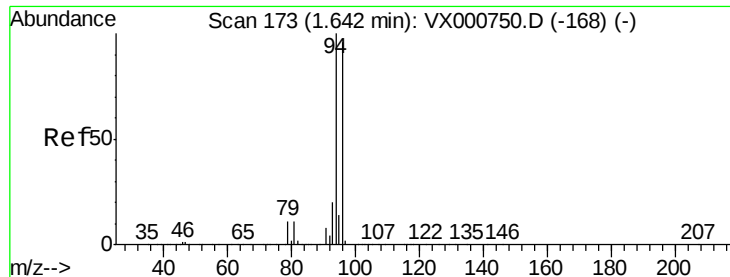
64 30.4 24.6 36.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX000879.D

Acq: 14 Apr 2018 17:09

Instrument :

MSVOA_X

ClientSampleId :

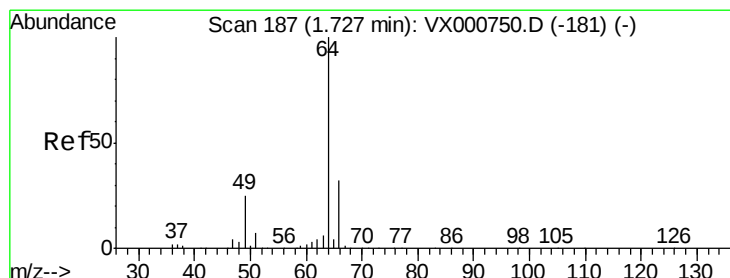
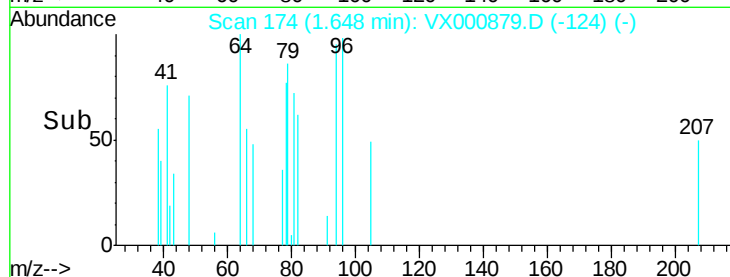
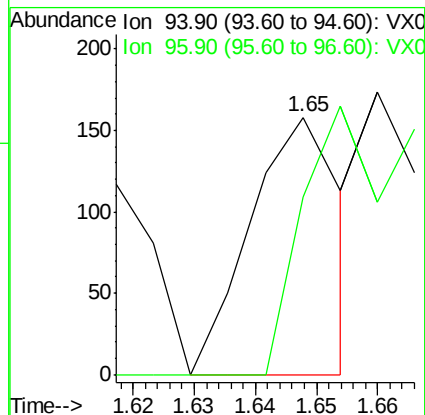
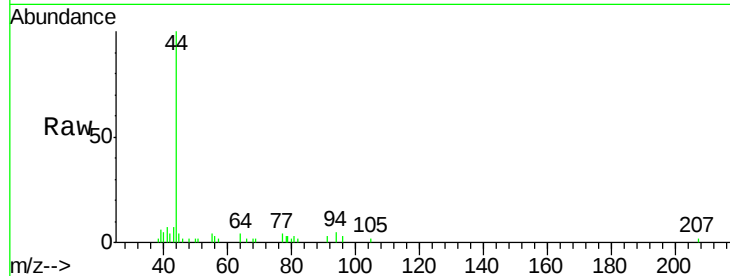
275

Tgt Ion: 94 Resp: 163

Ion Ratio Lower Upper

94 100

96 69.0 77.0 115.6#



#6

Chloroethane

Concen: 0.49 ug/l

RT: 1.74 min Scan# 189

Delta R.T. 0.01 min

Lab File: VX000879.D

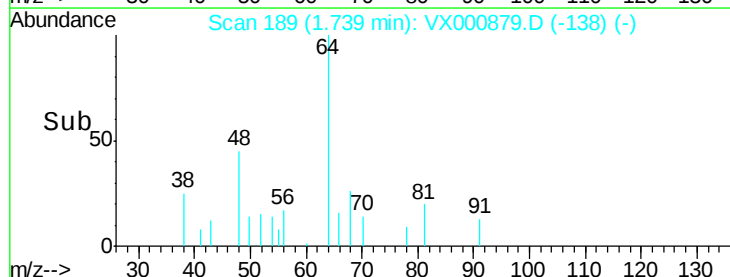
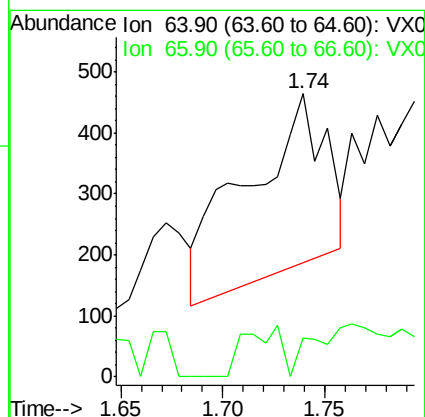
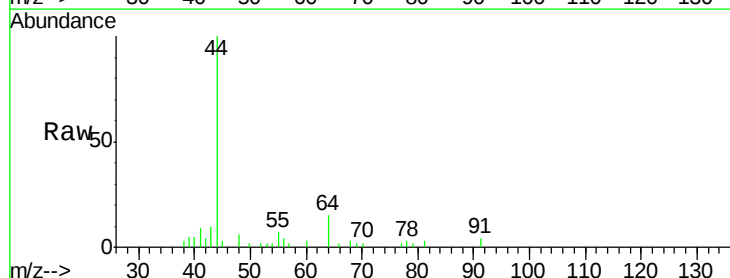
Acq: 14 Apr 2018 17:09

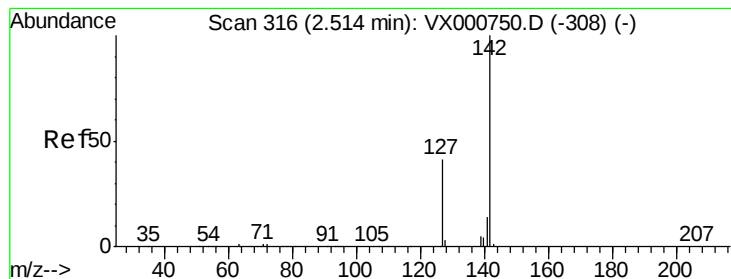
Tgt Ion: 64 Resp: 772

Ion Ratio Lower Upper

64 100

66 24.8 25.3 37.9#





#10

Methyl Iodide

Concen: 8.29 ug/l

RT: 2.53 min Scan# 318

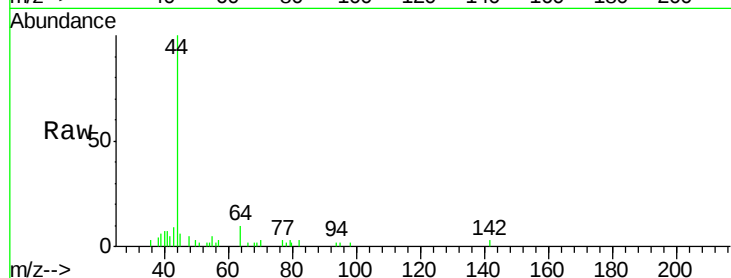
Delta R.T. 0.01 min

Lab File: VX000879.D

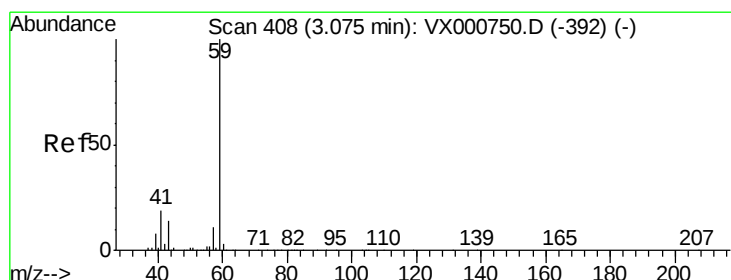
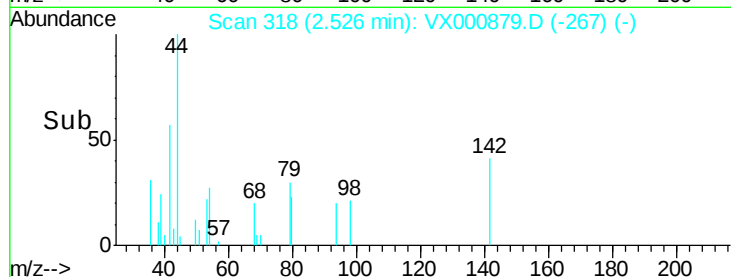
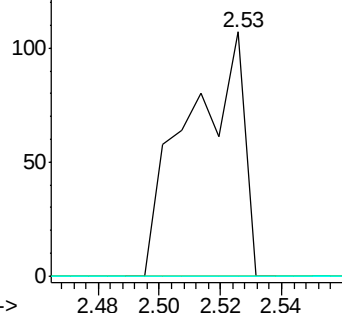
Acq: 14 Apr 2018 17:09

