

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX041418\
 Data File : VX000880.D
 Acq On : 14 Apr 2018 17:35
 Operator : JC/MD
 Sample : J2348-06 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 155

Quant Time: Apr 16 05:52:14 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	5.67	168	242241	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	322763	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	299444	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	193618	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.08	65	141850	46.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.88%	
35) Dibromofluoromethane	5.52	113	115043	46.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.52%	
50) Toluene-d8	8.73	98	444403	48.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.00%	
62) 4-Bromofluorobenzene	11.15	95	173674	45.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.68%	

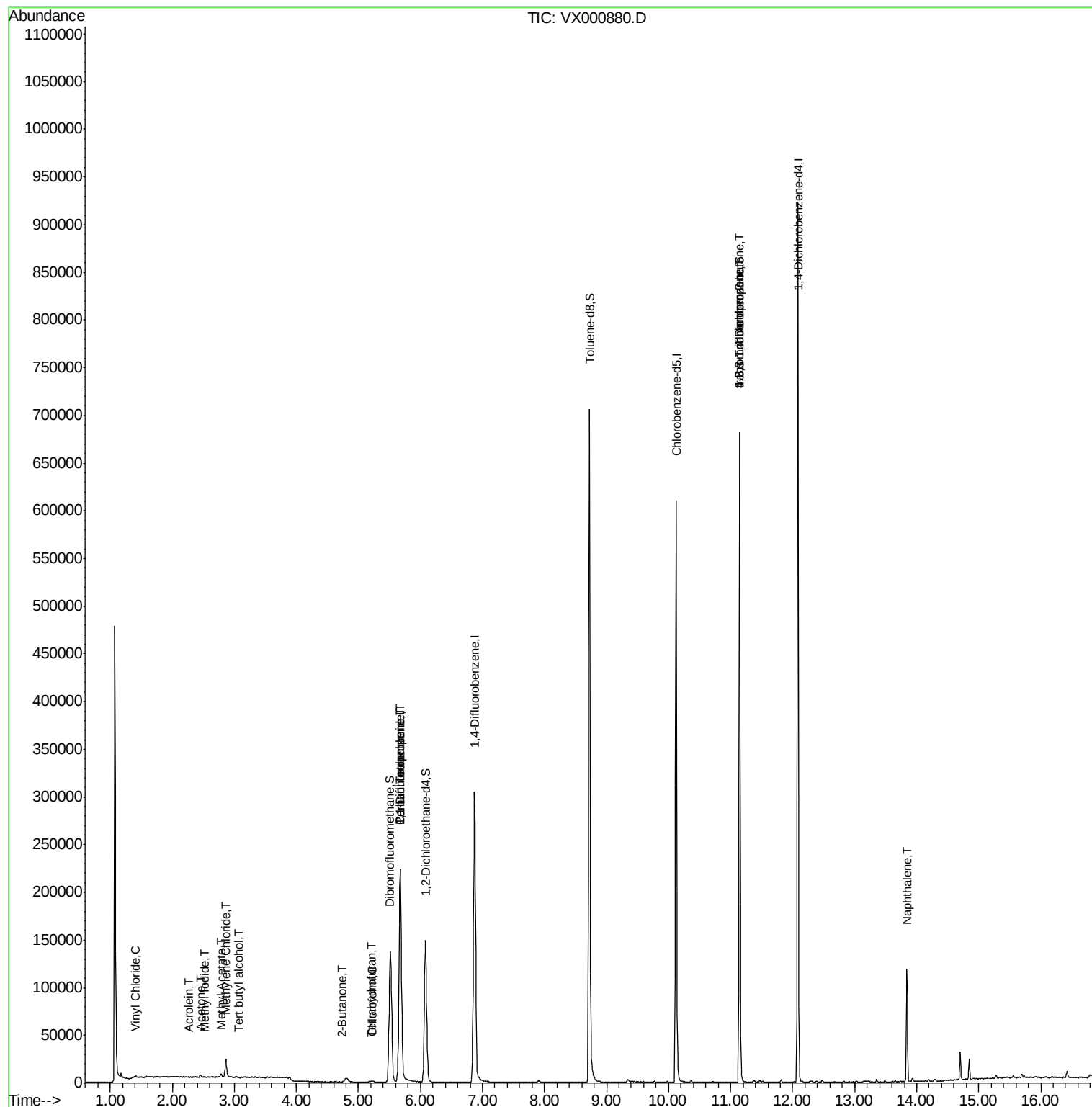
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.40	62	955	0.36	ug/l	98
5) Bromomethane	1.65	94	348	Below	Cal	87
10) Methyl Iodide	2.51	142	108	8.28	ug/l #	42
11) Tert butyl alcohol	3.08	59	156	0.29	ug/l #	72
13) Acrolein	2.28	56	60	0.23	ug/l #	13
16) Acetone	2.45	43	2944	2.80	ug/l	98
18) Methyl Acetate	2.79	43	4572	1.68	ug/l	99
20) Methylene Chloride	2.86	84	8941	3.65	ug/l	94
25) 2-Butanone	4.73	43	888	0.51	ug/l #	82
29) Tetrahydrofuran	5.20	42	789	0.71	ug/l #	65
30) Chloroform	5.22	83	1360	0.30	ug/l	95
36) 1,1-Dichloropropene	5.67	75	14498	4.08	ug/l #	49
38) Carbon Tetrachloride	5.67	117	20117	5.06	ug/l #	15
76) 1,2,3-Trichloropropane	11.15	75	84888	25.42	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.15	75	84888	69.93	ug/l #	11
95) Naphthalene	13.84	128	72966	5.18	ug/l	100

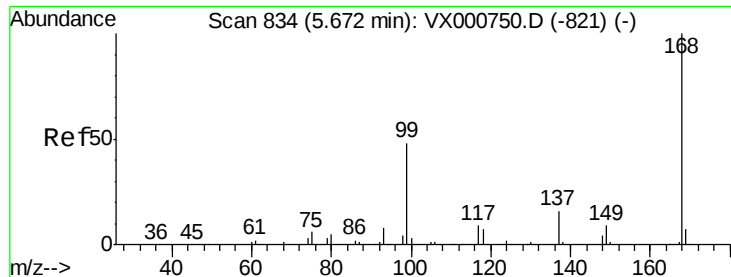
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX000880.D

Acq: 14 Apr 2018 17:35

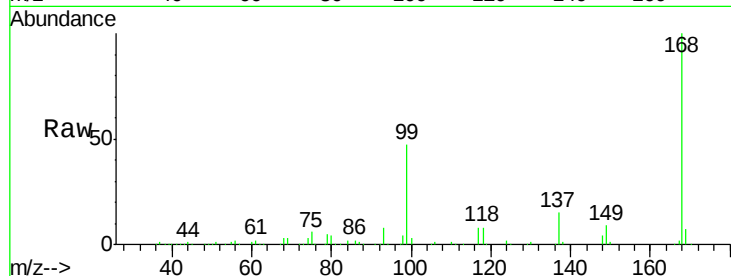
Instrument :
MSVOA_X
ClientSampleId :
155

Tgt Ion: 168 Resp: 242241

Ion Ratio Lower Upper

168 100

99 46.7 38.3 57.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

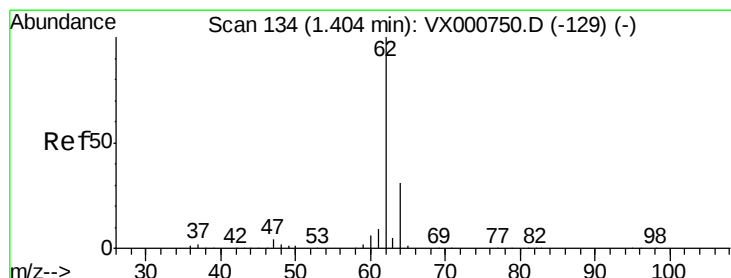
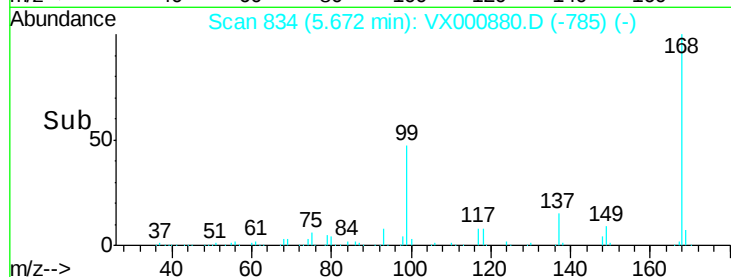
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#4

