

Data File : VX001672.D
Acq On : 12 May 2018 17:36
Operator : JC/MD
Sample : J2741-10DL 5X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
SS037MW302-180502DL

Quant Time: May 14 06:02:00 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050518W.M
Quant Title : SW846 8260
QLast Update : Sun May 06 07:59:25 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	264078	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	355108	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	317537	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	170626	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	210536	55.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.94%	
35) Dibromofluoromethane	5.51	113	168799	53.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.88%	
50) Toluene-d8	8.72	98	592429	51.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.76%	
62) 4-Bromofluorobenzene	11.14	95	192608	43.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.04%	

Target Compounds			Qvalue			
5) Bromomethane	1.62	94	90	Below Cal	#	3
6) Chloroethane	1.71	64	535	0.22	ug/l #	43
11) Tert butyl alcohol	3.02	59	2157	2.70	ug/l #	80
13) Acrolein	2.31	56	51	Below Cal	#	1
16) Acetone	2.45	43	1072	0.62	ug/l	97
20) Methylene Chloride	2.86	84	862	0.25	ug/l #	83
21) trans-1,2-Dichloroethene	3.16	96	708	0.22	ug/l #	70
27) cis-1,2-Dichloroethene	4.60	96	32510	9.36	ug/l	86
31) Cyclohexane	5.67	56	4540	0.93	ug/l #	31
36) 1,1-Dichloropropene	5.67	75	16511	3.66	ug/l #	49
38) Carbon Tetrachloride	5.67	117	22965	4.77	ug/l #	17
44) Trichloroethene	7.22	130	12865	3.19	ug/l	100
55) 1,1,2-Trichloroethane	9.34	97	942	0.27	ug/l #	1
60) Dibromochloromethane	9.34	129	111613	31.36	ug/l #	11
64) Tetrachloroethene	9.34	164	134072	30.29	ug/l	98
76) 1,2,3-Trichloropropane	11.14	75	94058	27.18	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.14	75	94058	83.52	ug/l #	7

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

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Instrument :

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ClientSampleId :

SS037MW302-180502DL

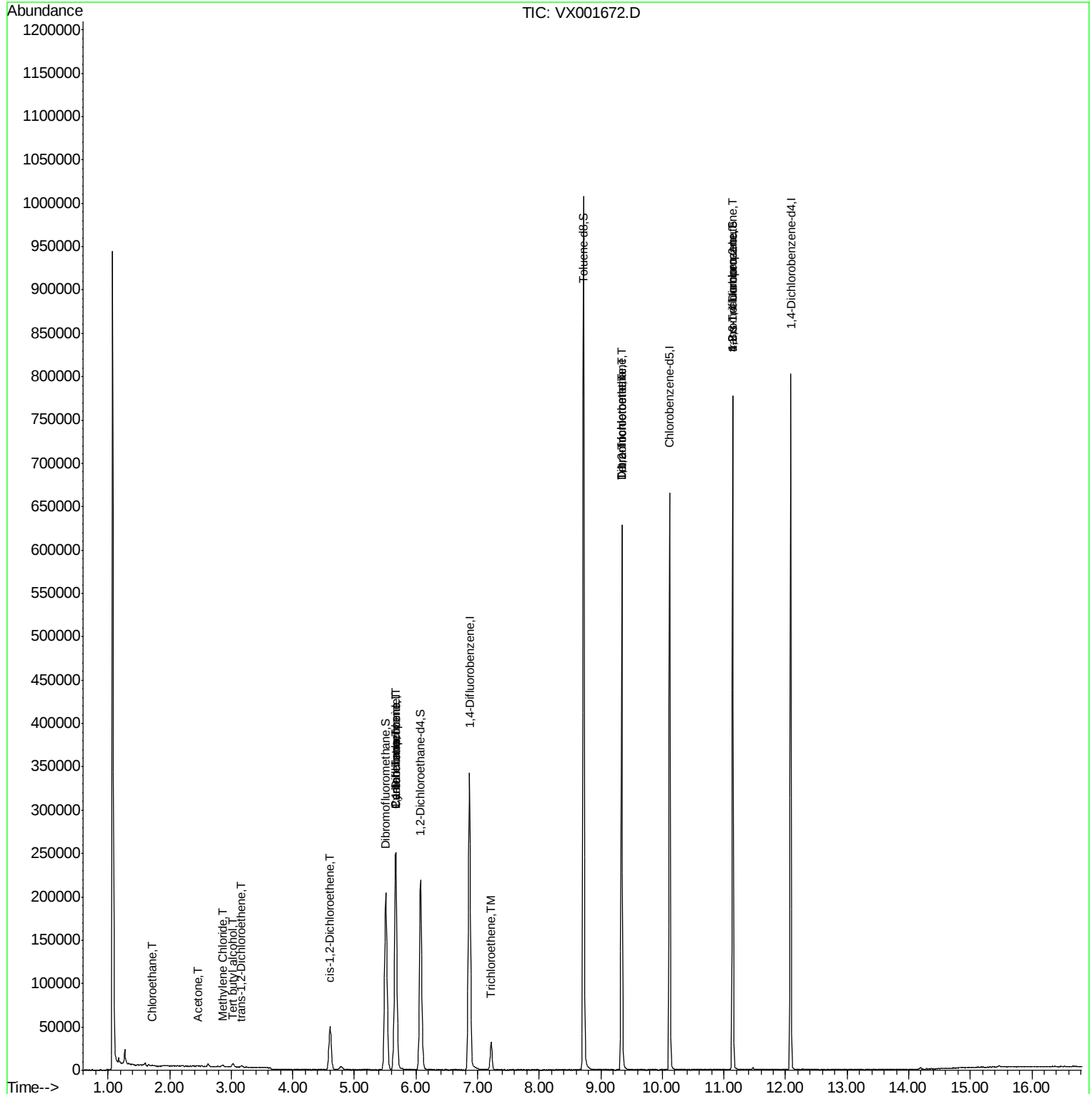
Quant Time: May 14 06:02:00 2018

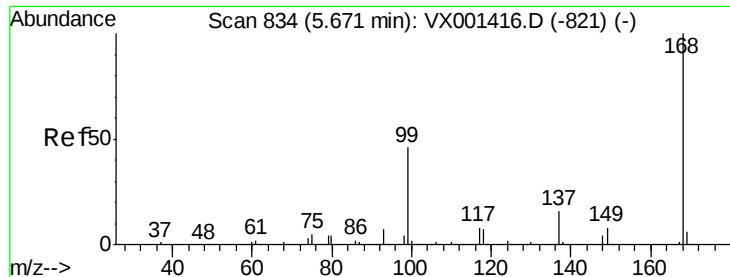
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050518W.M

Quant Title : SW846 8260

QLast Update : Sun May 06 07:59:25 2018

Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX001672.D

Acq: 12 May 2018 17:36

Instrument :

MSVOA_X

ClientSampleId :

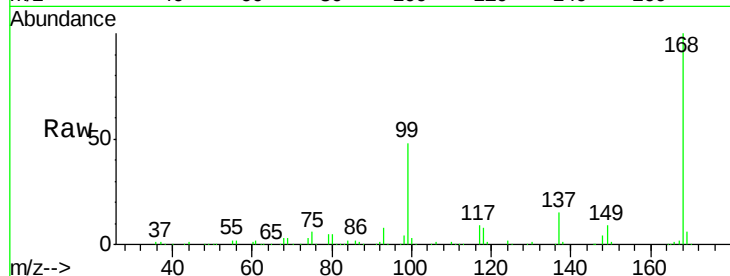
SS037MW302-180502DL

Tgt Ion:168 Resp: 264078

Ion Ratio Lower Upper

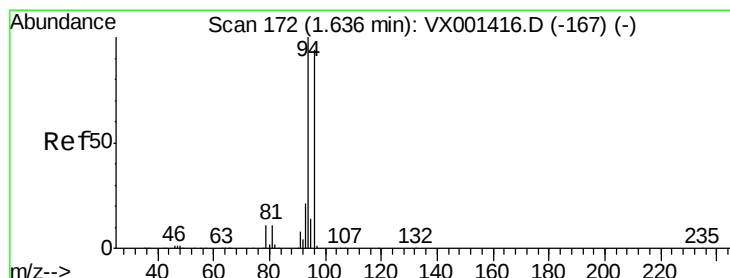
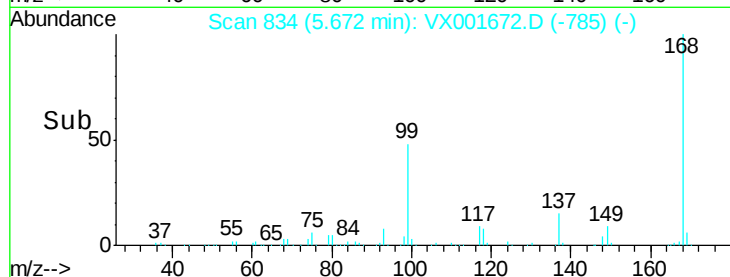
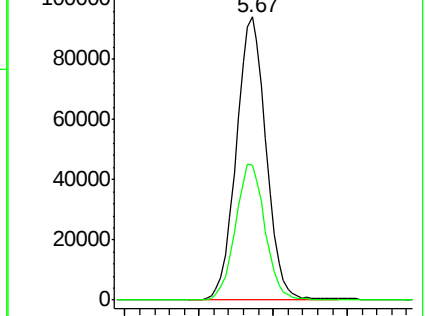
168 100