Instrument :
MSVOA_X
ClientSampled :
275

Tgt Ion:	142	Resp:	135
Ion	Ratio	Lower	Upper
142	100		
127	0.0	32.6	49.0#
141	0.0	11.5	17.3#



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V



#11

Tert butyl alcohol

Concen: 0.23 ug/l

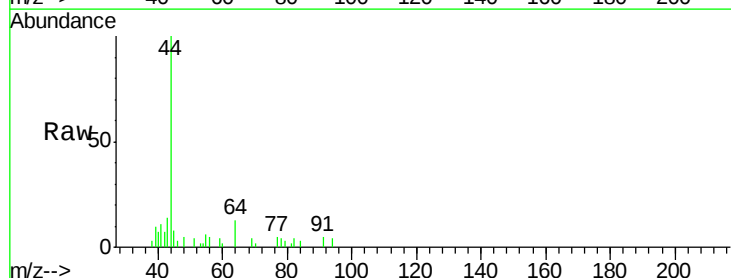
RT: 3.07 min Scan# 408

Delta R.T. -0.00 min

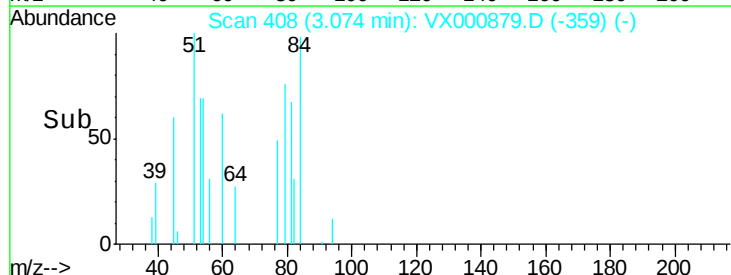
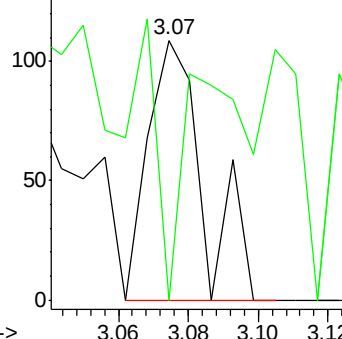
Lab File: VX000879.D

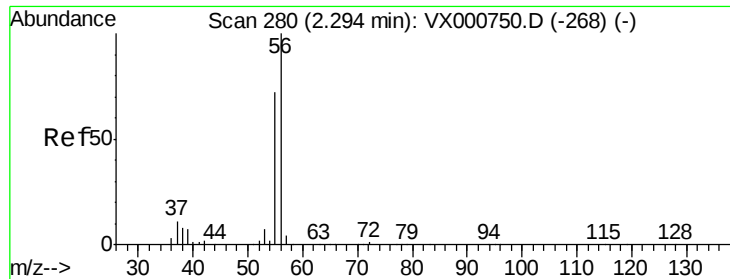
Acq: 14 Apr 2018 17:09

Tgt Ion:	59	Resp:	120
Ion	Ratio	Lower	Upper
59	100		
57	100.8	8.4	12.6#



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.36 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.00 min

Lab File: VX000879.D

Acq: 14 Apr 2018 17:09

Instrument :

MSVOA_X

ClientSampled :

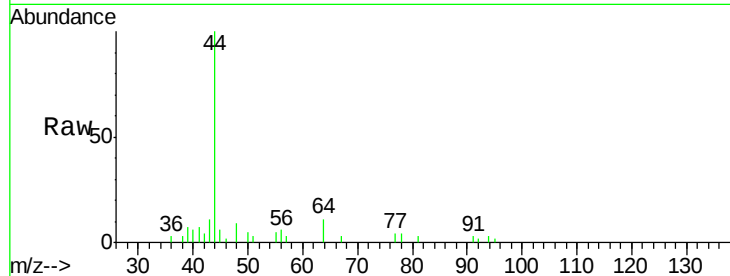
275

Tgt Ion: 56 Resp: 92

Ion Ratio Lower Upper

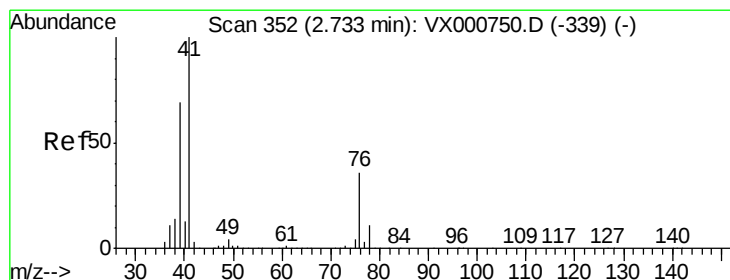
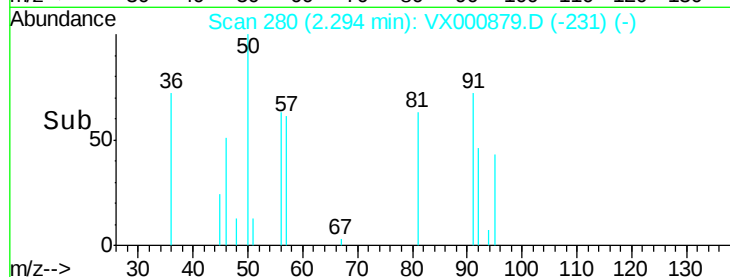
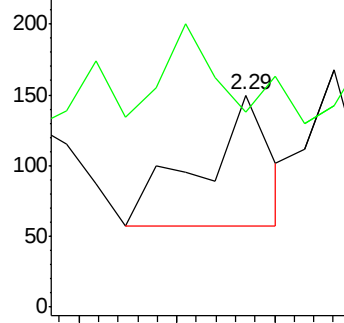
56 100

55 155.4 58.7 88.1#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 3.03 ug/l

RT: 2.86 min Scan# 373

Delta R.T. 0.13 min

Lab File: VX000879.D

Acq: 14 Apr 2018 17:09

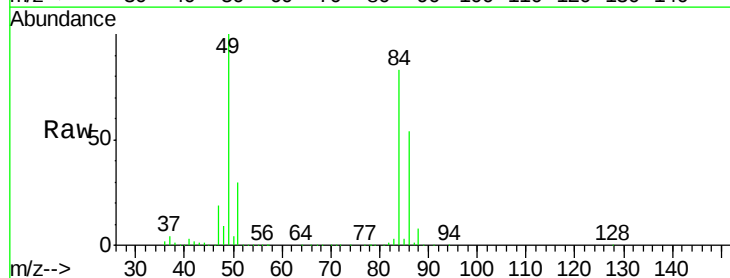
Tgt Ion: 41 Resp: 12164

Ion Ratio Lower Upper

41 100

39 1.9 51.5 77.3#

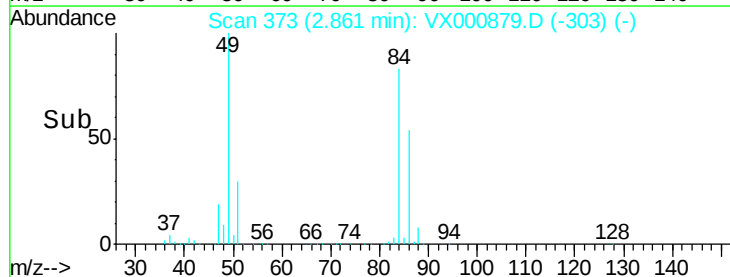
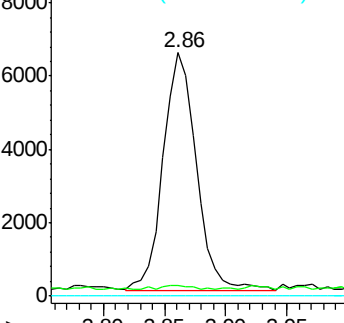
76 0.0 26.5 39.7#

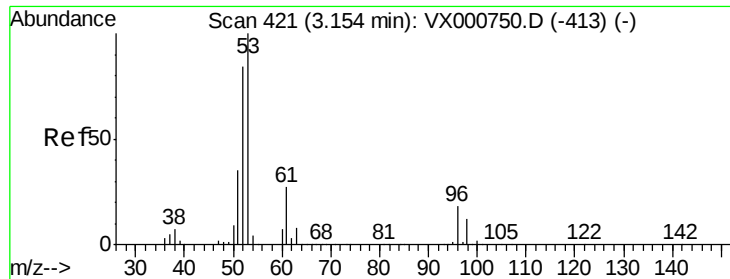


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 0.29 ug/l

RT: 3.17 min Scan# 424

Delta R.T. 0.02 min

Lab File: VX000879.D

Acq: 14 Apr 2018 17:09

Instrument :