Vinyl Chloride

Concen: 0.36 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX000880.D

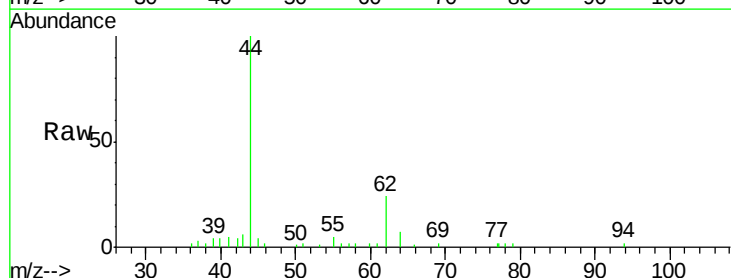
Acq: 14 Apr 2018 17:35

Tgt Ion: 62 Resp: 955

Ion Ratio Lower Upper

62 100

64 31.6 24.6 36.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.40

1000

800

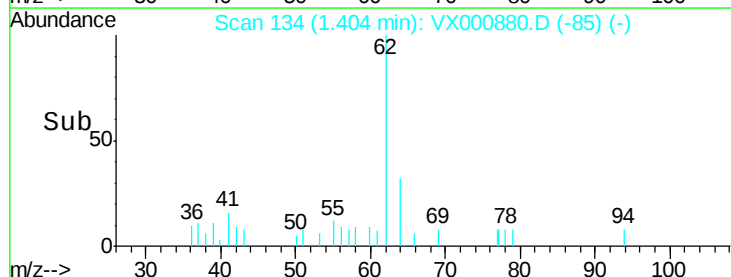
600

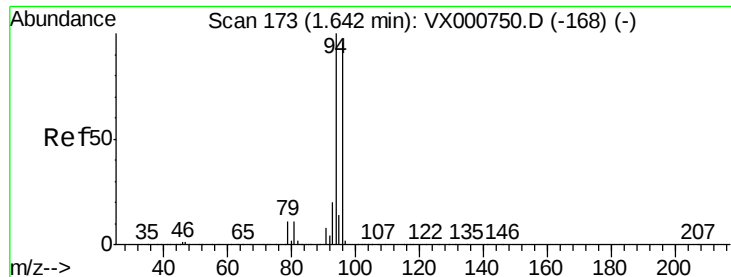
400

200

0

Time--> 1.35 1.40 1.45





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 175

Delta R.T. 0.01 min

Lab File: VX000880.D

Acq: 14 Apr 2018 17:35

Instrument :

MSVOA_X

ClientSampled :

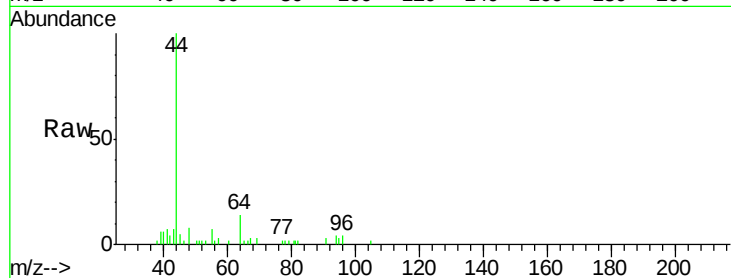
155

Tgt Ion: 94 Resp: 348

Ion Ratio Lower Upper

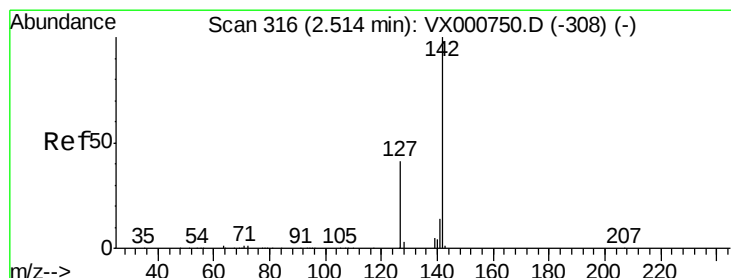
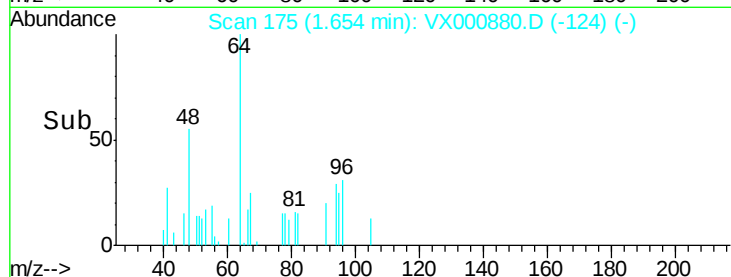
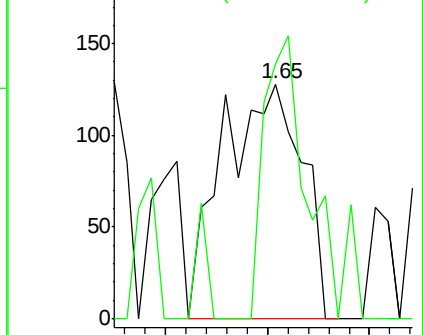
94 100

96 108.6 77.0 115.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#10

Methyl Iodide

Concen: 8.28 ug/l

RT: 2.51 min Scan# 316

Delta R.T. 0.00 min

Lab File: VX000880.D

Acq: 14 Apr 2018 17:35

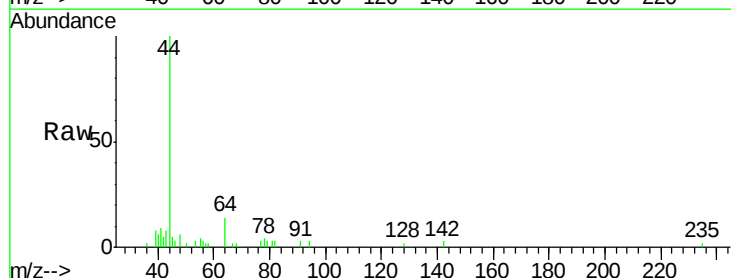
Tgt Ion: 142 Resp: 108

Ion Ratio Lower Upper

142 100

127 0.0 32.6 49.0#

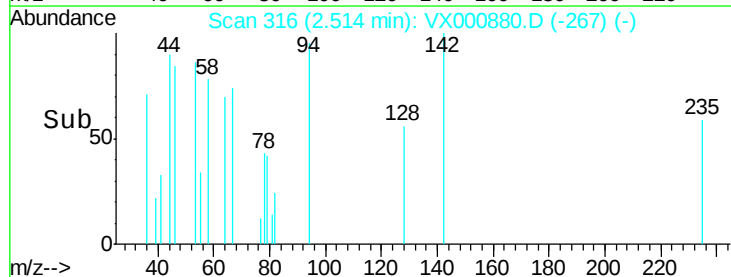
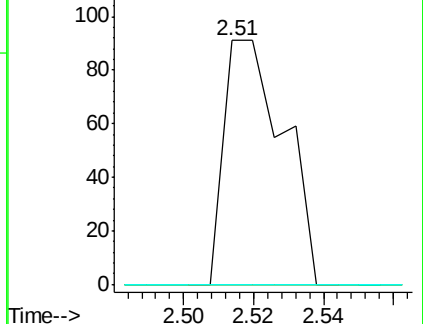
141 0.0 11.5 17.3#

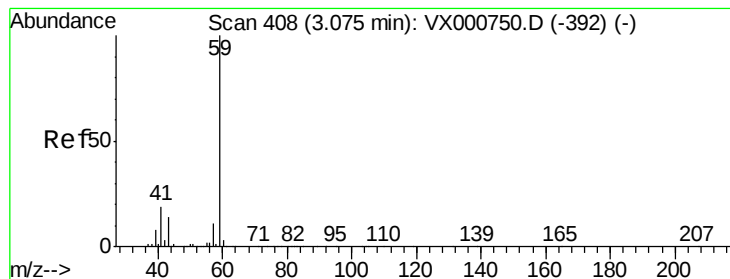


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 0.29 ug/l

RT: 3.08 min Scan# 409

Delta R.T. 0.01 min

Lab File: VX000880.D

Acq: 14 Apr 2018 17:35

Instrument :

MSVOA_X

ClientSampled :

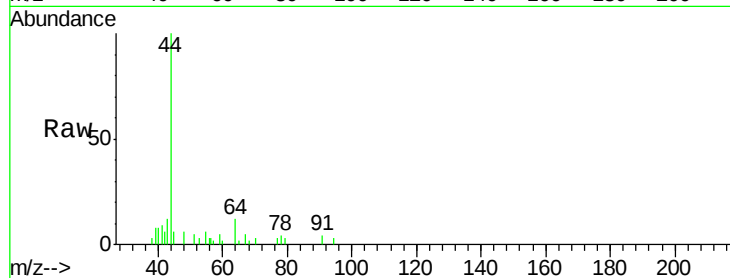
155

Tgt Ion: 59 Resp: 156

Ion Ratio Lower Upper

59 100

57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

150

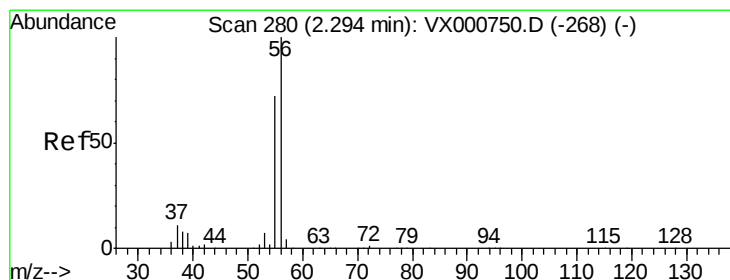
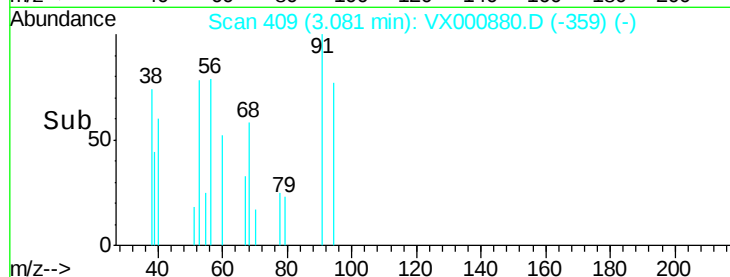
100