99 47.8 36.6 54.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: Below Cal

RT: 1.62 min Scan# 169

Delta R.T. -0.02 min

Lab File: VX001672.D

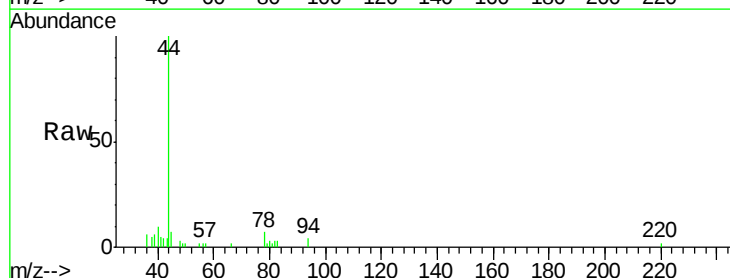
Acq: 12 May 2018 17:36

Tgt Ion: 94 Resp: 90

Ion Ratio Lower Upper

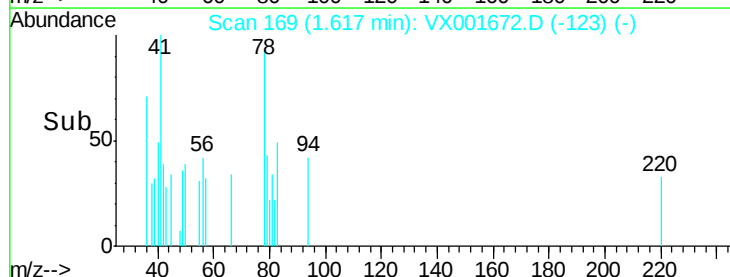
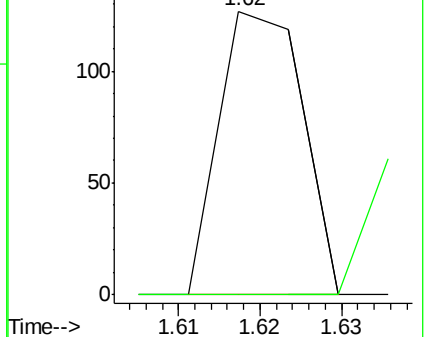
94 100

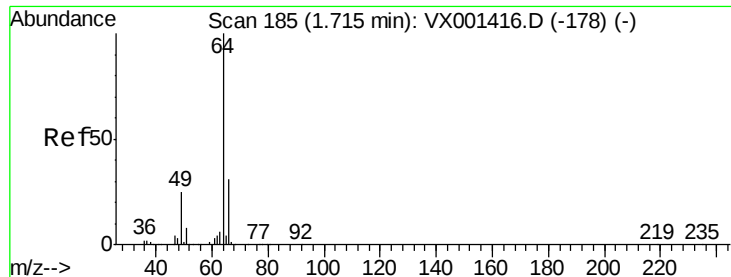
96 0.0 75.0 112.6#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 0.22 ug/l

RT: 1.71 min Scan# 184

Delta R.T. -0.01 min

Lab File: VX001672.D

Acq: 12 May 2018 17:36

Instrument :

MSVOA_X

ClientSampleId :

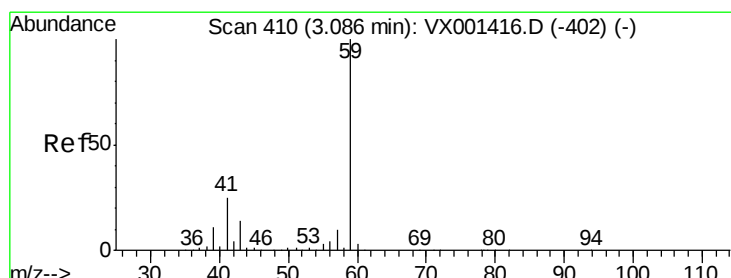
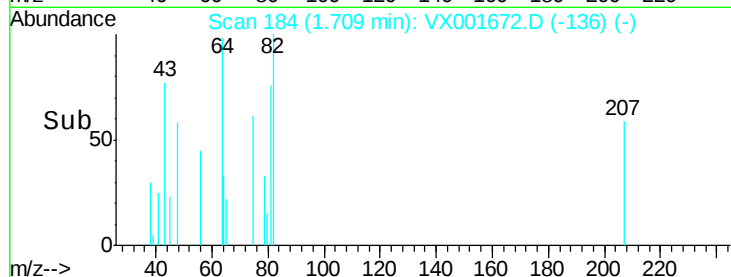
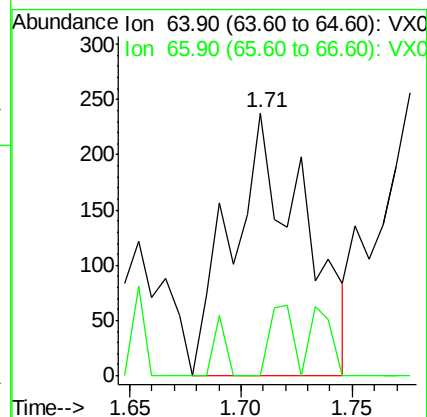
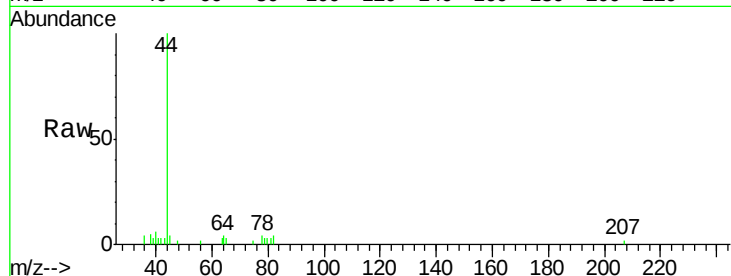
SS037MW302-180502DL

Tgt Ion: 64 Resp: 535

Ion Ratio Lower Upper

64 100

66 0.0 25.1 37.7#



#11

Tert butyl alcohol

Concen: 2.70 ug/l

RT: 3.02 min Scan# 399

Delta R.T. -0.07 min

Lab File: VX001672.D

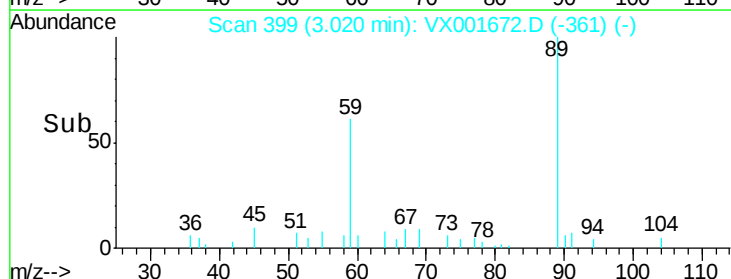
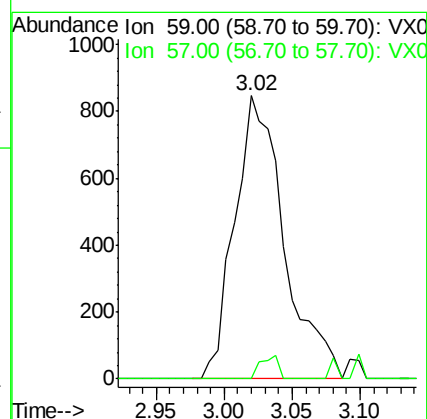
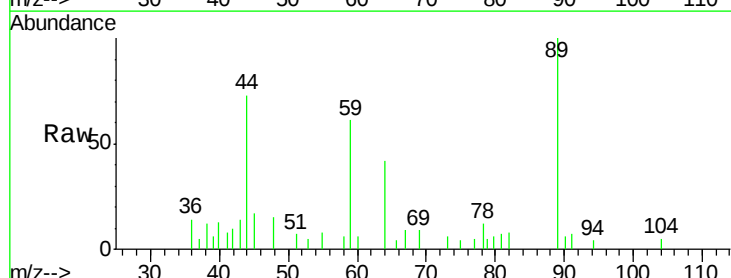
Acq: 12 May 2018 17:36

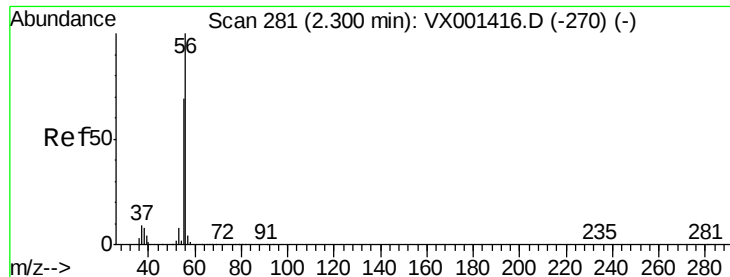
Tgt Ion: 59 Resp: 2157

Ion Ratio Lower Upper

59 100

57 3.0 8.2 12.4#





#13

Acrolein

Concen: Below Cal

RT: 2.31 min Scan# 283

Delta R.T. 0.01 min

Lab File: VX001672.D

Acq: 12 May 2018 17:36

Instrument :

MSVOA_X

ClientSampleId :