MSVOA_X

ClientSampleId :

275

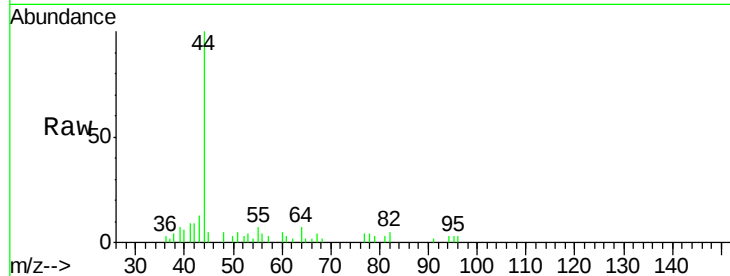
Tgt Ion: 53 Resp: 328

Ion Ratio Lower Upper

53 100

52 50.0 66.5 99.7#

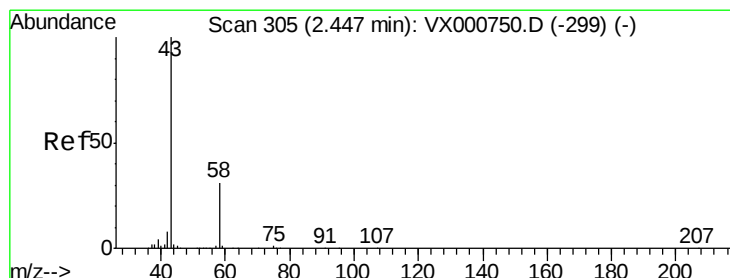
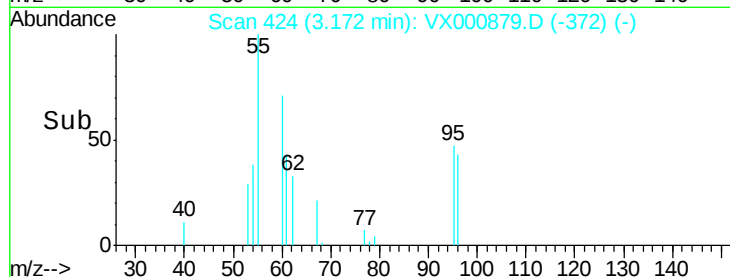
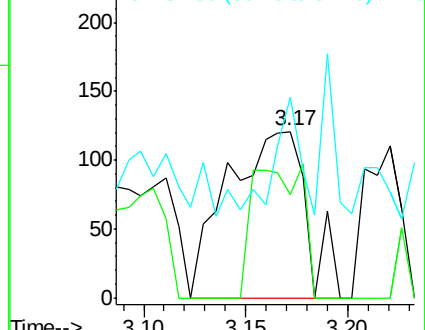
51 0.0 28.8 43.2#



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: 3.17 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX000879.D

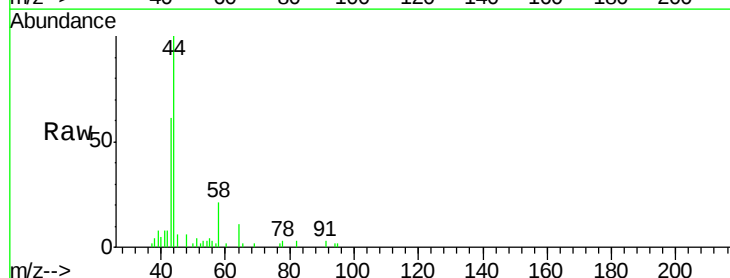
Acq: 14 Apr 2018 17:09

Tgt Ion: 43 Resp: 3257

Ion Ratio Lower Upper

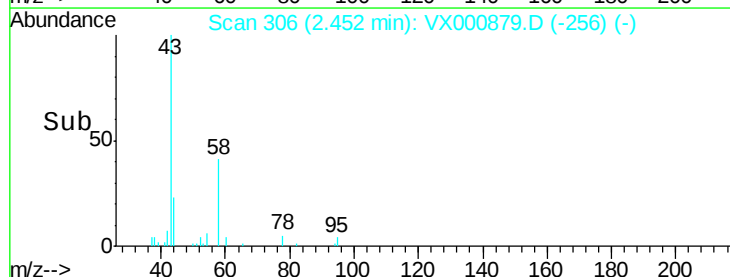
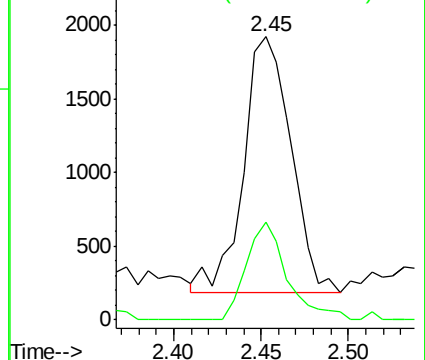
43 100

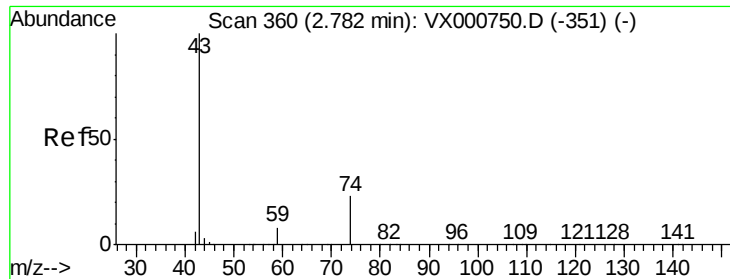
58 38.4 24.6 37.0#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

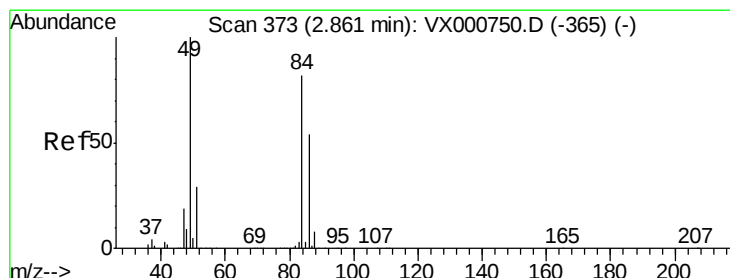
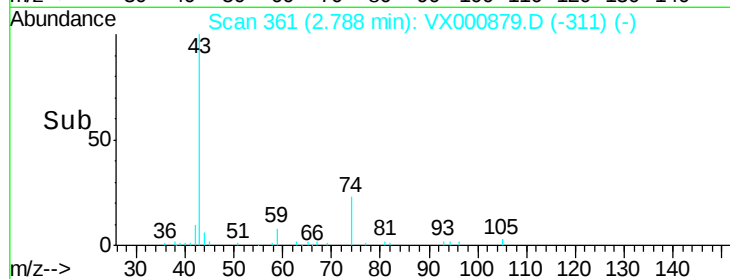
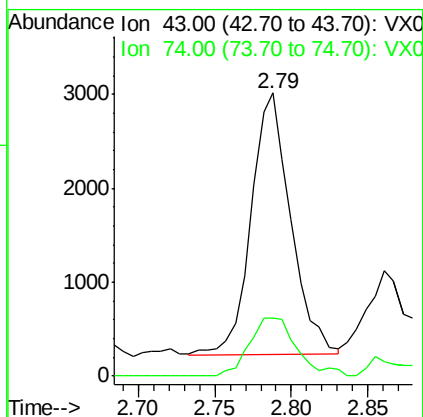
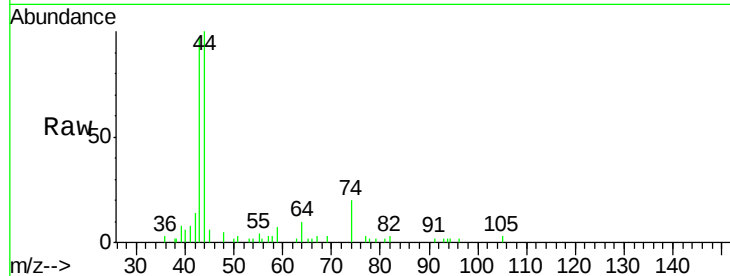




#18
Methyl Acetate
Concen: 1.89 ug/l
RT: 2.79 min Scan# 361
Delta R.T. 0.01 min
Lab File: VX000879.D
Acq: 14 Apr 2018 17:09