50

0

3.06 3.08 3.10 3.12

Time-->



#13

Acrolein

Concen: 0.23 ug/l

RT: 2.28 min Scan# 277

Delta R.T. -0.02 min

Lab File: VX000880.D

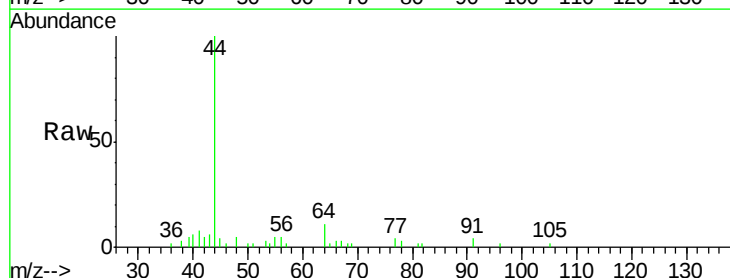
Acq: 14 Apr 2018 17:35

Tgt Ion: 56 Resp: 60

Ion Ratio Lower Upper

56 100

55 0.0 58.7 88.1#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

200

150

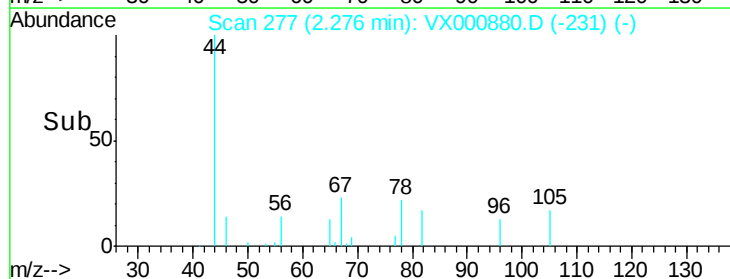
100

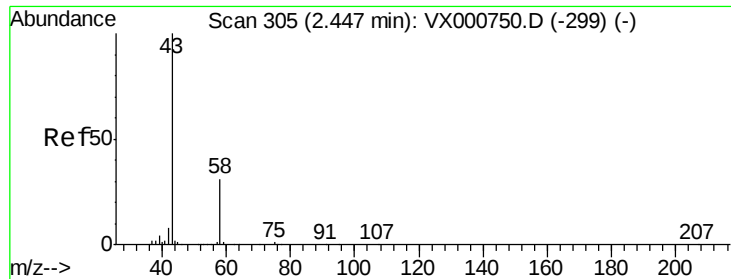
50

0

2.26 2.28

Time-->





#16

Acetone

Concen: 2.80 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX000880.D

Acq: 14 Apr 2018 17:35

Instrument :

MSVOA_X

ClientSampled :

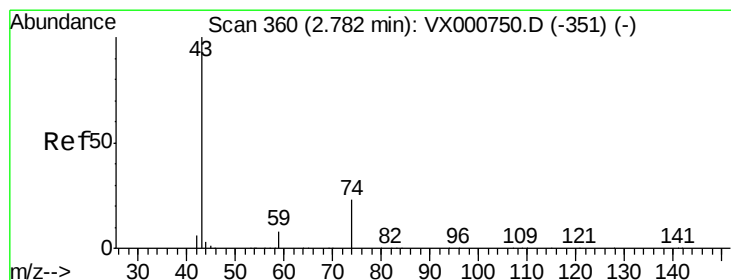
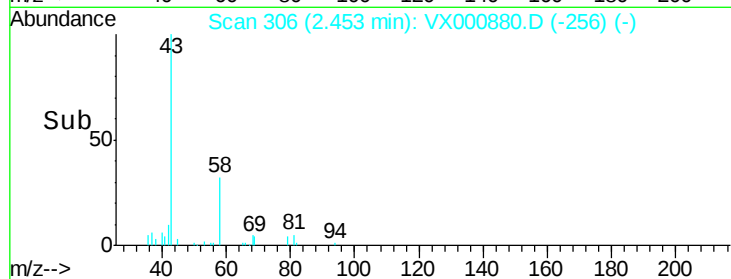
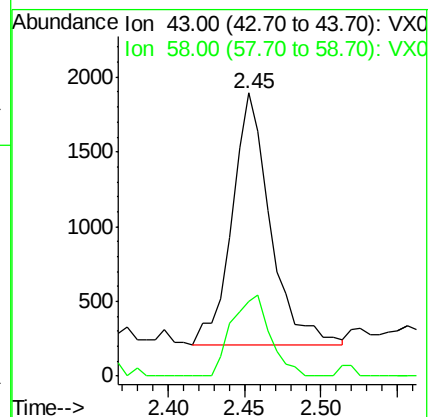
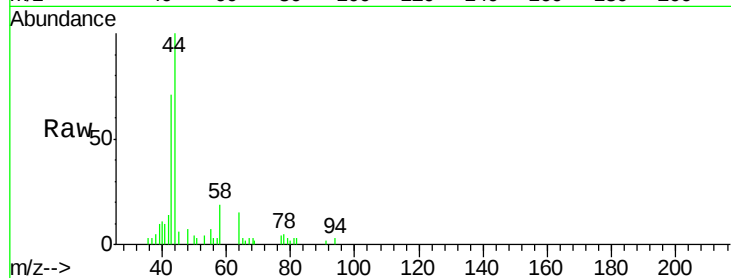
155

Tgt Ion: 43 Resp: 2944

Ion Ratio Lower Upper

43 100

58 29.8 24.6 37.0



#18

Methyl Acetate

Concen: 1.68 ug/l

RT: 2.79 min Scan# 361

Delta R.T. 0.01 min

Lab File: VX000880.D

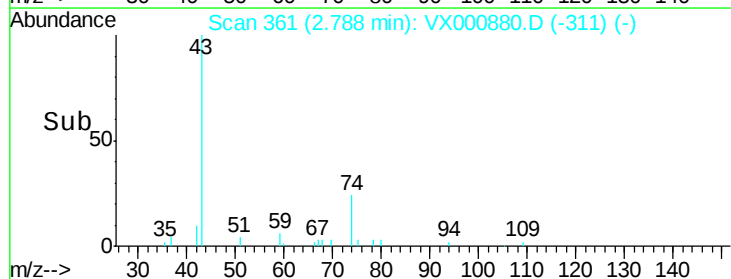
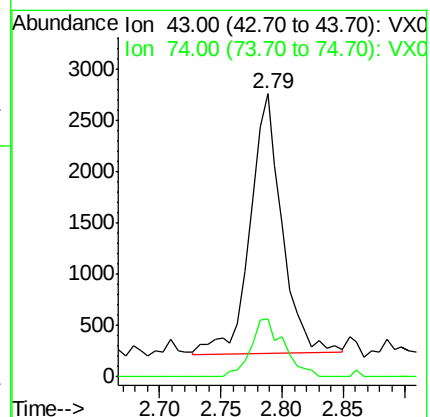
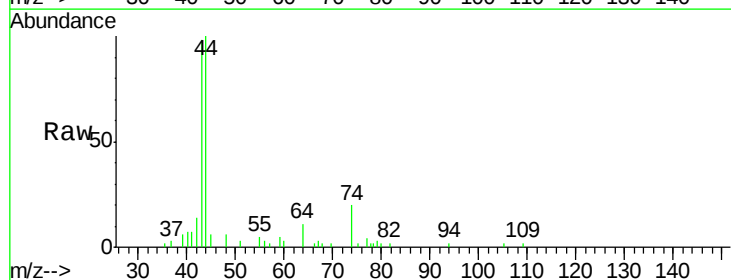
Acq: 14 Apr 2018 17:35