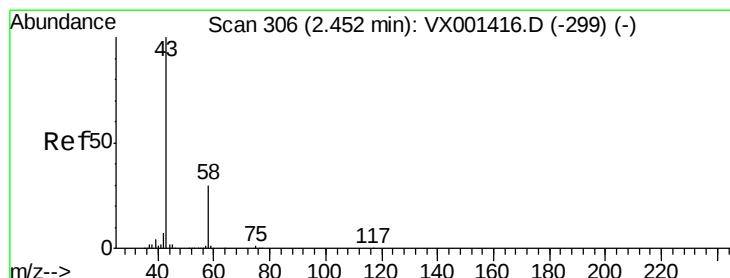
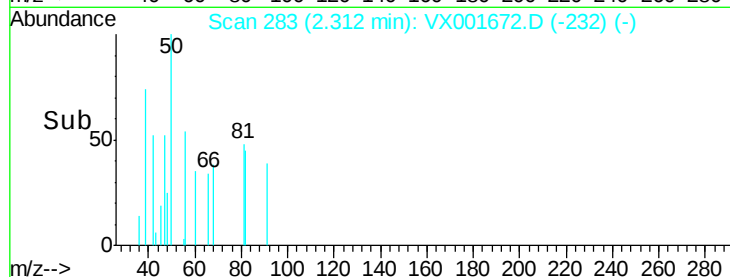
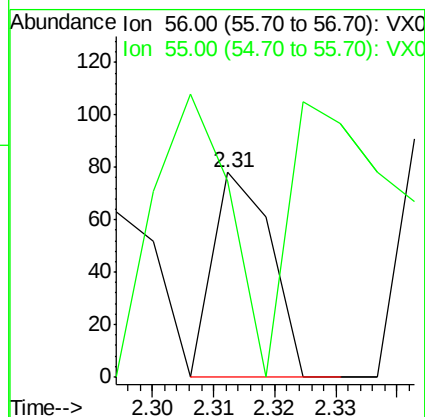
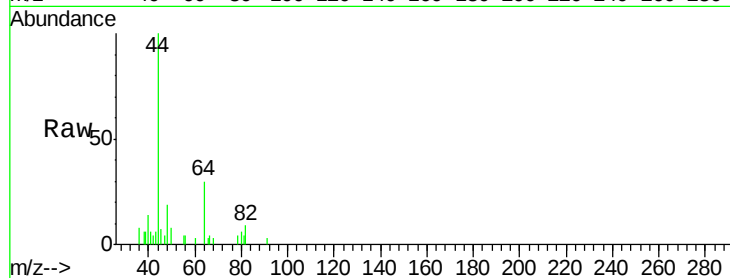
SS037MW302-180502DL

Tgt Ion: 56 Resp: 51

Ion Ratio Lower Upper

56 100

55 182.4 54.5 81.7#



#16

Acetone

Concen: 0.62 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX001672.D

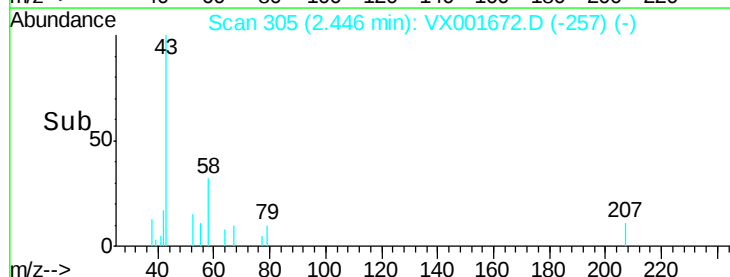
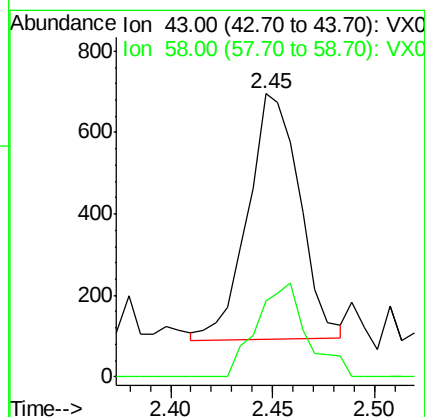
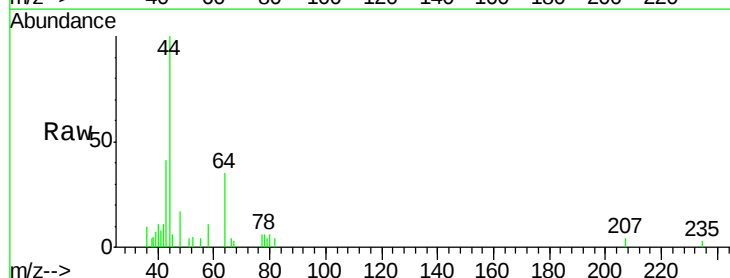
Acq: 12 May 2018 17:36

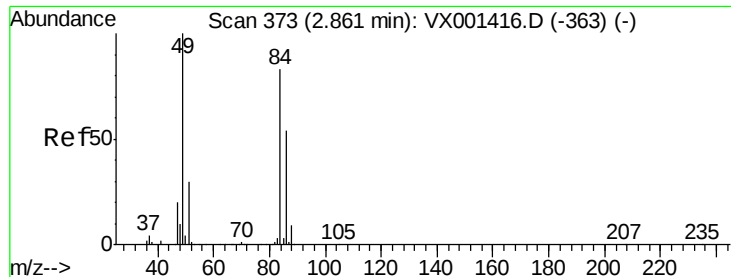
Tgt Ion: 43 Resp: 1072

Ion Ratio Lower Upper

43 100

58 31.6 23.8 35.8





#20

Methylene Chloride

Concen: 0.25 ug/l

RT: 2.86 min Scan# 373

Delta R.T. 0.00 min

Lab File: VX001672.D

Acq: 12 May 2018 17:36

Instrument :

MSVOA_X

ClientSampleId :

SS037MW302-180502DL

Tgt Ion: 84 Resp: 862

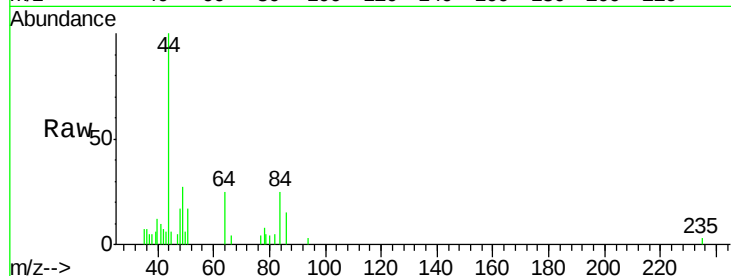
Ion Ratio Lower Upper

84 100

49 106.7 96.6 144.8

51 66.1 29.0 43.4#

86 59.1 52.2 78.4

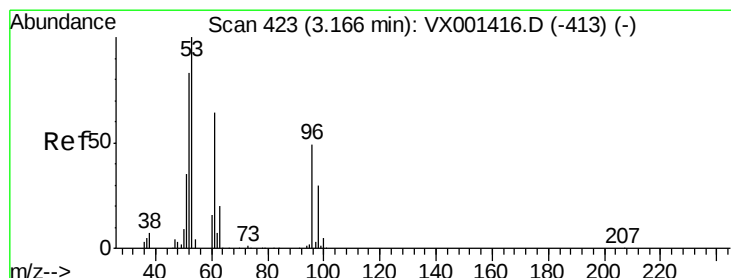
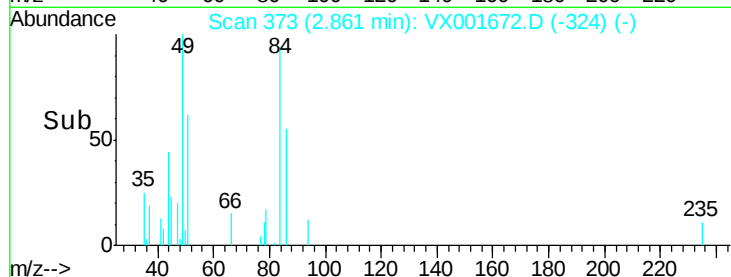
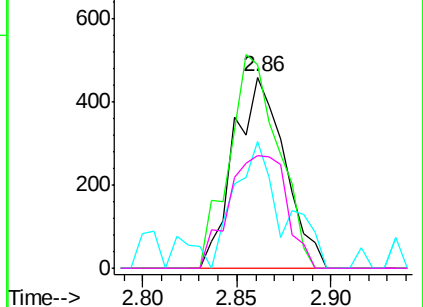


Abundance Ion 83.90 (83.60 to 84.60): VX0

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



#21

trans-1,2-Dichloroethene

Concen: 0.22 ug/l

RT: 3.16 min Scan# 422

Delta R.T. -0.01 min

Lab File: VX001672.D

Acq: 12 May 2018 17:36

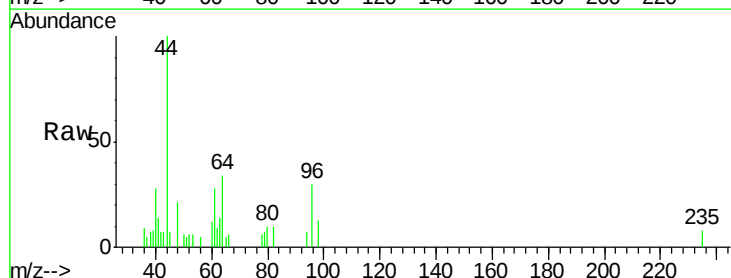
Tgt Ion: 96 Resp: 708

Ion Ratio Lower Upper

96 100

61 92.7 105.0 157.4#

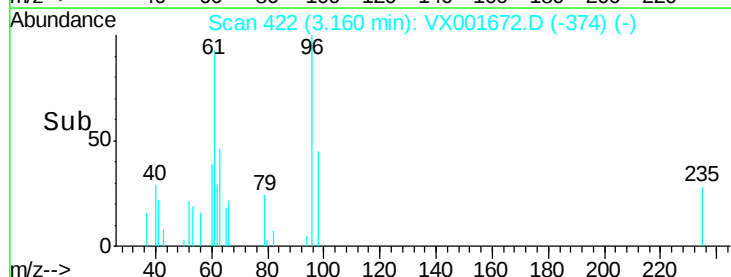
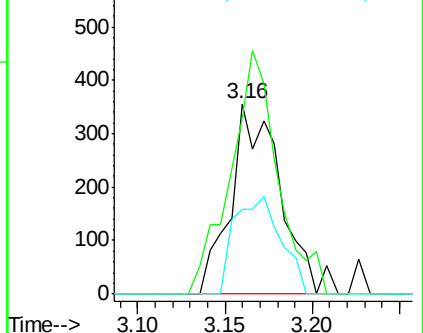
98 44.7 49.9 74.9#