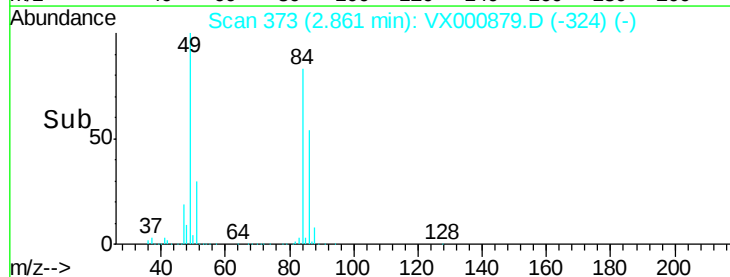
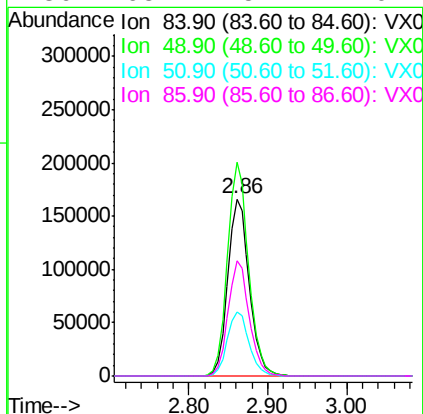
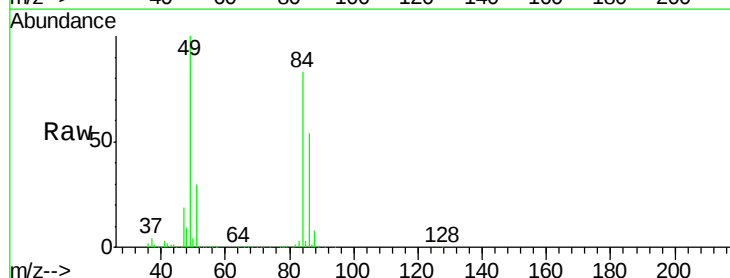
Instrument :
MSVOA_X
ClientSampleId :
275

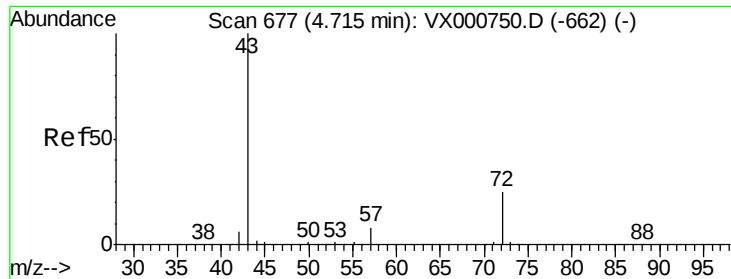
Tgt Ion: 43 Resp: 5028
Ion Ratio Lower Upper
43 100
74 26.5 19.1 28.7



#20
Methylene Chloride
Concen: 131.08 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.00 min
Lab File: VX000879.D
Acq: 14 Apr 2018 17:09

Tgt Ion: 84 Resp: 313586
Ion Ratio Lower Upper
84 100
49 120.6 98.1 147.1
51 36.4 28.9 43.3
86 65.1 52.7 79.1





#25

2-Butanone

Concen: 0.40 ug/l

RT: 4.74 min Scan# 681

Delta R.T. 0.02 min

Lab File: VX000879.D

Acq: 14 Apr 2018 17:09

Instrument :

MSVOA_X

ClientSampled :

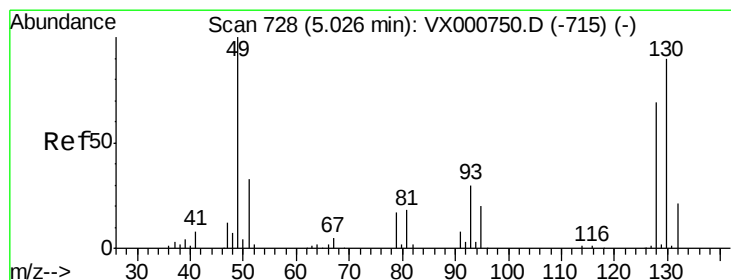
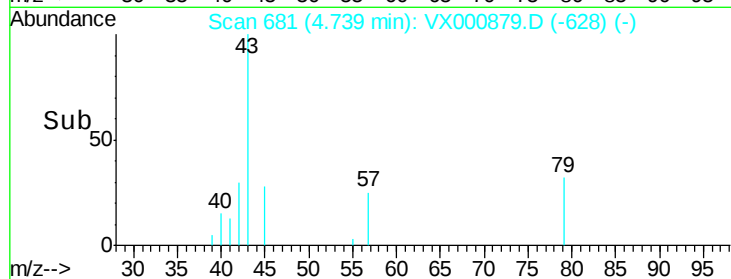
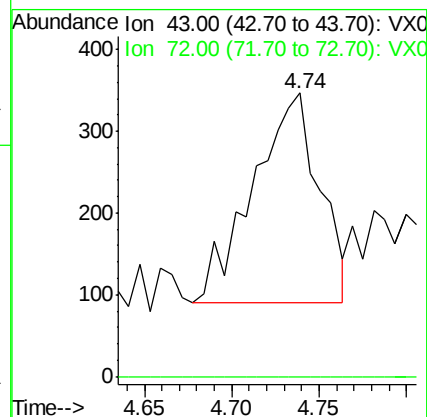
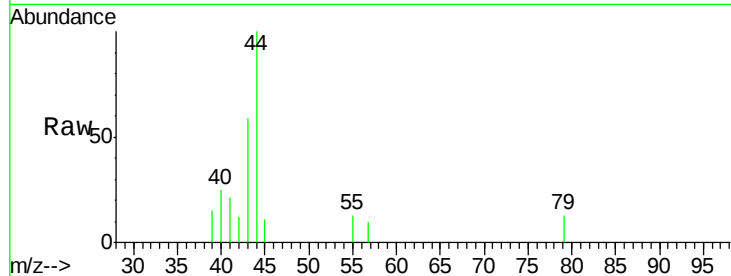
275

Tgt Ion: 43 Resp: 675

Ion Ratio Lower Upper

43 100

72 0.0 20.3 30.5#



#28

Bromochloromethane

Concen: 0.25 ug/l

RT: 5.03 min Scan# 728

Delta R.T. -0.00 min

Lab File: VX000879.D

Acq: 14 Apr 2018 17:09

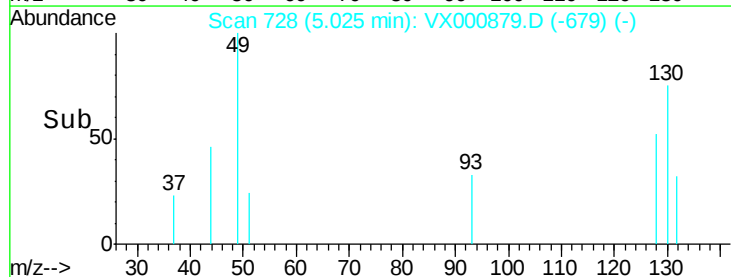
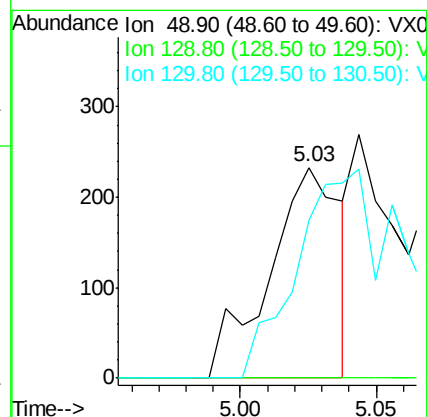
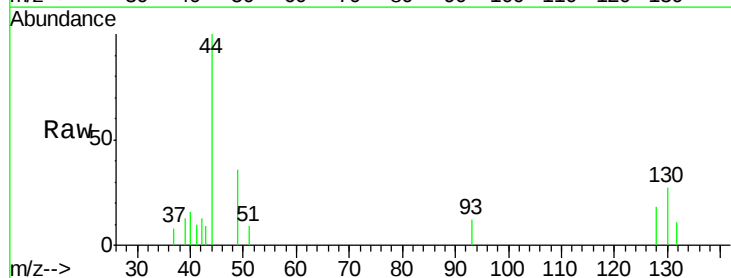
Tgt Ion: 49 Resp: 425

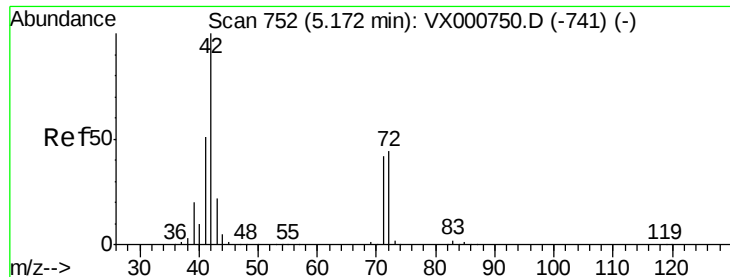
Ion Ratio Lower Upper

49 100

129 0.0 0.0 5.2

130 144.0 72.6 109.0#





#29

Tetrahydrofuran

Concen: 0.41 ug/l

RT: 5.20 min Scan# 757

Delta R.T. 0.03 min

Lab File: VX000879.D

Acq: 14 Apr 2018 17:09

Instrument :