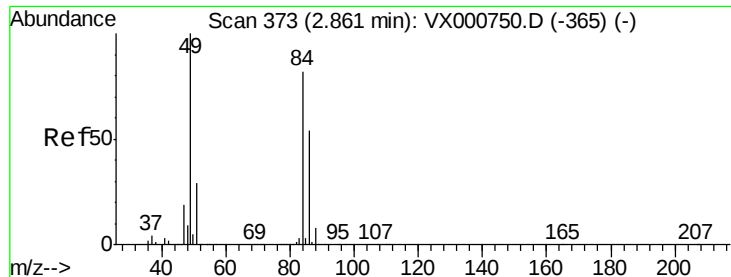
Tgt Ion: 43 Resp: 4572

Ion Ratio Lower Upper

43 100

74 23.6 19.1 28.7





#20

Methylene Chloride

Concen: 3.65 ug/l

RT: 2.86 min Scan# 373

Delta R.T. -0.00 min

Lab File: VX000880.D

Acq: 14 Apr 2018 17:35

Instrument :
MSVOA_X
ClientSampled :
155

Tgt Ion: 84 Resp: 8941

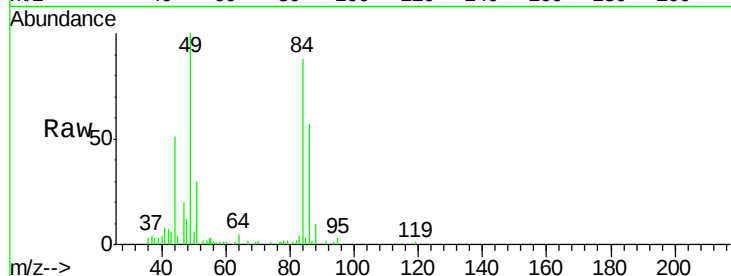
Ion Ratio Lower Upper

84 100

49 114.2 98.1 147.1

51 32.0 28.9 43.3

86 65.0 52.7 79.1

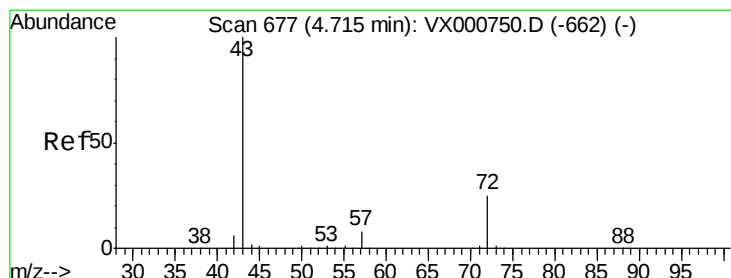
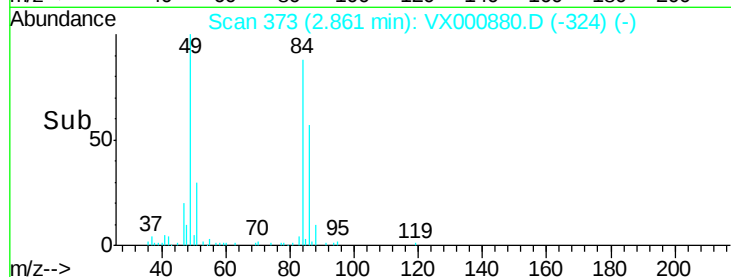
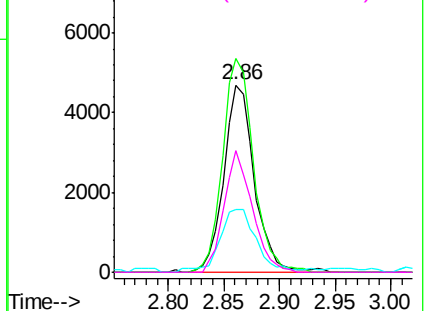


Abundance Ion 83.90 (83.60 to 84.60): VX0

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



#25

2-Butanone

Concen: 0.51 ug/l

RT: 4.73 min Scan# 679

Delta R.T. 0.01 min

Lab File: VX000880.D

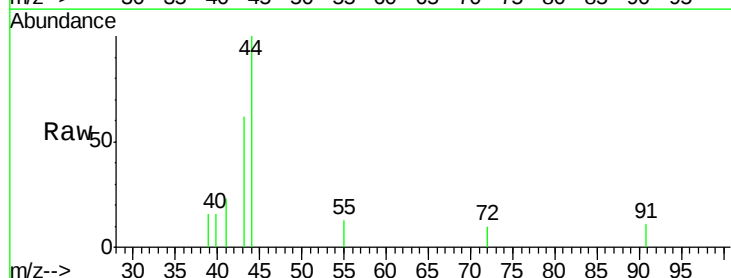
Acq: 14 Apr 2018 17:35

Tgt Ion: 43 Resp: 888

Ion Ratio Lower Upper

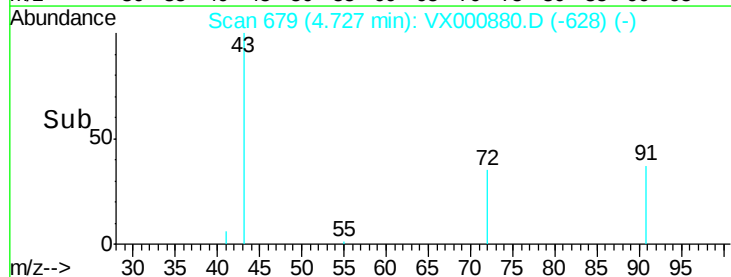
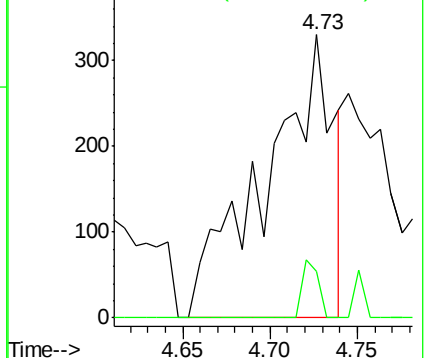
43 100

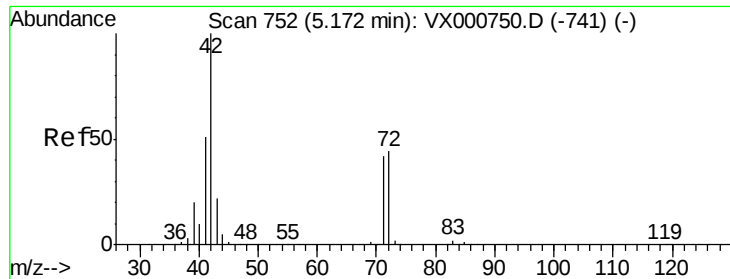
72 16.4 20.3 30.5#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

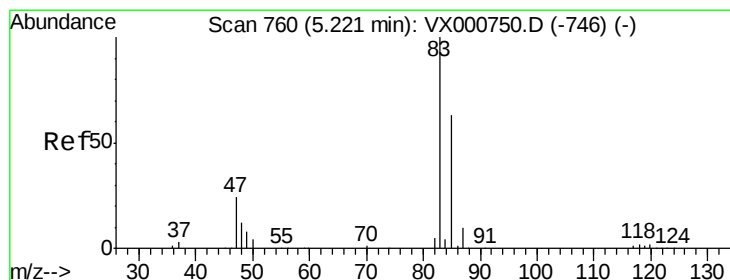
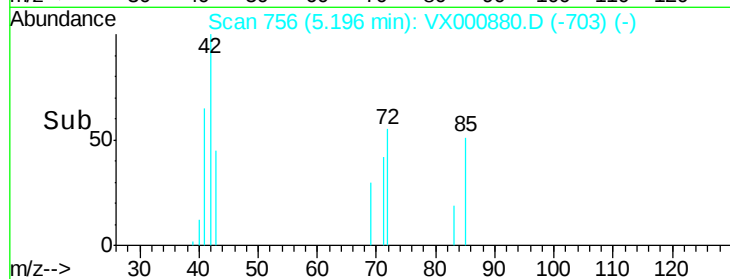
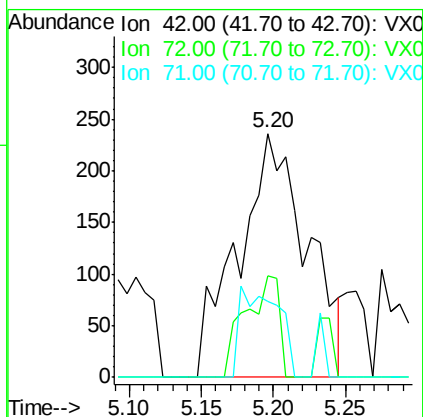
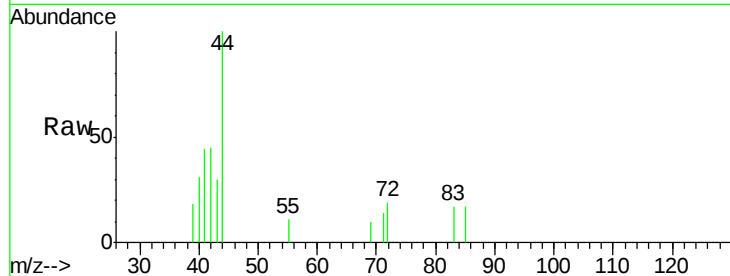




#29
Tetrahydrofuran
Concen: 0.71 ug/l
RT: 5.20 min Scan# 756
Delta R.T. 0.02 min
Lab File: VX000880.D
Acq: 14 Apr 2018 17:35