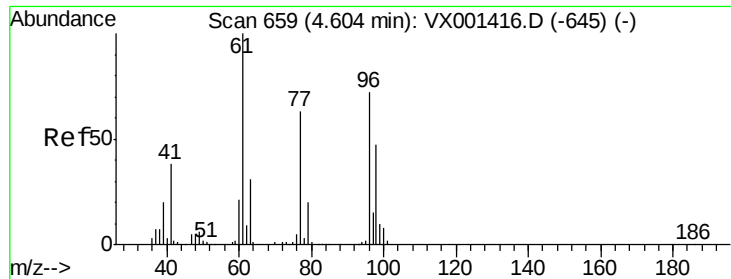


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#27

cis-1,2-Dichloroethene

Concen: 9.36 ug/l

RT: 4.60 min Scan# 659

Delta R.T. 0.00 min

Lab File: VX001672.D

Acq: 12 May 2018 17:36

Instrument :

MSVOA_X

ClientSampleId :

SS037MW302-180502DL

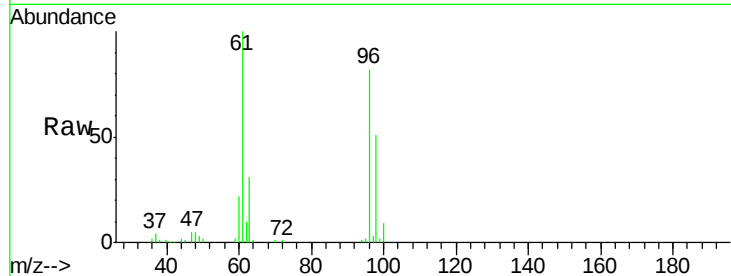
Tgt Ion: 96 Resp: 32510

Ion Ratio Lower Upper

96 100

61 127.2 0.0 301.6

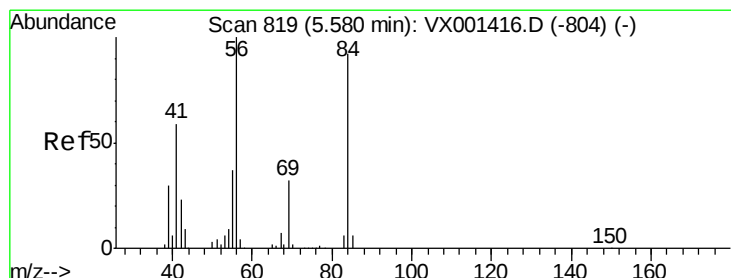
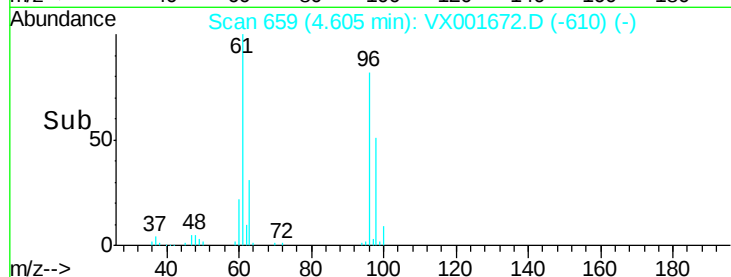
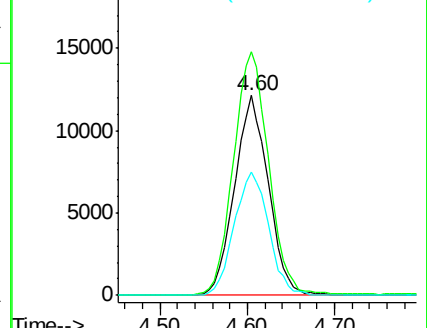
98 62.9 0.0 131.6



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#31

Cyclohexane

Concen: 0.93 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.09 min

Lab File: VX001672.D

Acq: 12 May 2018 17:36

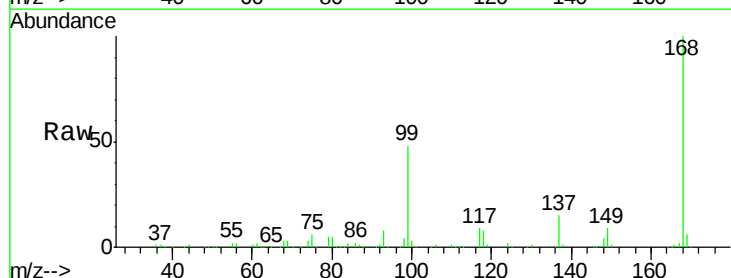
Tgt Ion: 56 Resp: 4540

Ion Ratio Lower Upper

56 100

69 160.6 25.4 38.0#

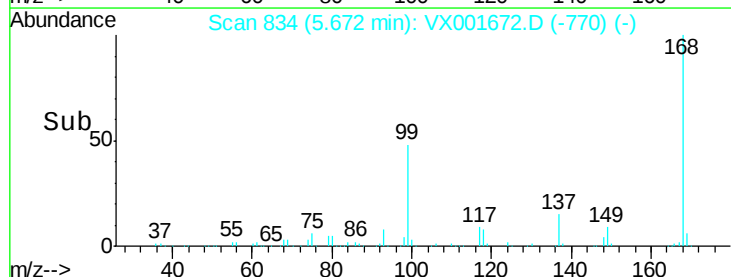
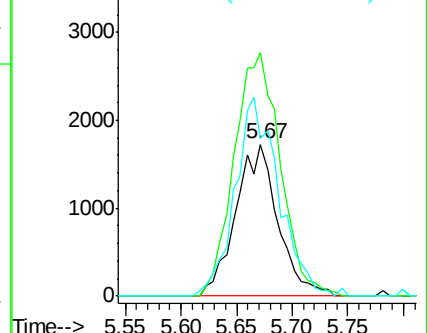
84 104.2 73.8 110.8

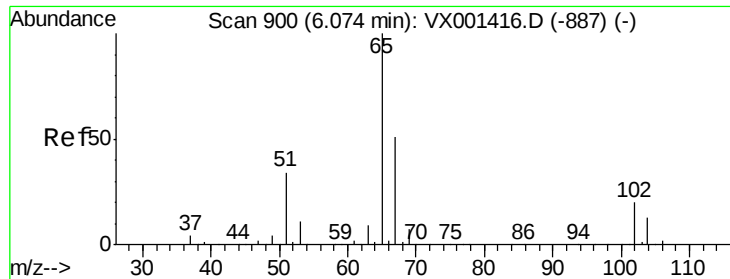


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

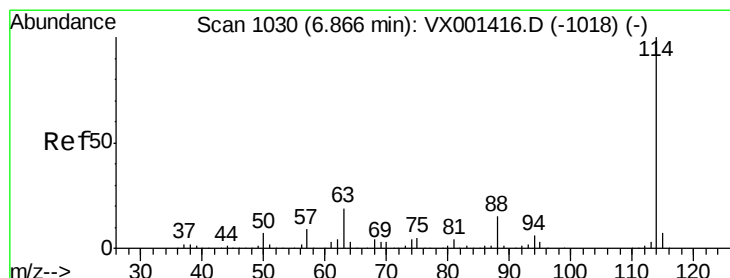
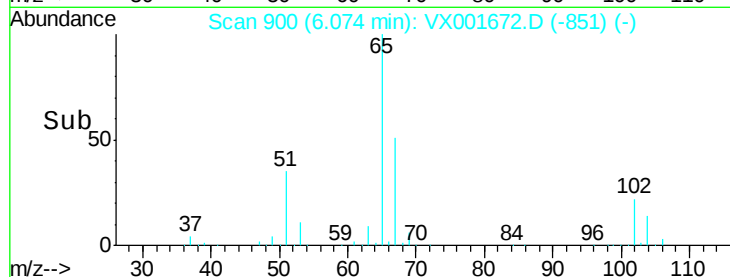
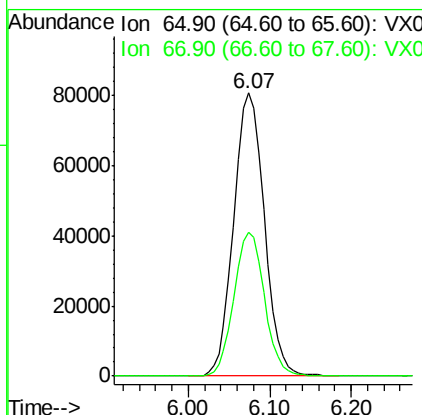
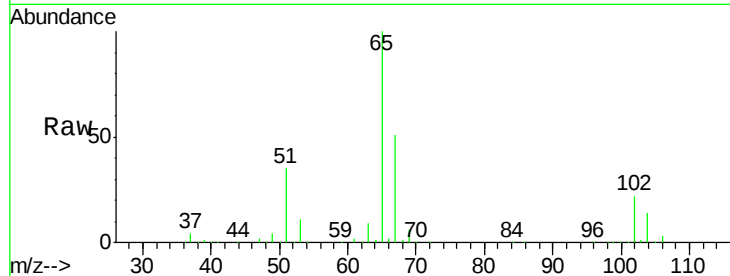