MSVOA_X

ClientSampled :

275

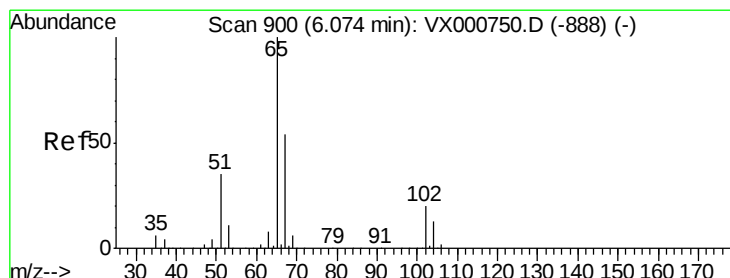
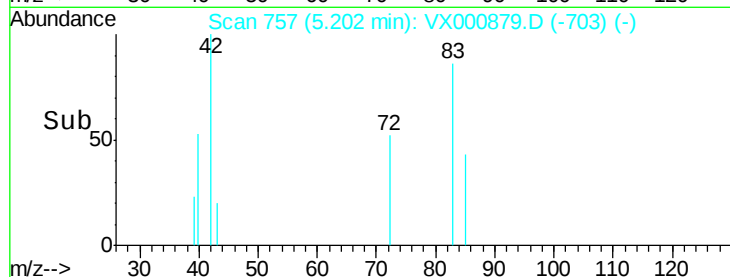
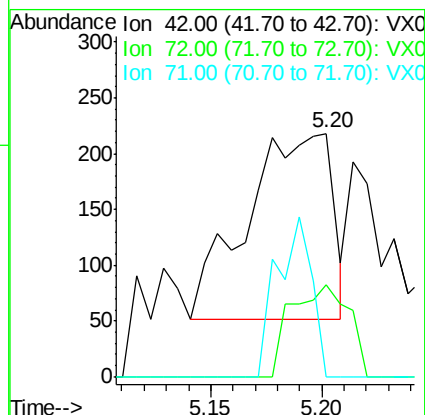
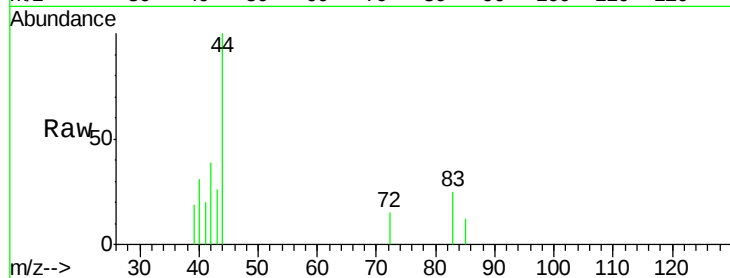
Tgt Ion: 42 Resp: 447

Ion Ratio Lower Upper

42 100

72 33.3 35.1 52.7#

71 34.5 32.8 49.2



#33

1,2-Dichloroethane-d4

Concen: 46.84 ug/l

RT: 6.08 min Scan# 901

Delta R.T. 0.01 min

Lab File: VX000879.D

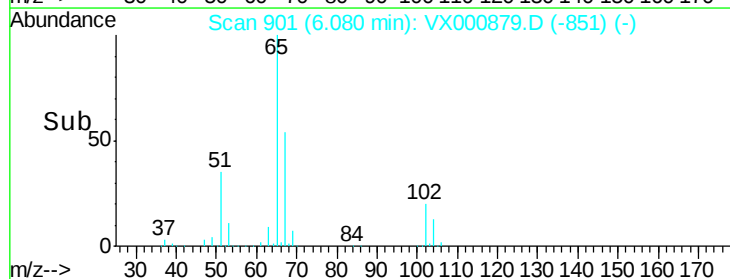
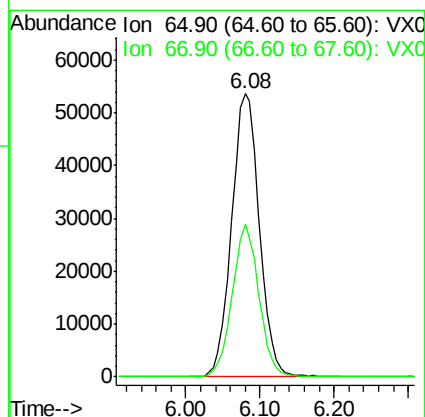
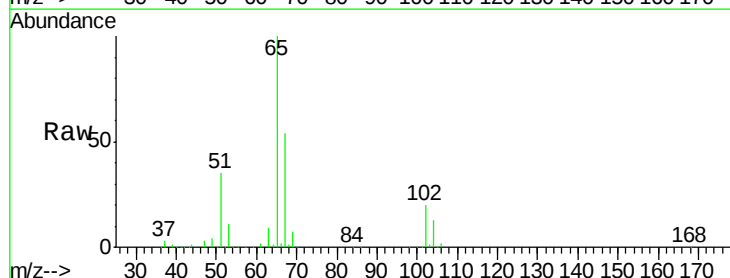
Acq: 14 Apr 2018 17:09

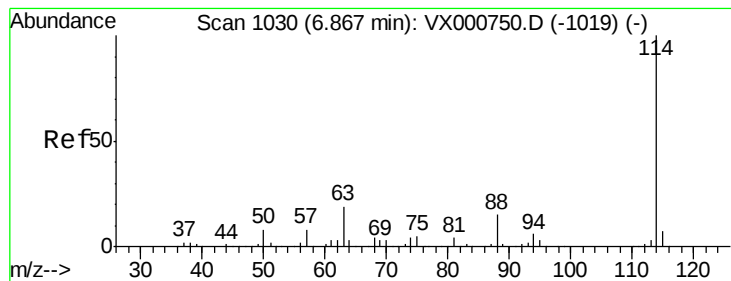
Tgt Ion: 65 Resp: 139724

Ion Ratio Lower Upper

65 100

67 51.9 0.0 103.8





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VX000879.D

Acq: 14 Apr 2018 17:09

Instrument :

MSVOA_X

ClientSampleId :

275

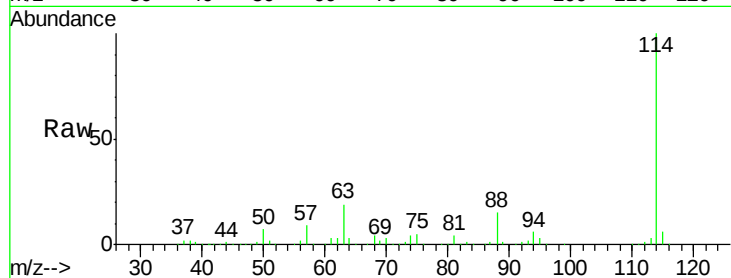
Tgt Ion:114 Resp: 319508

Ion Ratio Lower Upper

114 100

63 19.3 0.0 38.4

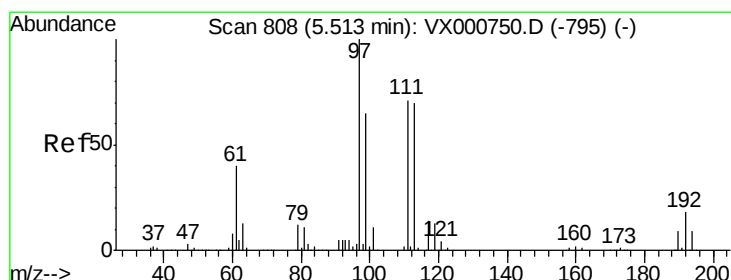
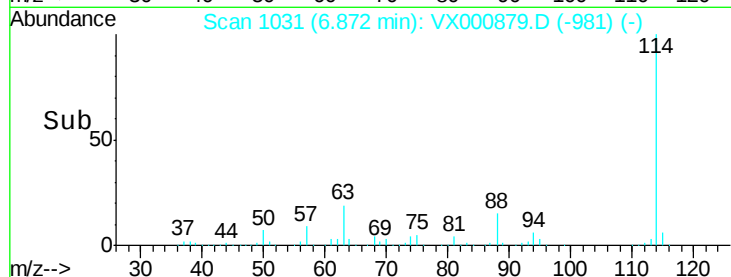
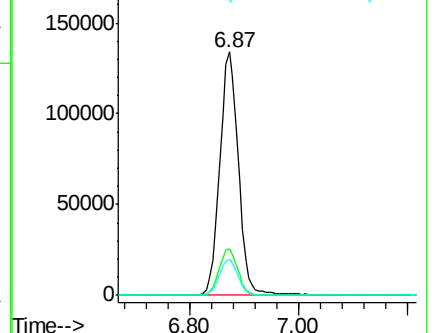
88 15.0 0.0 31.0