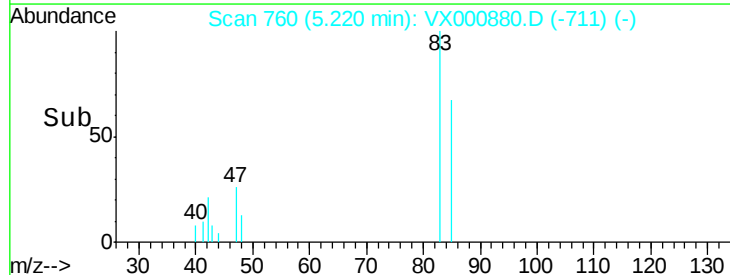
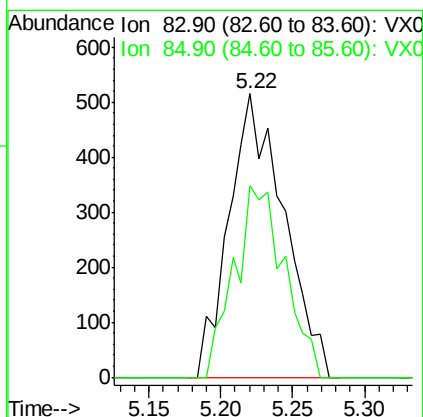
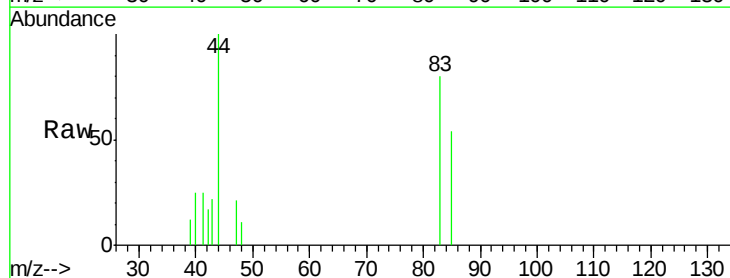
Instrument :
MSVOA_X
ClientSampled :
155

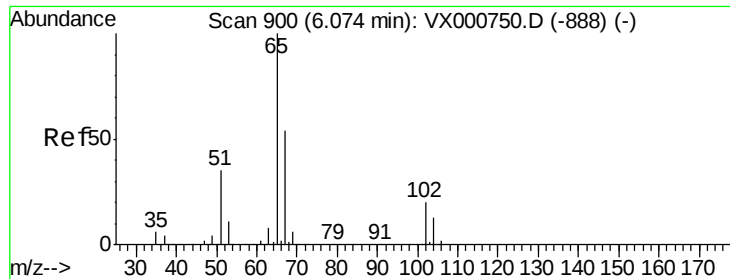
Tgt Ion: 42 Resp: 789
Ion Ratio Lower Upper
42 100
72 20.3 35.1 52.7#
71 20.5 32.8 49.2#



#30
Chloroform
Concen: 0.30 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX000880.D
Acq: 14 Apr 2018 17:35

Tgt Ion: 83 Resp: 1360
Ion Ratio Lower Upper
83 100
85 67.4 50.7 76.1

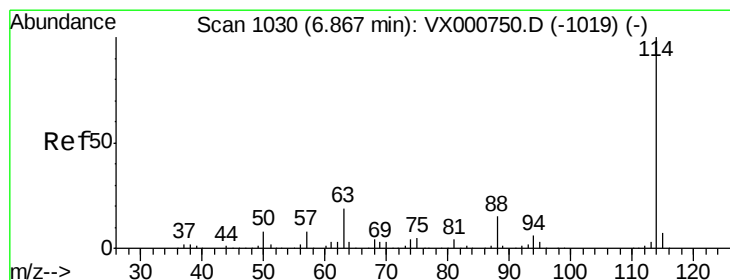
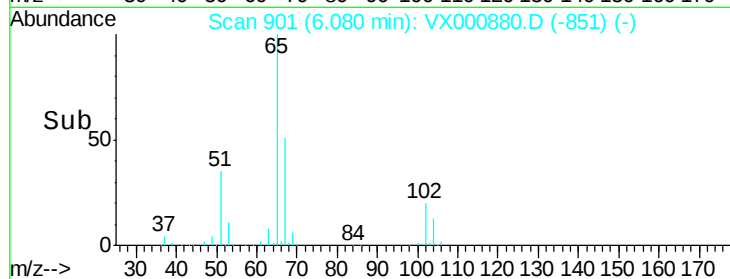
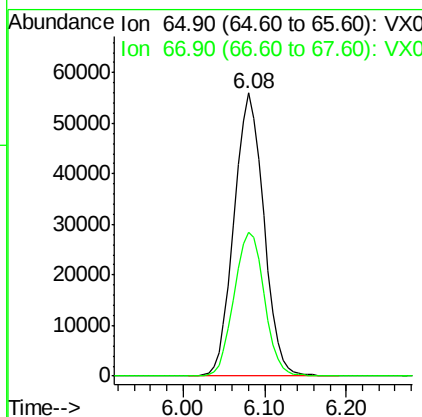
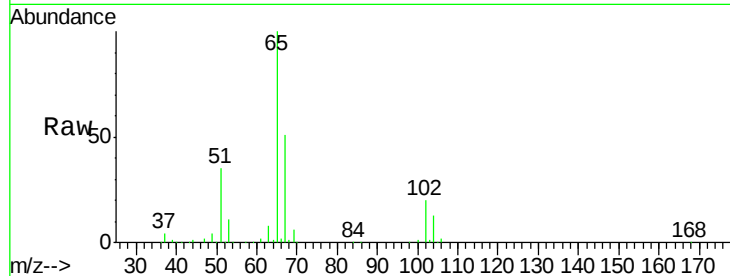




#33
 1,2-Dichloroethane-d4
 Concen: 46.44 ug/l
 RT: 6.08 min Scan# 901
 Delta R.T. 0.01 min
 Lab File: VX000880.D
 Acq: 14 Apr 2018 17:35

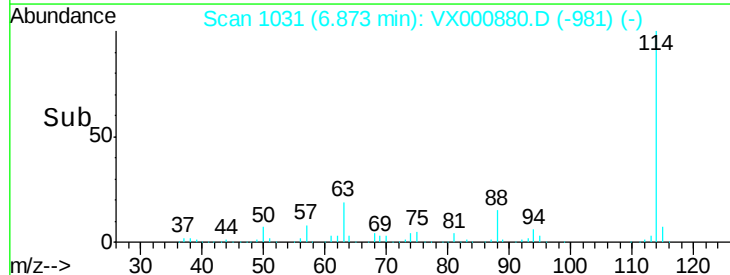
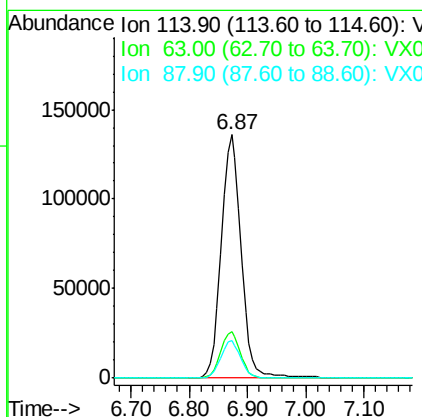
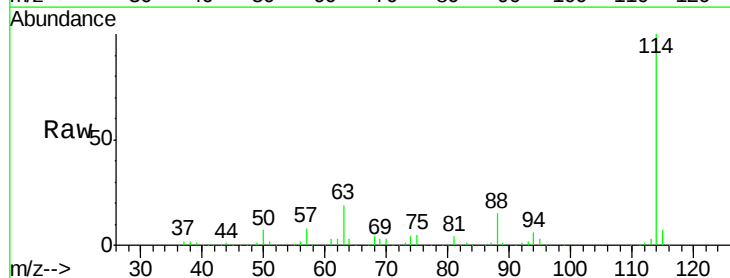
Instrument :
 MSVOA_X
 ClientSampleId :
 155

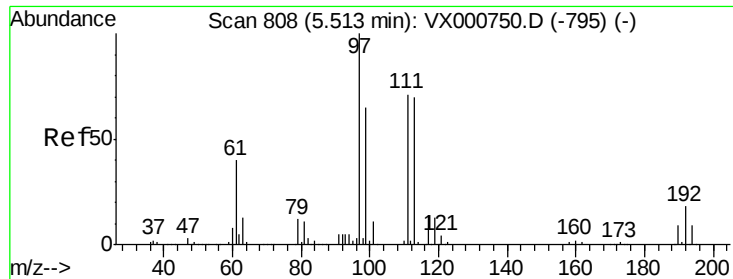
Tgt Ion: 65 Resp: 141850
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. 0.01 min
 Lab File: VX000880.D
 Acq: 14 Apr 2018 17:35

Tgt Ion: 114 Resp: 322763
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 38.4
 88 15.5 0.0 31.0