#33
 1,2-Dichloroethane-d4
 Concen: 55.47 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX001672.D
 Acq: 12 May 2018 17:36

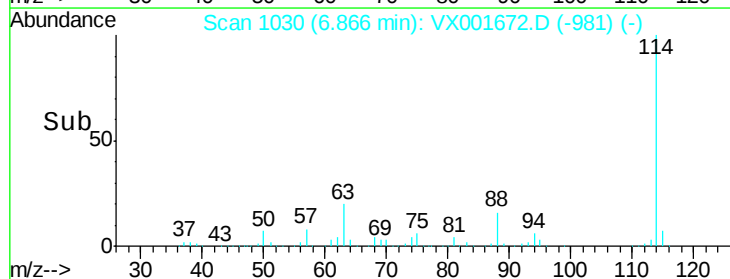
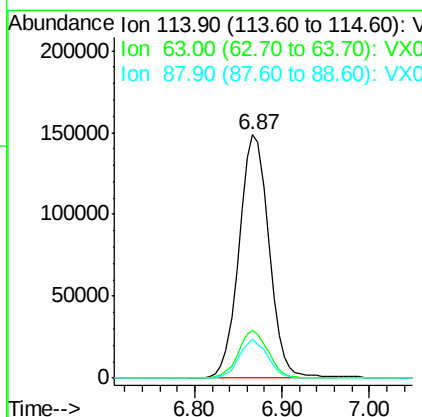
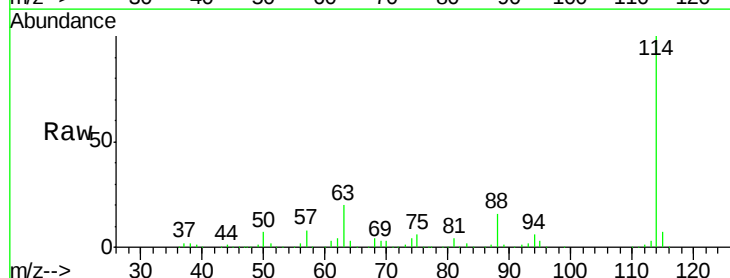
Instrument :
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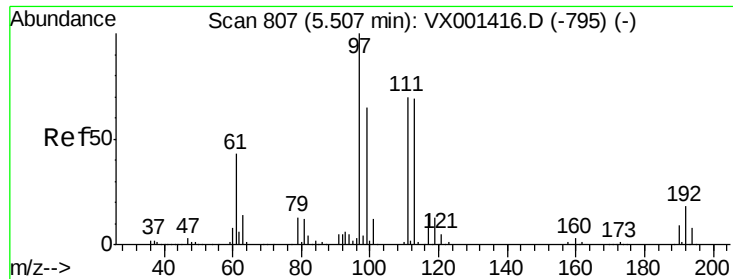
Tgt Ion: 65 Resp: 210536
 Ion Ratio Lower Upper
 65 100
 67 50.5 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX001672.D
 Acq: 12 May 2018 17:36

Tgt Ion: 114 Resp: 355108
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 38.6
 88 15.7 0.0 30.8





#35

Dibromofluoromethane

Concen: 53.44 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.01 min

Lab File: VX001672.D

Acq: 12 May 2018 17:36

Instrument :

MSVOA_X

ClientSampleId :

SS037MW302-180502DL

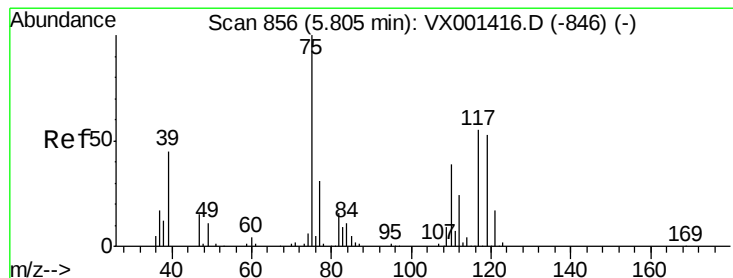
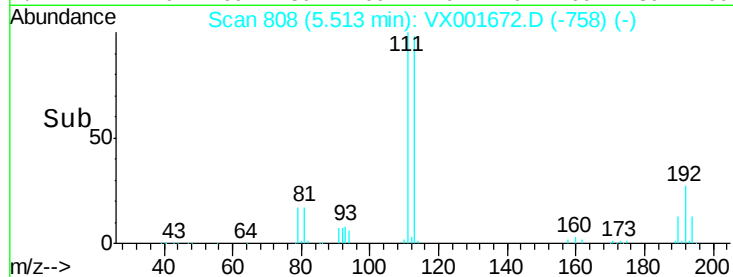
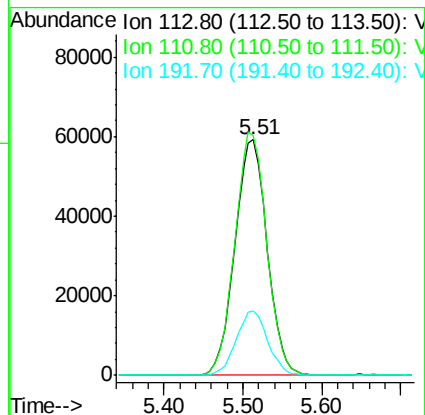
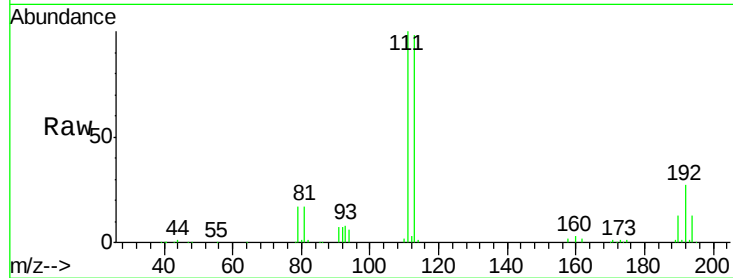
Tgt Ion:113 Resp: 168799

Ion Ratio Lower Upper

113 100

111 102.1 82.2 123.2

192 26.7 21.4 32.0



#36

1,1-Dichloropropene

Concen: 3.66 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.14 min

Lab File: VX001672.D

Acq: 12 May 2018 17:36

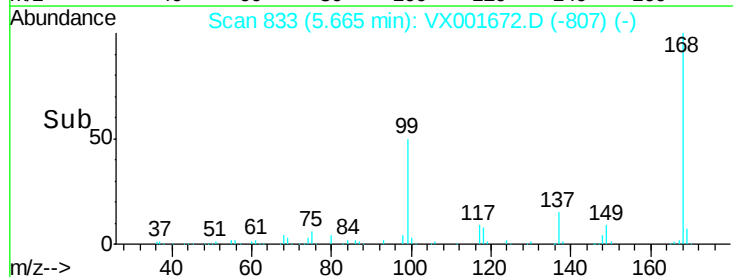
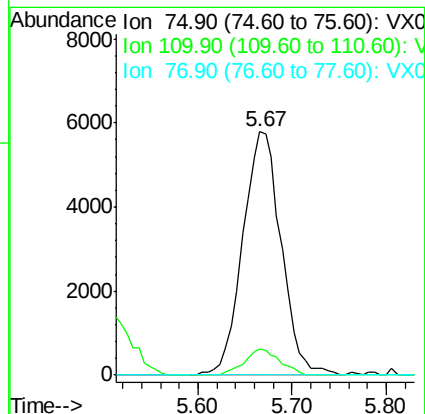
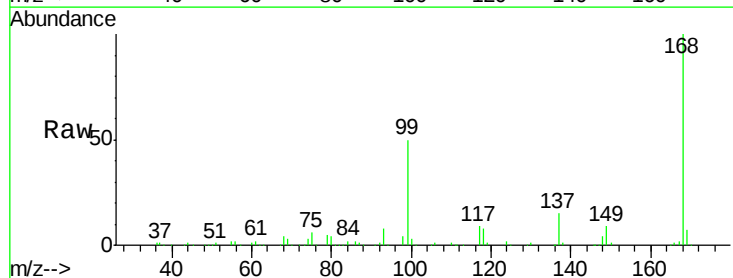
Tgt Ion: 75 Resp: 16511

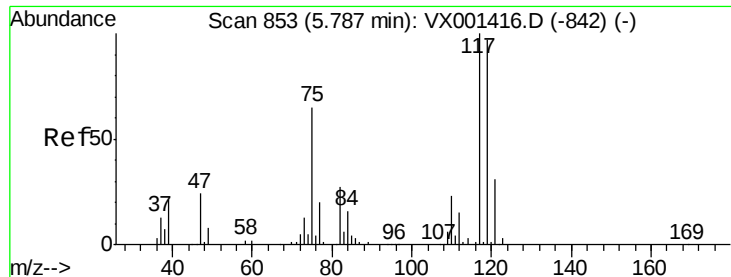
Ion Ratio Lower Upper

75 100

110 9.9 18.9 56.7#

77 0.0 24.9 37.3#





#38

Carbon Tetrachloride

Concen: 4.77 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX001672.D

Acq: 12 May 2018 17:36

Instrument :