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: 45.77 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX000879.D

Acq: 14 Apr 2018 17:09

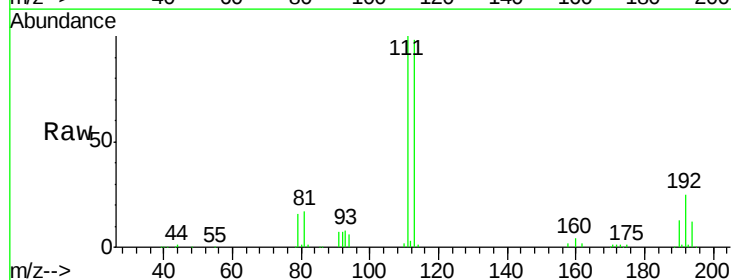
Tgt Ion:113 Resp: 112679

Ion Ratio Lower Upper

113 100

111 102.1 81.5 122.3

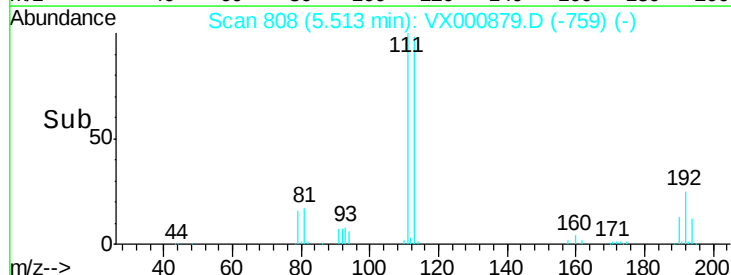
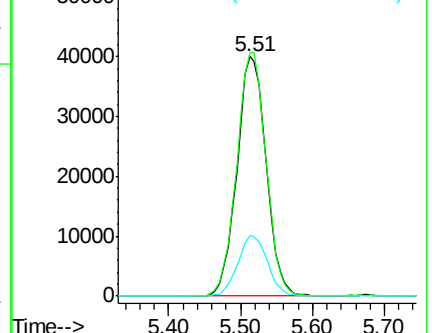
192 25.5 20.4 30.6

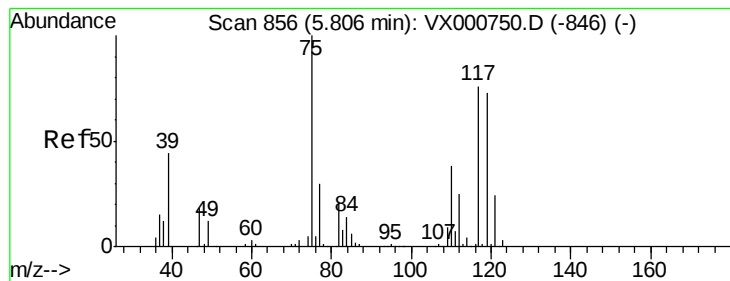


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.11 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.13 min

Lab File: VX000879.D

Acq: 14 Apr 2018 17:09

Instrument :

MSVOA_X

ClientSampleId :

275

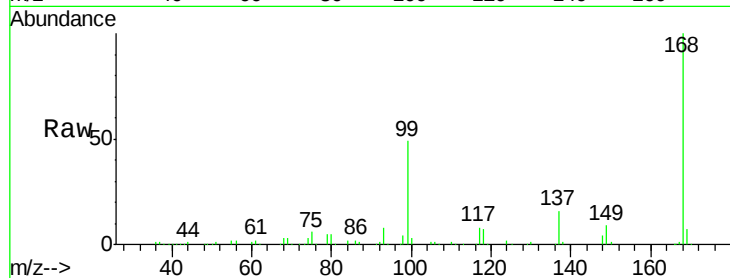
Tgt Ion: 75 Resp: 14462

Ion Ratio Lower Upper

75 100

110 10.4 19.2 57.6#

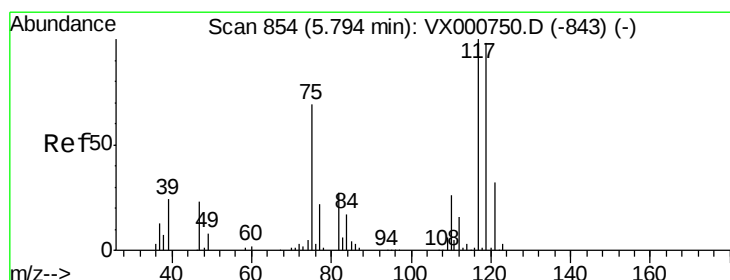
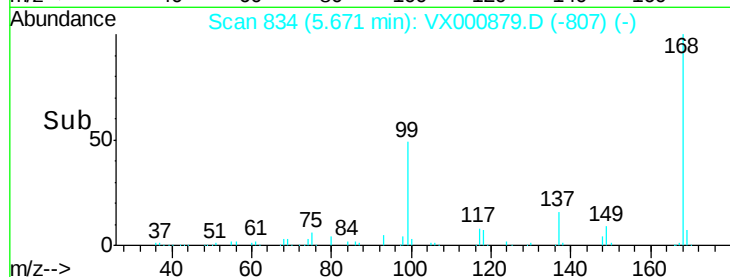
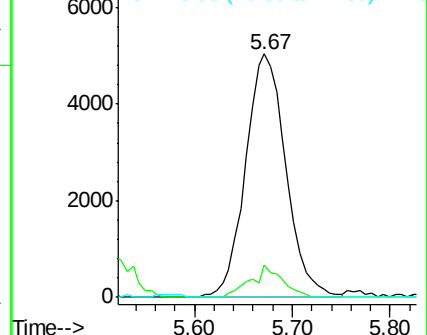
77 0.0 25.4 38.2#



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: 5.09 ug/l

RT: 5.68 min Scan# 835

Delta R.T. -0.12 min

Lab File: VX000879.D

Acq: 14 Apr 2018 17:09

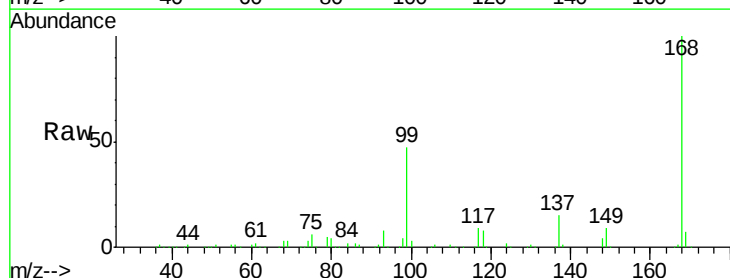
Tgt Ion: 117 Resp: 20039

Ion Ratio Lower Upper

117 100

119 4.4 78.4 117.6#

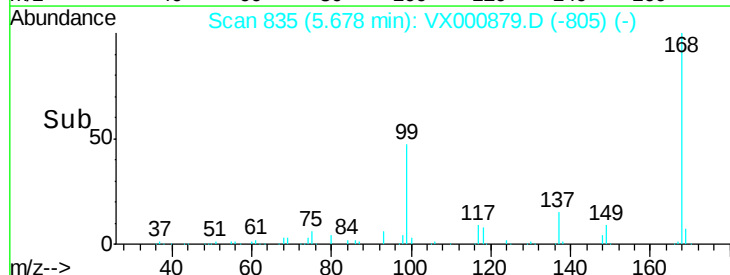
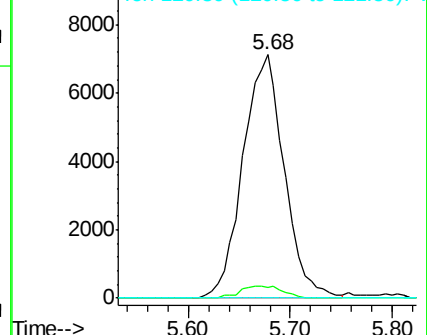
121 0.0 25.4 38.0#