#35

Dibromofluoromethane

Concen: 46.26 ug/l

RT: 5.52 min Scan# 809

Delta R.T. 0.01 min

Lab File: VX000880.D

Acq: 14 Apr 2018 17:35

Instrument :
MSVOA_X
ClientSampled :
155

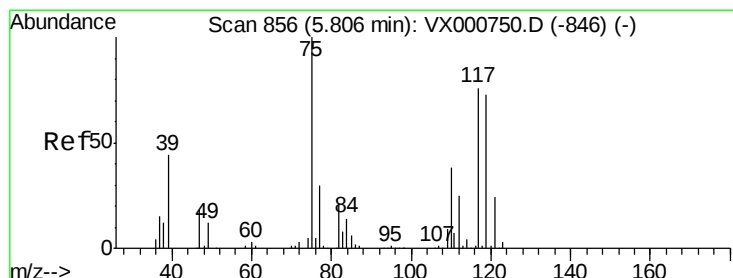
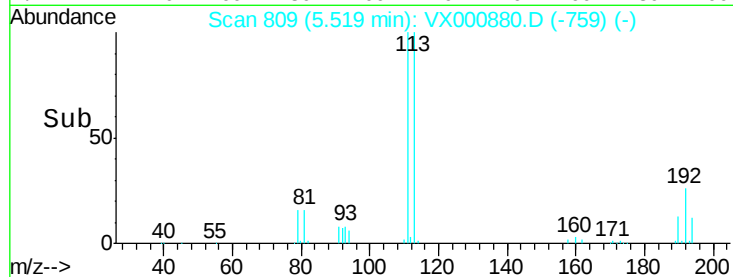
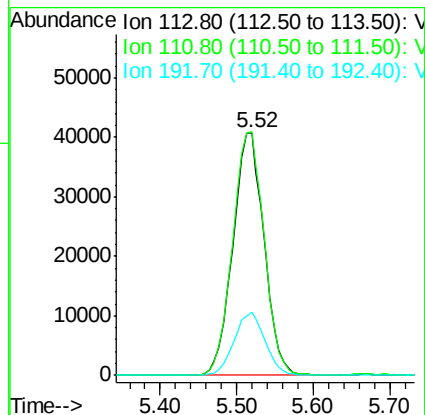
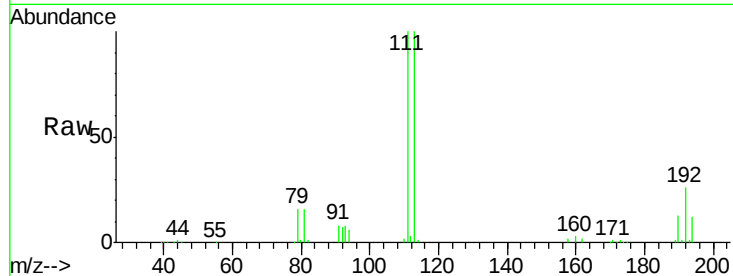
Tgt Ion:113 Resp: 115043

Ion Ratio Lower Upper

113 100

111 101.5 81.5 122.3

192 25.8 20.4 30.6



#36

1,1-Dichloropropene

Concen: 4.08 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.13 min

Lab File: VX000880.D

Acq: 14 Apr 2018 17:35

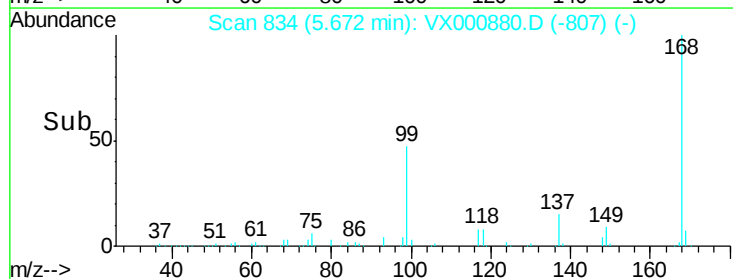
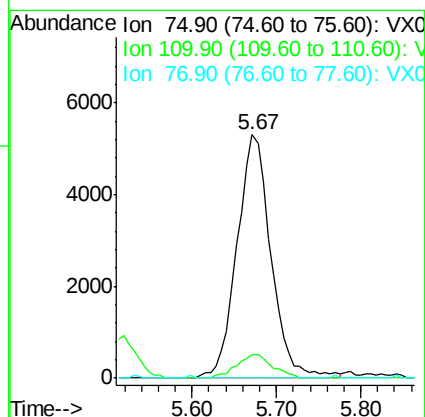
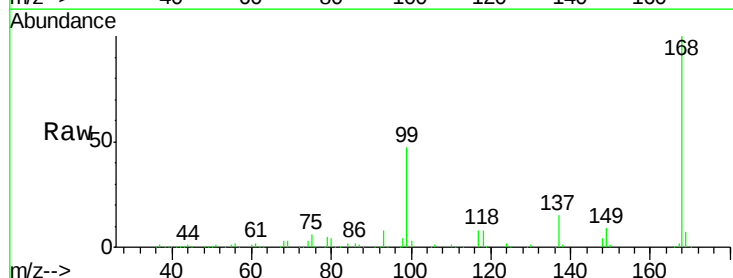
Tgt Ion: 75 Resp: 14498

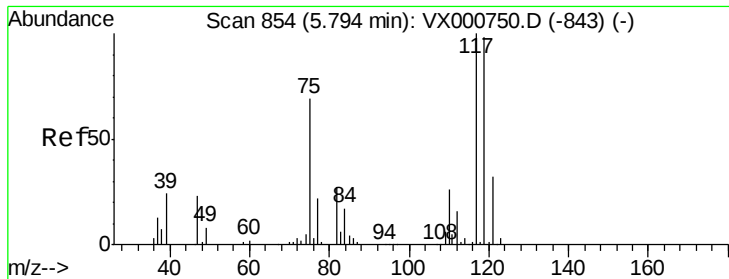
Ion Ratio Lower Upper

75 100

110 10.2 19.2 57.6#

77 0.0 25.4 38.2#





#38

Carbon Tetrachloride

Concen: 5.06 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX000880.D

Acq: 14 Apr 2018 17:35

Instrument :

MSVOA_X

ClientSampleId :

155

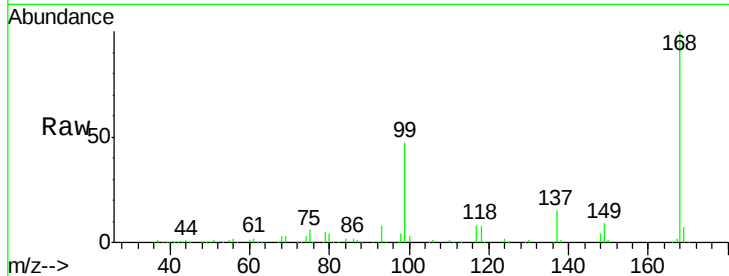
Tgt Ion: 117 Resp: 20117

Ion Ratio Lower Upper

117 100

119 5.6 78.4 117.6#

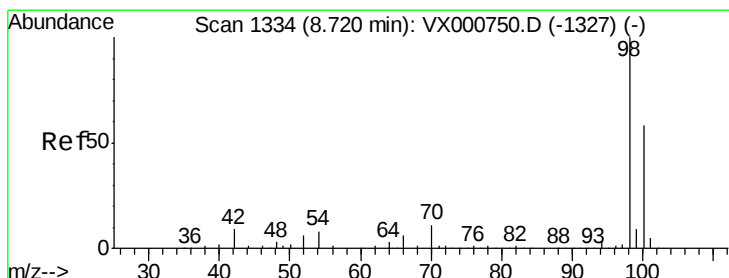
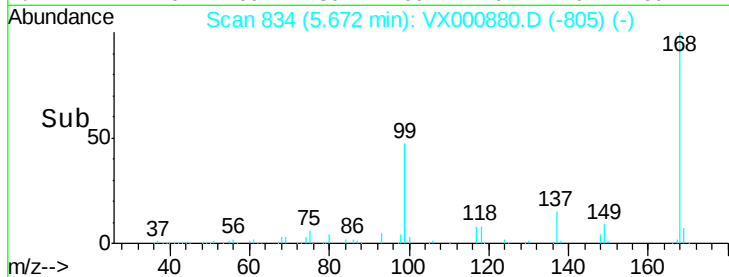
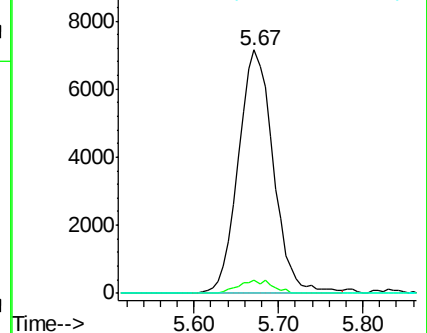
121 0.0 25.4 38.0#