MSVOA_X

ClientSampleId :

SS037MW302-180502DL

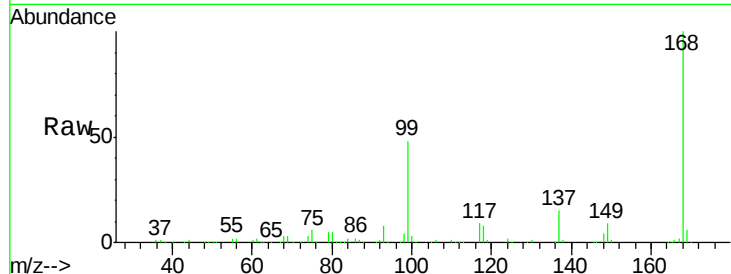
Tgt Ion:117 Resp: 22965

Ion Ratio Lower Upper

117 100

119 6.2 77.0 115.6#

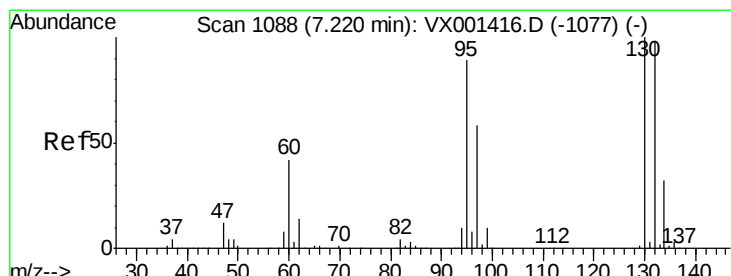
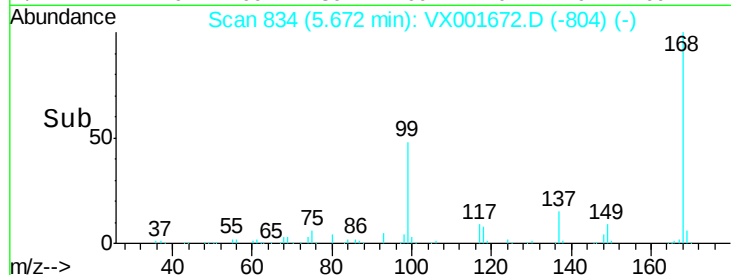
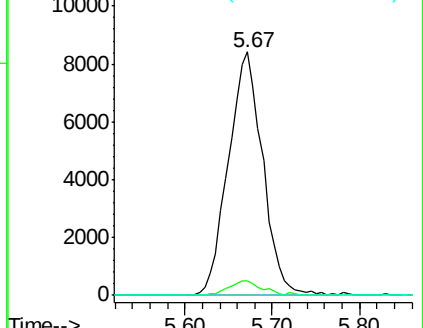
121 0.0 25.1 37.7#



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



#44

Trichloroethene

Concen: 3.19 ug/l

RT: 7.22 min Scan# 1088

Delta R.T. 0.00 min

Lab File: VX001672.D

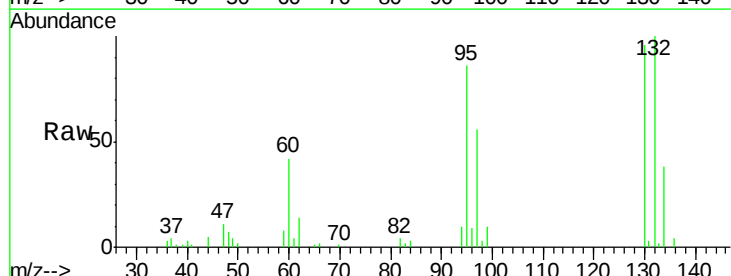
Acq: 12 May 2018 17:36

Tgt Ion:130 Resp: 12865

Ion Ratio Lower Upper

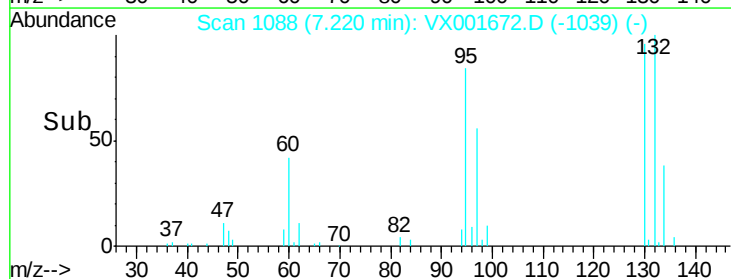
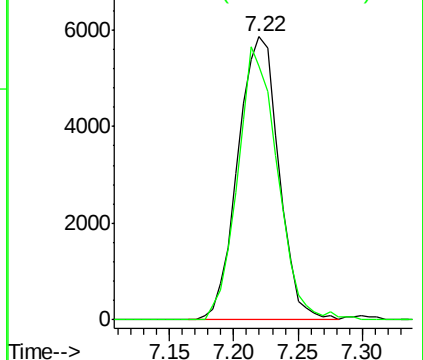
130 100

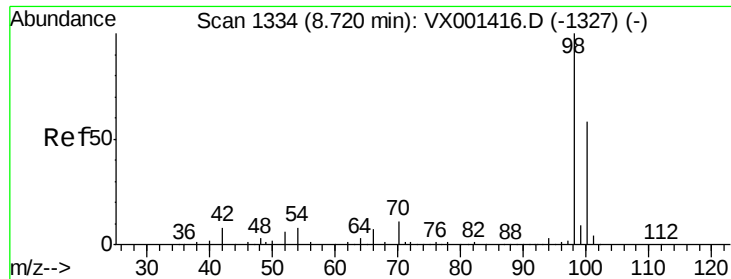
95 89.6 0.0 178.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#50

Toluene-d8

Concen: 51.38 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX001672.D

Acq: 12 May 2018 17:36

Instrument :

MSVOA_X

ClientSampleId :

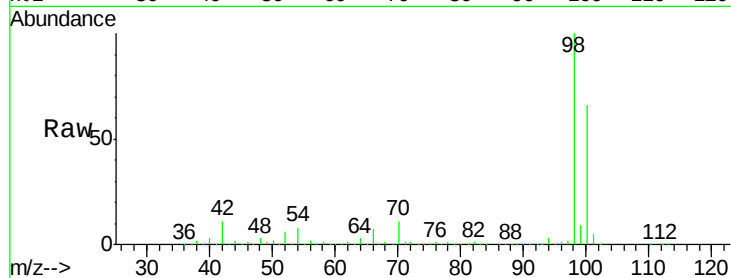
SS037MW302-180502DL

Tgt Ion: 98 Resp: 592429

Ion Ratio Lower Upper

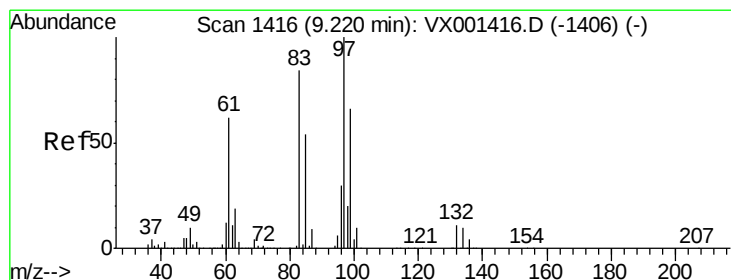
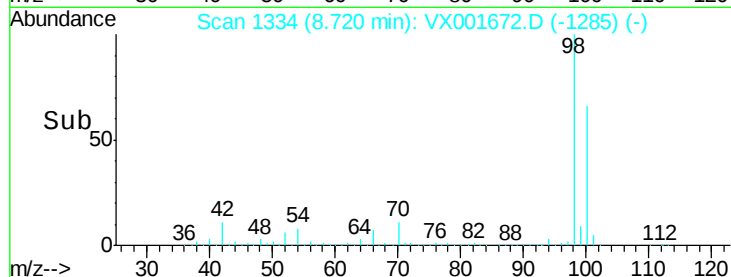
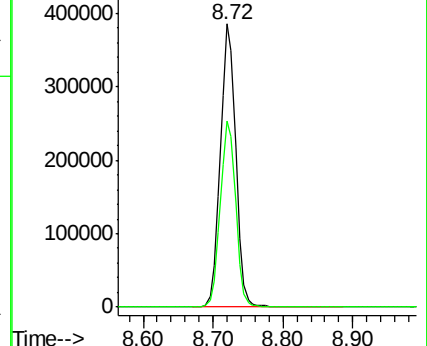
98 100