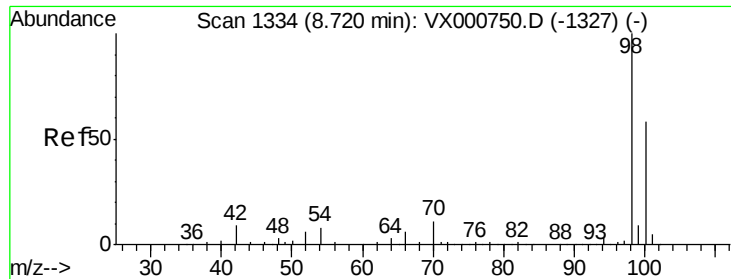


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

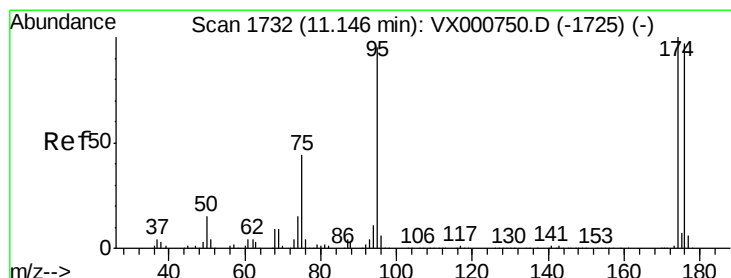
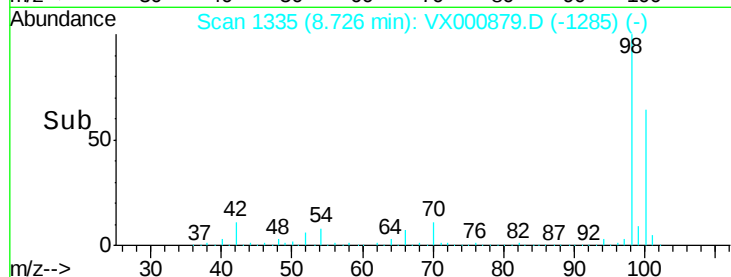
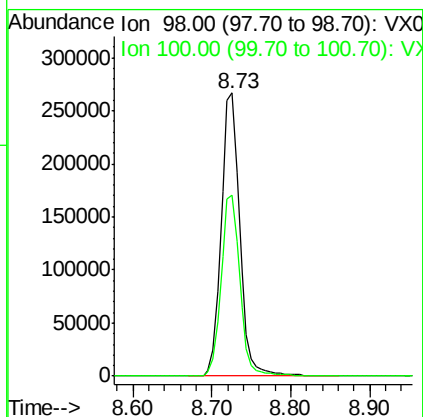
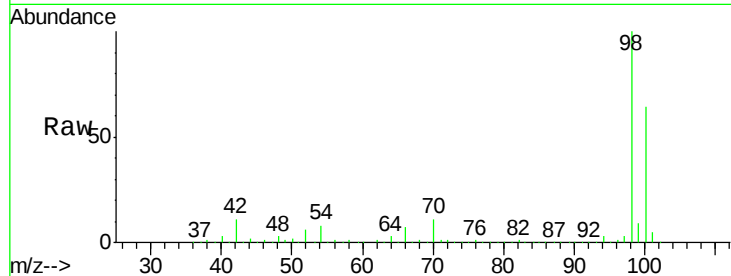




#50
Toluene-d8
Concen: 47.88 ug/l
RT: 8.73 min Scan# 1335
Delta R.T. 0.01 min
Lab File: VX000879.D
Acq: 14 Apr 2018 17:09

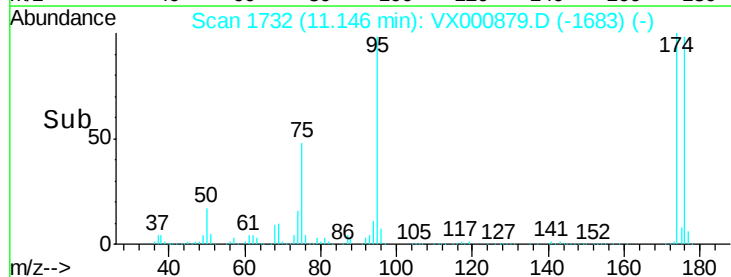
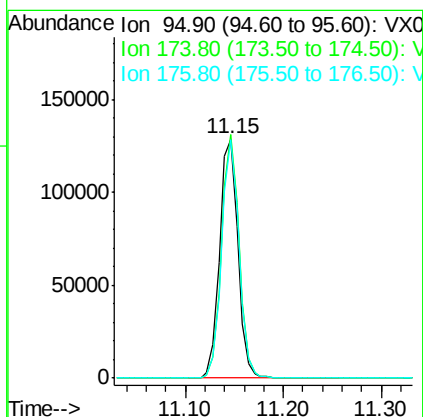
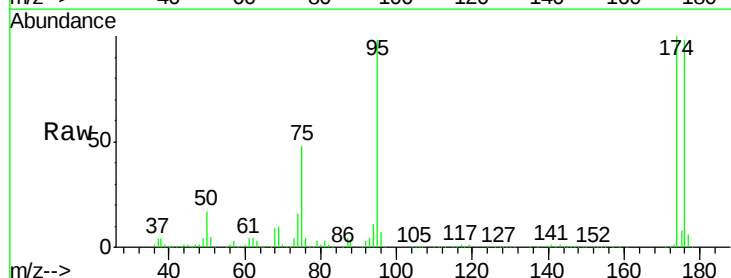
Instrument :
MSVOA_X
ClientSampleId :
275

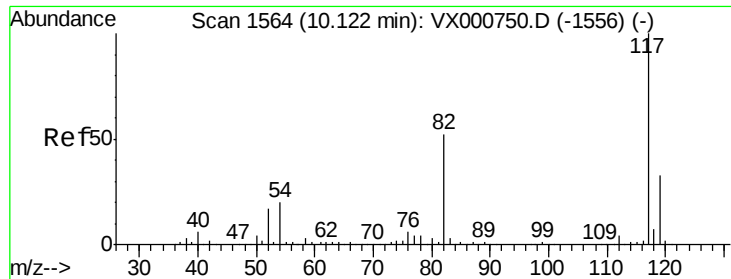
Tgt Ion: 98 Resp: 438847
Ion Ratio Lower Upper
98 100
100 64.9 52.6 79.0



#62
4-Bromofluorobenzene
Concen: 44.06 ug/l
RT: 11.15 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VX000879.D
Acq: 14 Apr 2018 17:09

Tgt Ion: 95 Resp: 167063
Ion Ratio Lower Upper
95 100
174 97.6 0.0 198.4
176 95.0 0.0 194.4

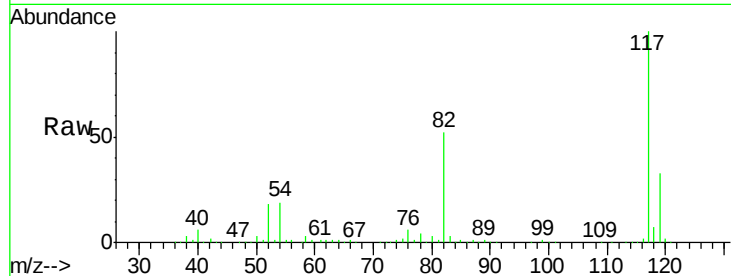




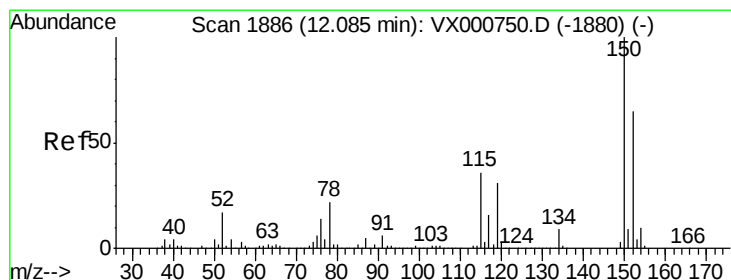
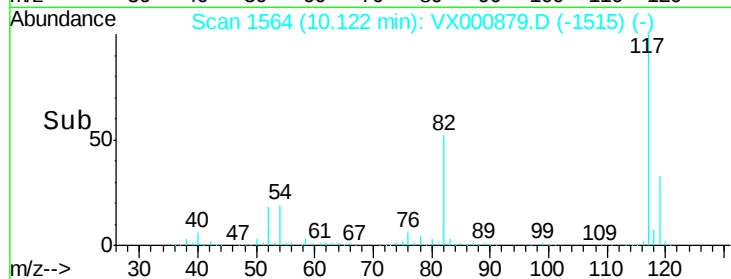
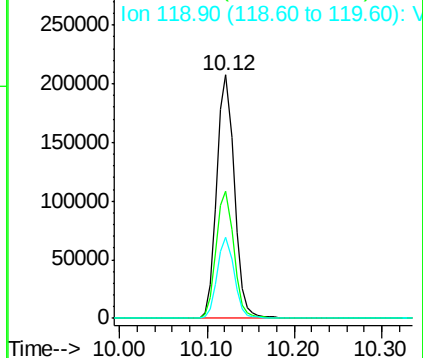
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000879.D
Acq: 14 Apr 2018 17:09

Instrument :
MSVOA_X
ClientSampled :
275

Tgt Ion:117 Resp: 289112
Ion Ratio Lower Upper
117 100
82 52.2 41.9 62.9
119 33.1 26.0 39.0