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: 48.00 ug/l

RT: 8.73 min Scan# 1335

Delta R.T. 0.01 min

Lab File: VX000880.D

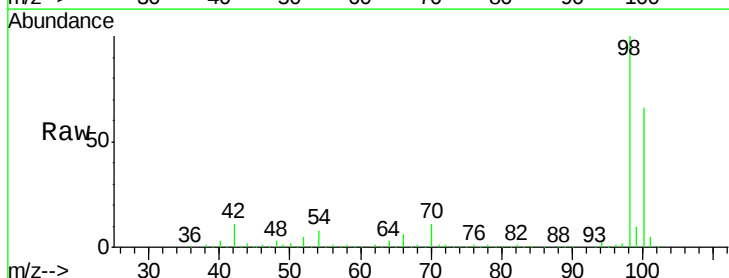
Acq: 14 Apr 2018 17:35

Tgt Ion: 98 Resp: 444403

Ion Ratio Lower Upper

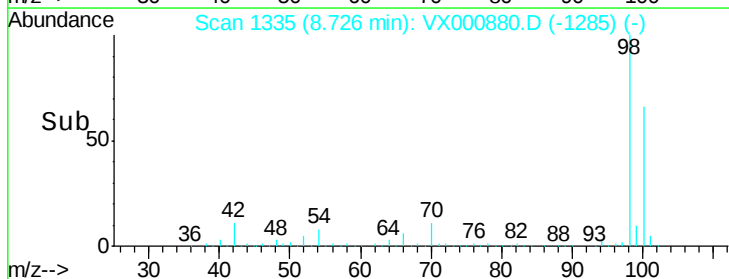
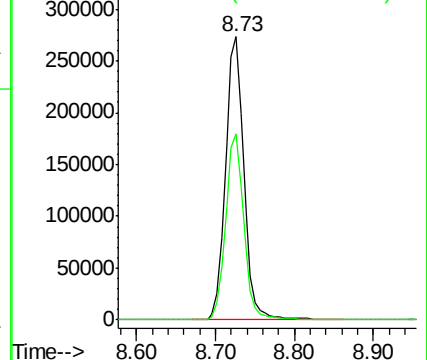
98 100

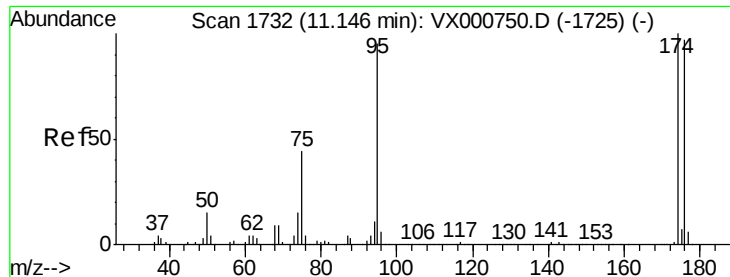
100 65.1 52.6 79.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

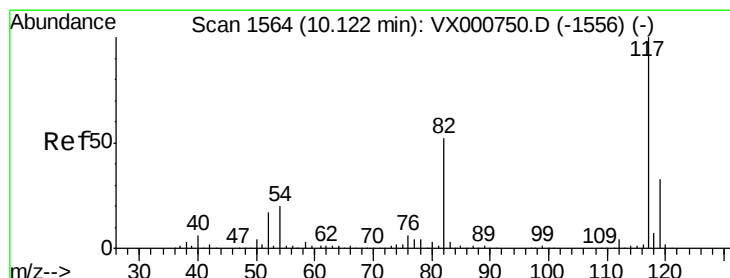
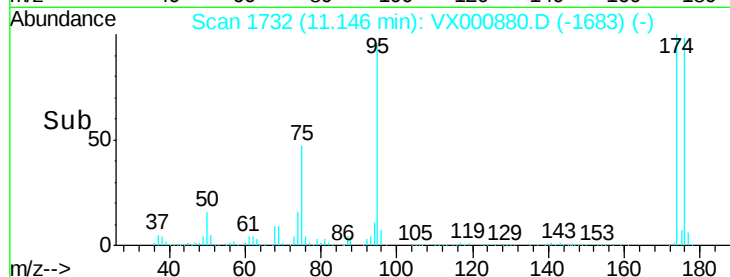
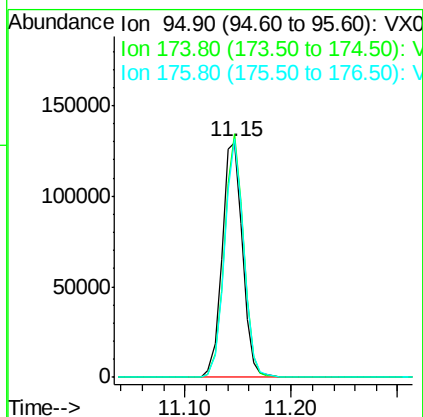
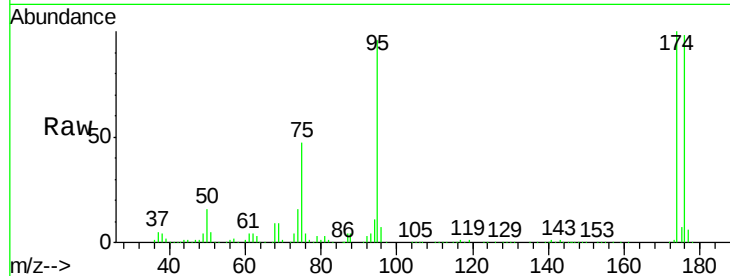




#62
4-Bromofluorobenzene
Concen: 45.34 ug/l
RT: 11.15 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VX000880.D
Acq: 14 Apr 2018 17:35

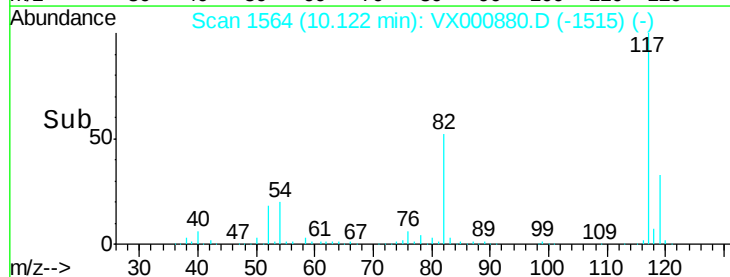
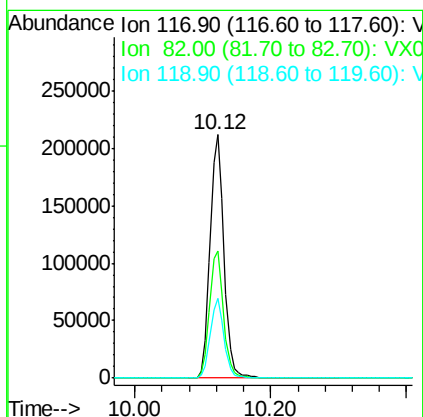
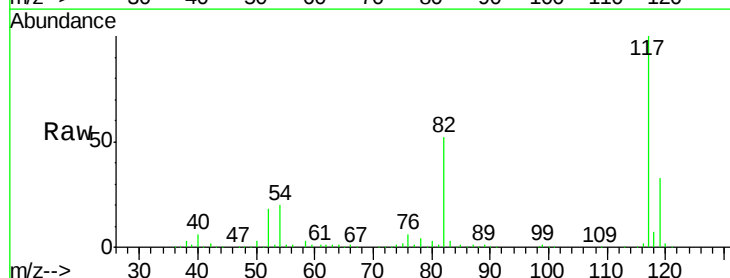
Instrument :
MSVOA_X
ClientSampleId :
155

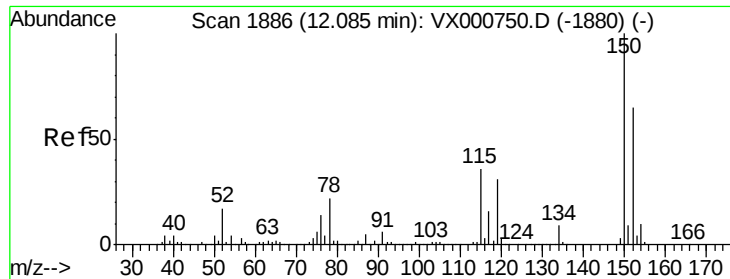
Tgt Ion: 95 Resp: 173674
Ion Ratio Lower Upper
95 100
174 97.8 0.0 198.4
176 95.5 0.0 194.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000880.D
Acq: 14 Apr 2018 17:35

Tgt Ion: 117 Resp: 299444
Ion Ratio Lower Upper
117 100
82 52.0 41.9 62.9
119 32.9 26.0 39.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX000880.D

Acq: 14 Apr 2018 17:35

Instrument :

MSVOA_X

ClientSampleId :