100 65.8 54.0 81.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



#55

1,1,2-Trichloroethane

Concen: 0.27 ug/l

RT: 9.34 min Scan# 1436

Delta R.T. 0.12 min

Lab File: VX001672.D

Acq: 12 May 2018 17:36

Tgt Ion: 97 Resp: 942

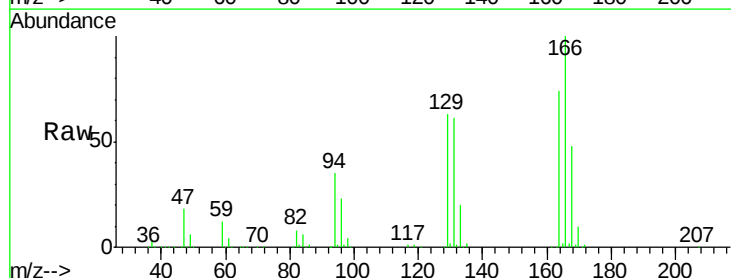
Ion Ratio Lower Upper

97 100

83 251.5 67.4 101.0#

85 35.6 43.3 64.9#

99 15.1 52.5 78.7#

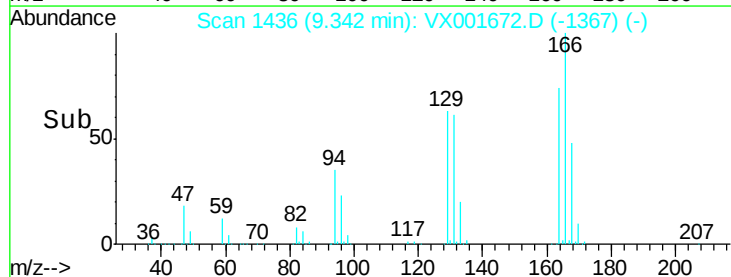
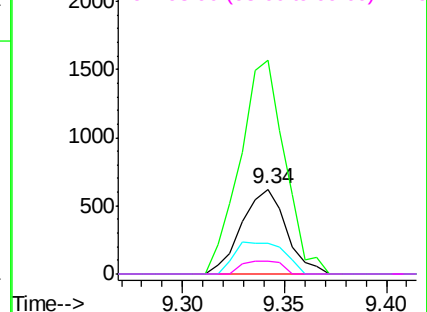


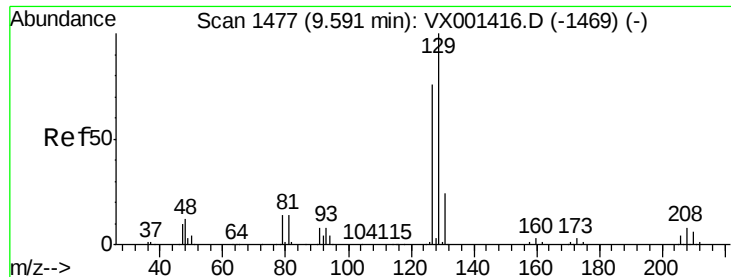
Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0





#60

Dibromochloromethane

Concen: 31.36 ug/l

RT: 9.34 min Scan# 1436

Delta R.T. -0.25 min

Lab File: VX001672.D

Acq: 12 May 2018 17:36

Instrument :

MSVOA_X

ClientSampleId :

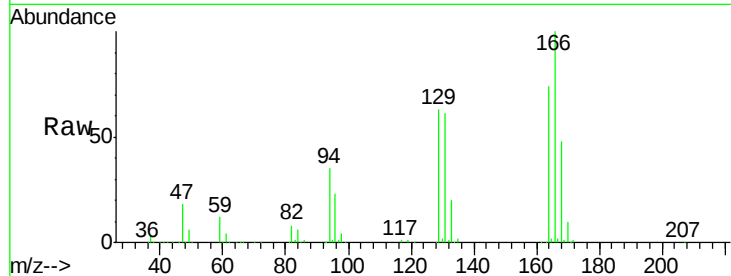
SS037MW302-180502DL

Tgt Ion:129 Resp: 111613

Ion Ratio Lower Upper

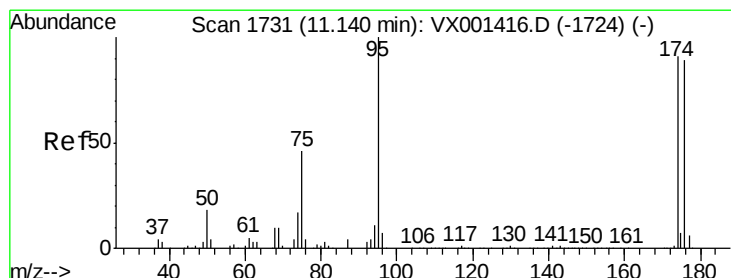
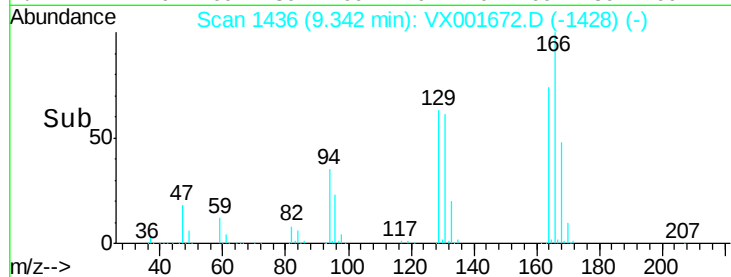
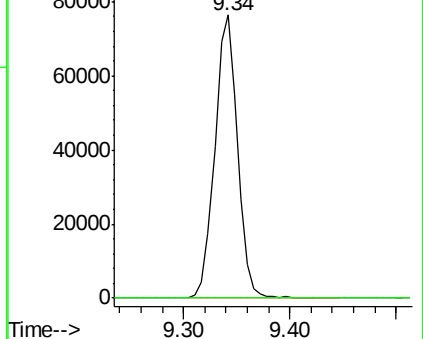
129 100

127 0.0 38.1 114.5#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 43.52 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX001672.D

Acq: 12 May 2018 17:36

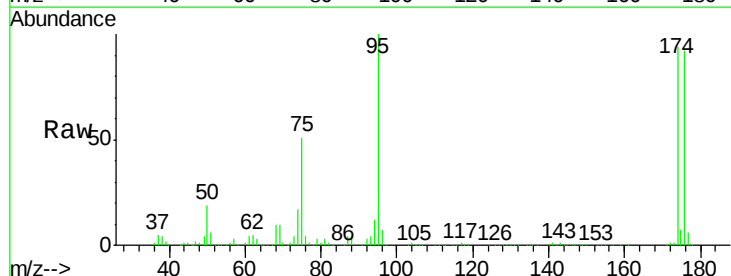
Tgt Ion: 95 Resp: 192608

Ion Ratio Lower Upper

95 100

174 101.8 0.0 202.0

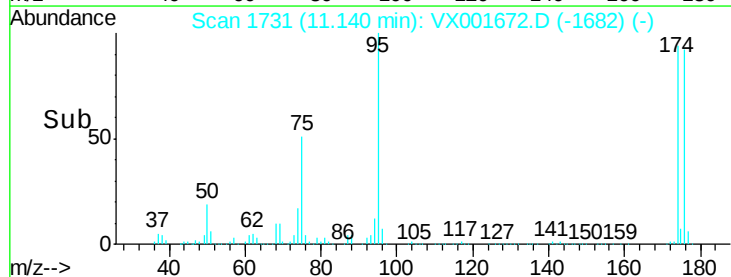
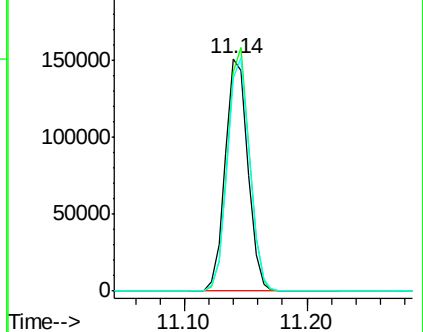
176 98.9 0.0 197.4

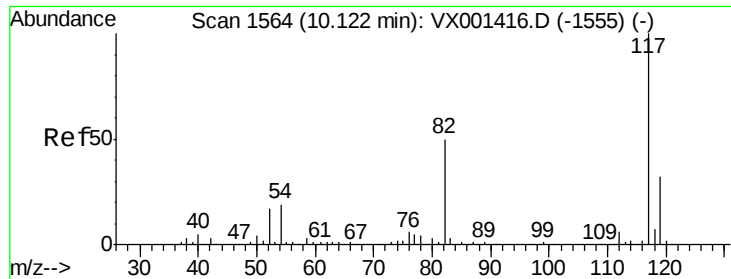


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

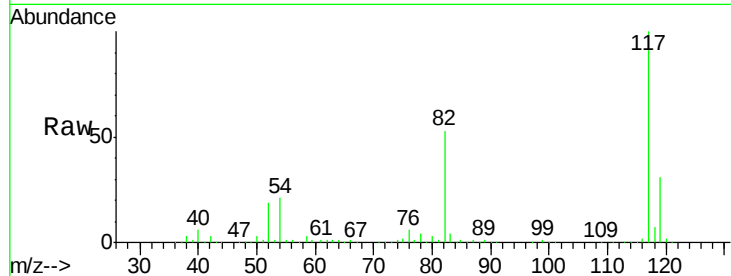




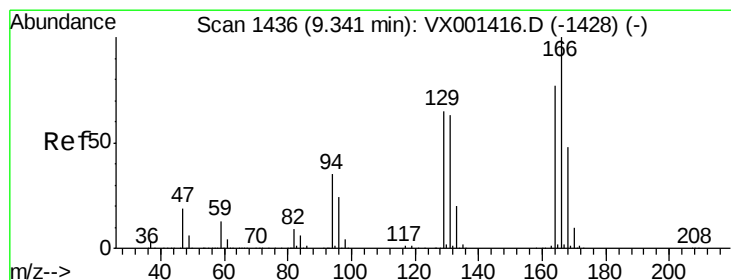
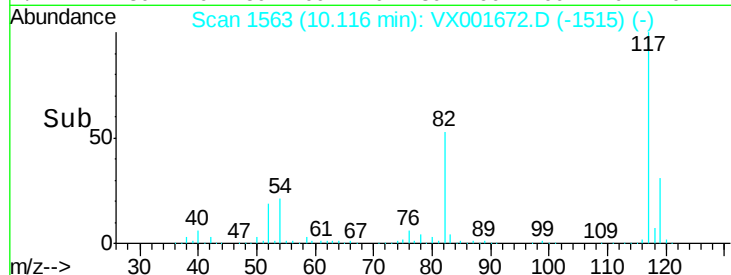
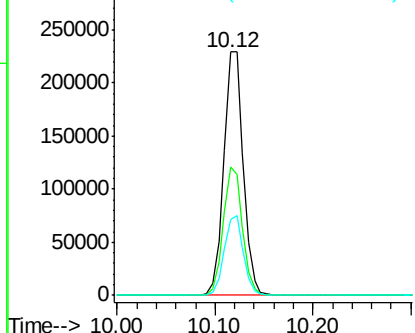
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.01 min
Lab File: VX001672.D
Acq: 12 May 2018 17:36