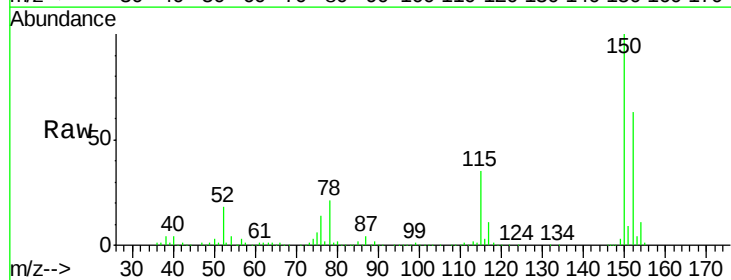


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

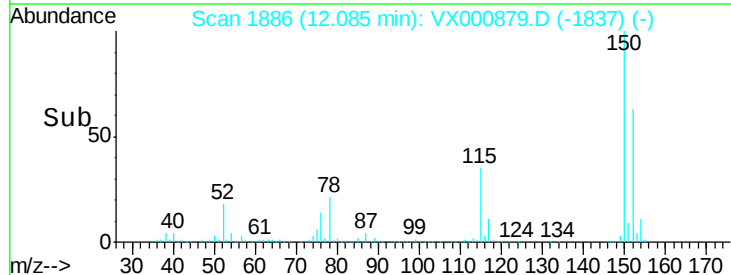
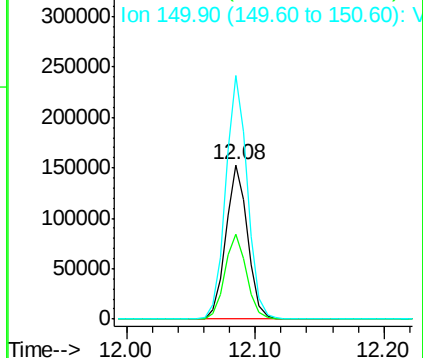


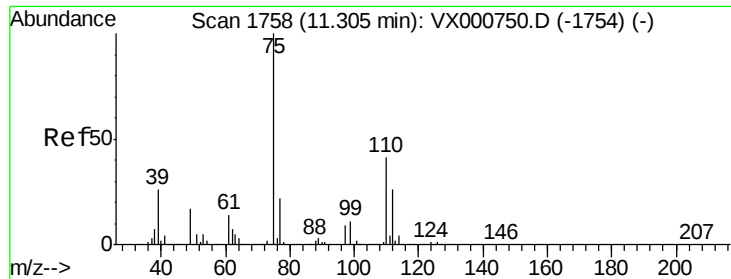
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX000879.D
Acq: 14 Apr 2018 17:09

Tgt Ion:152 Resp: 181571
Ion Ratio Lower Upper
152 100
115 54.7 37.9 113.7
150 157.5 0.0 348.0



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





#76

1,2,3-Trichloropropane

Concen: 25.91 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.16 min

Lab File: VX000879.D

Acq: 14 Apr 2018 17:09

Instrument :

MSVOA_X

ClientSampleId :

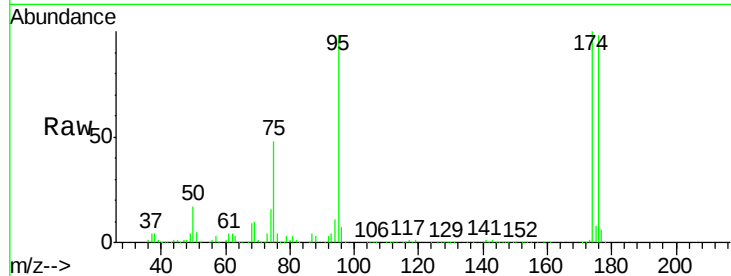
275

Tgt Ion: 75 Resp: 81149

Ion Ratio Lower Upper

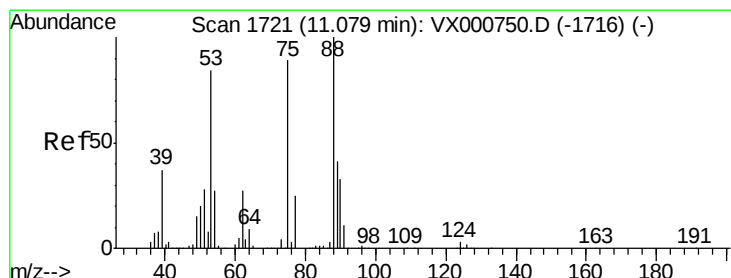
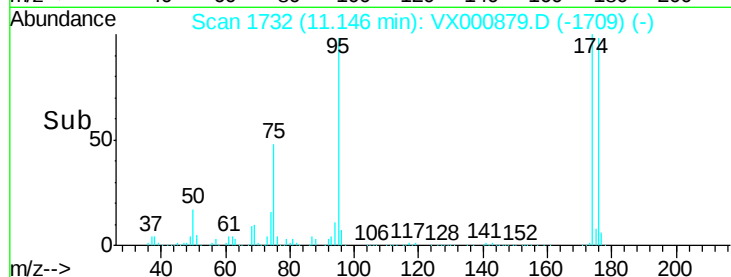
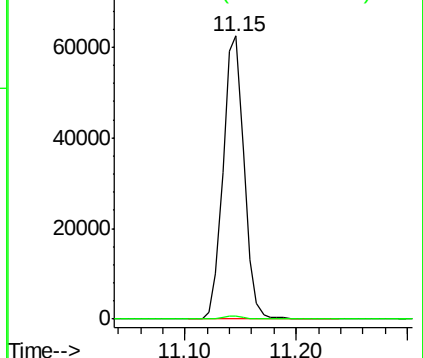
75 100

77 1.1 20.5 61.5#



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: 71.29 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.07 min

Lab File: VX000879.D

Acq: 14 Apr 2018 17:09

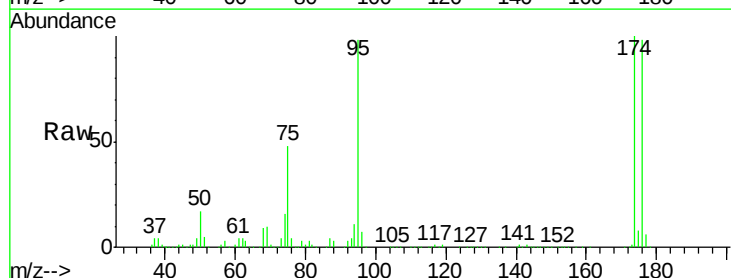
Tgt Ion: 75 Resp: 81149

Ion Ratio Lower Upper

75 100

53 0.0 75.4 113.0#

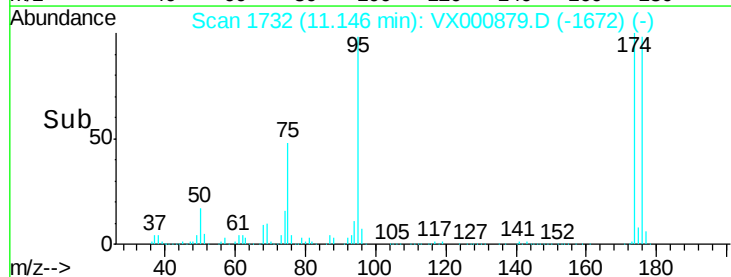
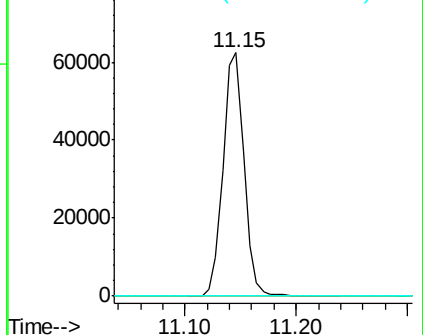
89 0.0 40.9 61.3#

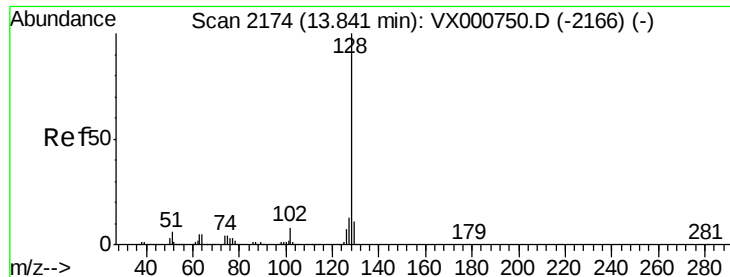


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#95
Naphthalene
Concen: 6.21 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. -0.00 min
Lab File: VX000879.D
Acq: 14 Apr 2018 17:09

Instrument :
MSVOA_X
ClientSampleId :
275

Tgt Ion:128 Resp: 82042
Ion Ratio Lower Upper
128 100
127 13.0 10.4 15.6
129 10.7 8.7 13.1