155

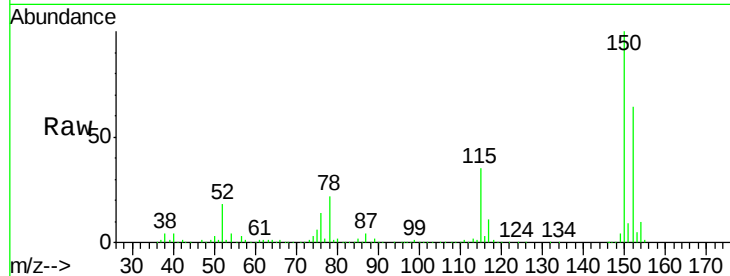
Tgt Ion:152 Resp: 193618

Ion Ratio Lower Upper

152 100

115 54.2 37.9 113.7

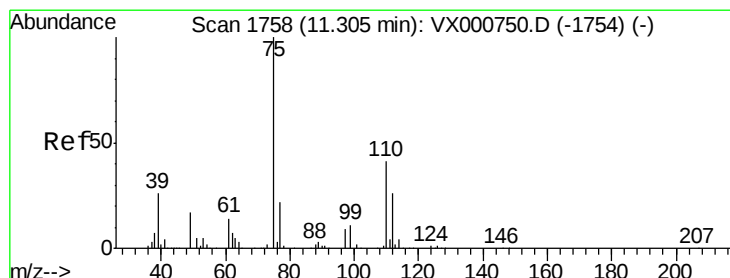
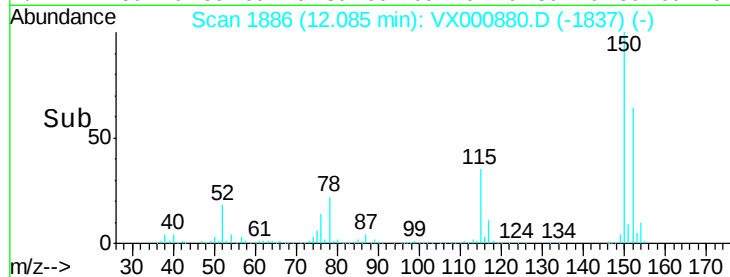
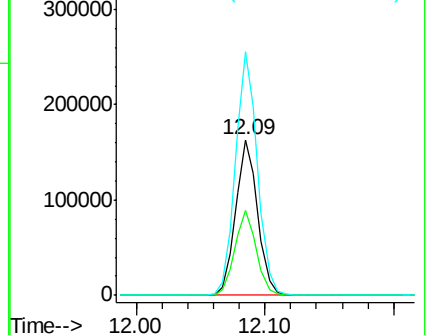
150 156.9 0.0 348.0



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: 25.42 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.16 min

Lab File: VX000880.D

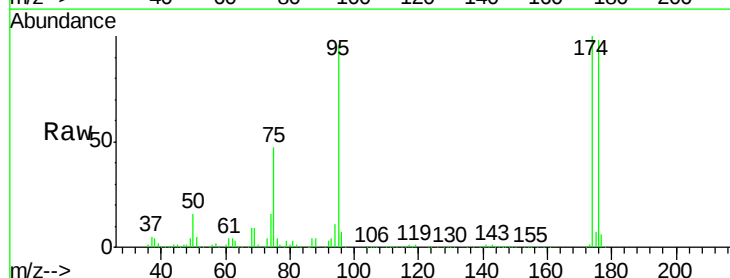
Acq: 14 Apr 2018 17:35

Tgt Ion: 75 Resp: 84888

Ion Ratio Lower Upper

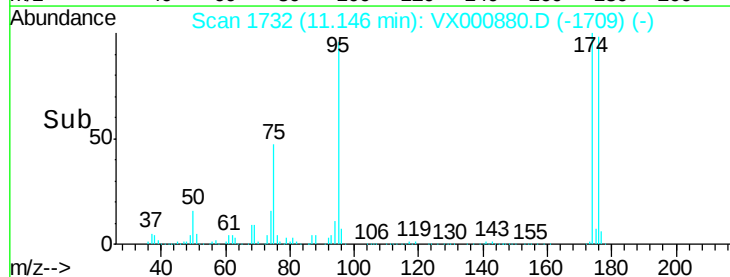
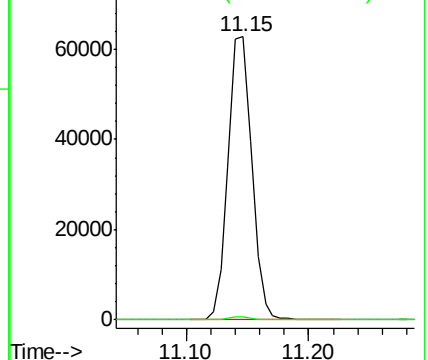
75 100

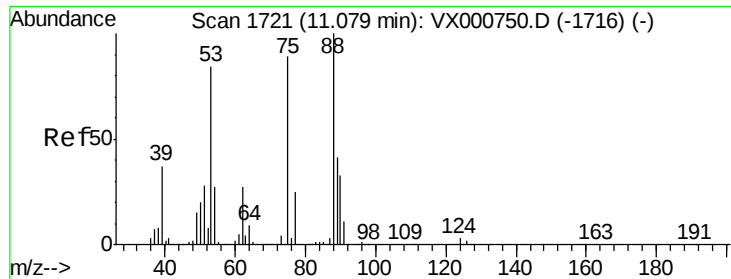
77 1.1 20.5 61.5#



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: 69.93 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.07 min

Lab File: VX000880.D

Acq: 14 Apr 2018 17:35

Instrument :

MSVOA_X

ClientSampleId :

155

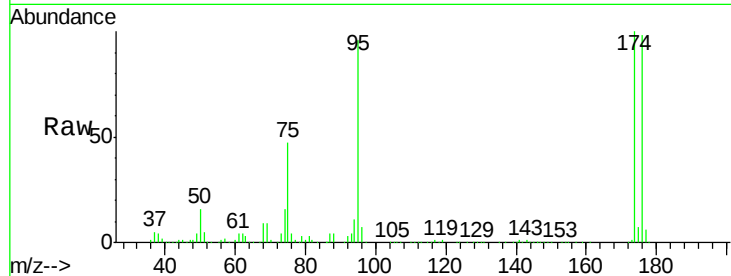
Tgt Ion: 75 Resp: 84888

Ion Ratio Lower Upper

75 100

53 0.0 75.4 113.0#

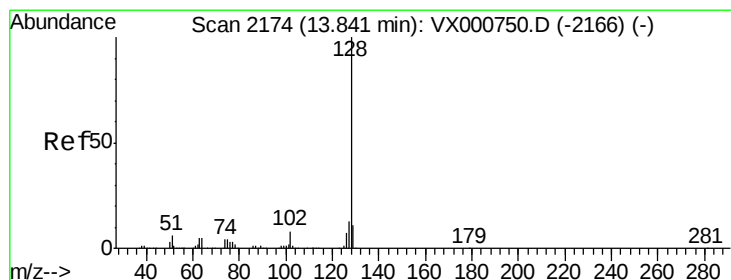
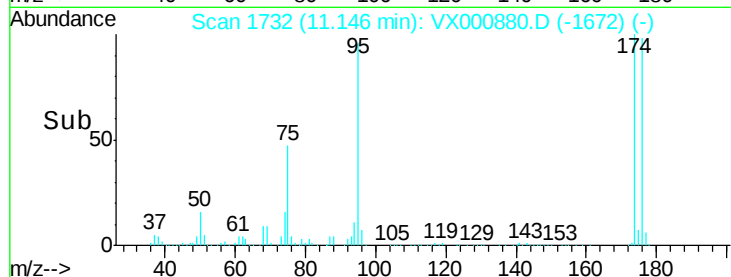
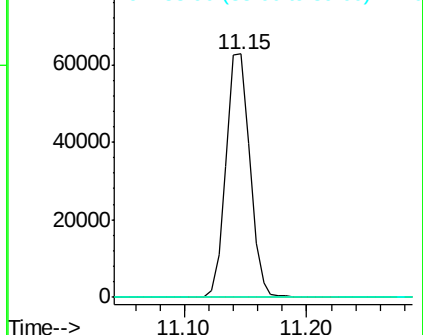
89 0.0 40.9 61.3#



Abundance Ion 74.90 (74.60 to 75.60): VX000880.D (-1672) (-)

Ion 53.00 (52.70 to 53.70): VX000880.D (-1672) (-)

Ion 88.90 (88.60 to 89.60): VX000880.D (-1672) (-)



#95

Naphthalene

Concen: 5.18 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX000880.D

Acq: 14 Apr 2018 17:35

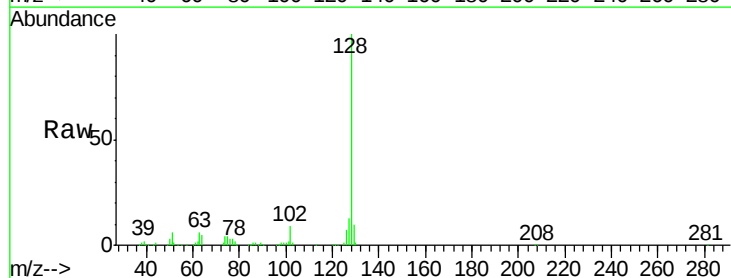
Tgt Ion: 128 Resp: 72966

Ion Ratio Lower Upper

128 100

127 13.0 10.4 15.6

129 10.6 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): VX000880.D (-2125) (-)

Ion 127.00 (126.70 to 127.70): VX000880.D (-2125) (-)

Ion 129.00 (128.70 to 129.70): VX000880.D (-2125) (-)