Instrument :
MSVOA_X
ClientSampleId :
SS037MW302-180502DL

Tgt Ion:117 Resp: 317537
Ion Ratio Lower Upper
117 100
82 52.9 40.0 60.0
119 30.9 25.8 38.8

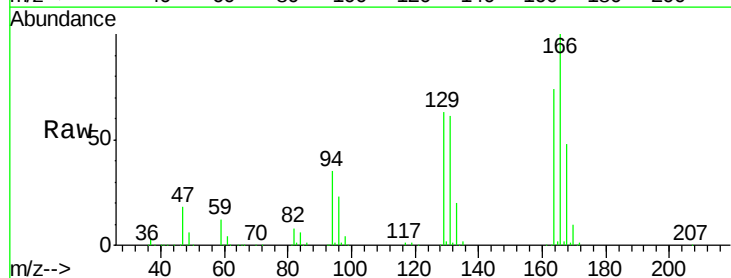


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

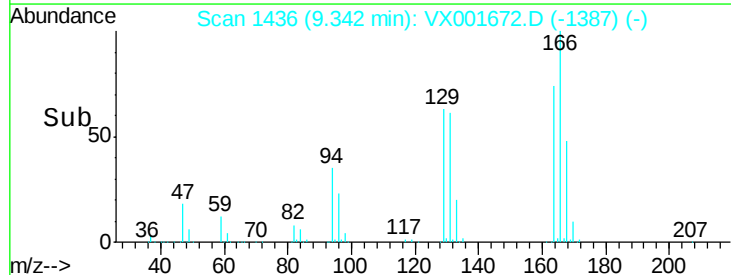
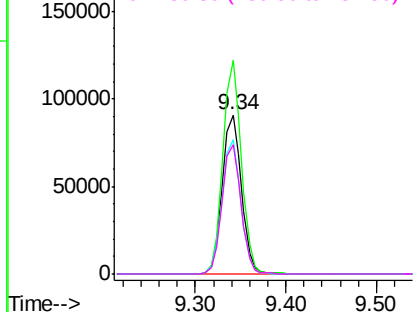


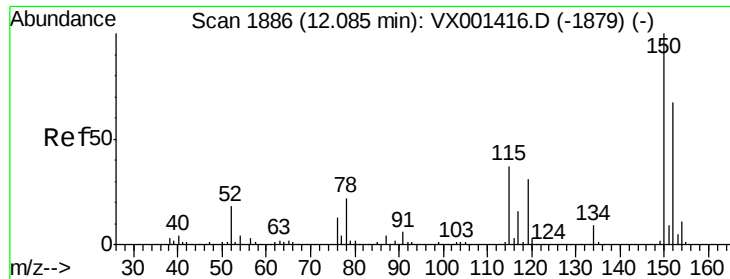
#64
Tetrachloroethene
Concen: 30.29 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.00 min
Lab File: VX001672.D
Acq: 12 May 2018 17:36

Tgt Ion:164 Resp: 134072
Ion Ratio Lower Upper
164 100
166 134.5 103.5 155.3
129 84.3 66.7 100.1
131 81.7 64.9 97.3



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): 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: VX001672.D

Acq: 12 May 2018 17:36

Instrument :

MSVOA_X

ClientSampleId :

SS037MW302-180502DL

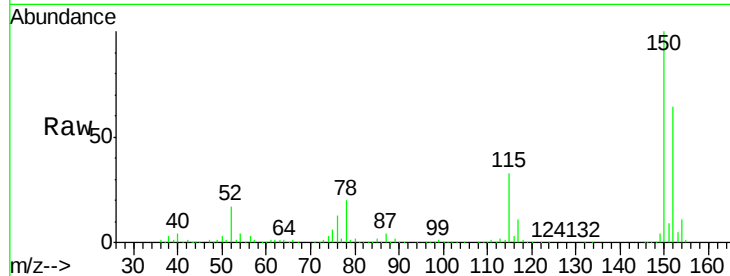
Tgt Ion:152 Resp: 170626

Ion Ratio Lower Upper

152 100

115 52.4 37.7 113.1

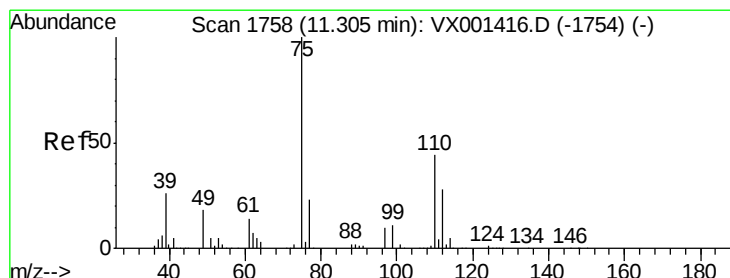
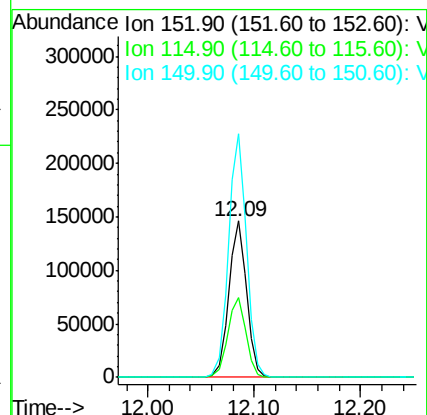
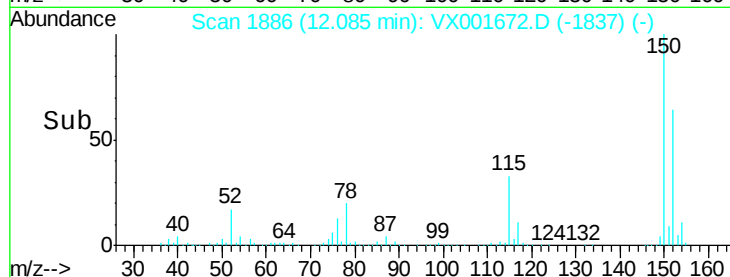
150 157.0 0.0 349.4



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



#76

1,2,3-Trichloropropane

Concen: 27.18 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001672.D

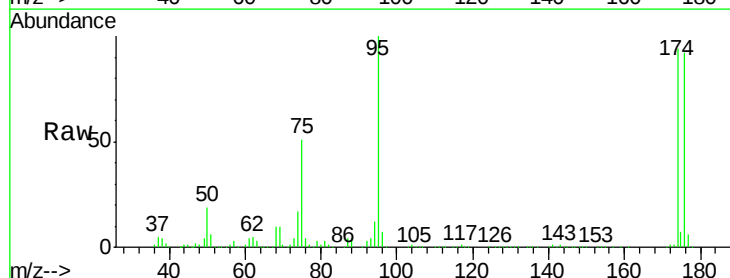
Acq: 12 May 2018 17:36

Tgt Ion: 75 Resp: 94058

Ion Ratio Lower Upper

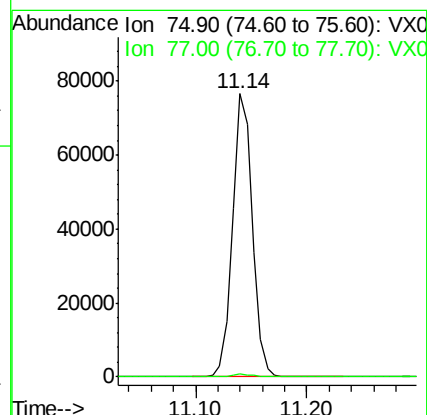
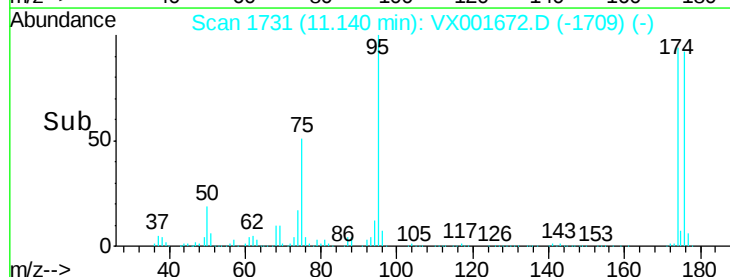
75 100

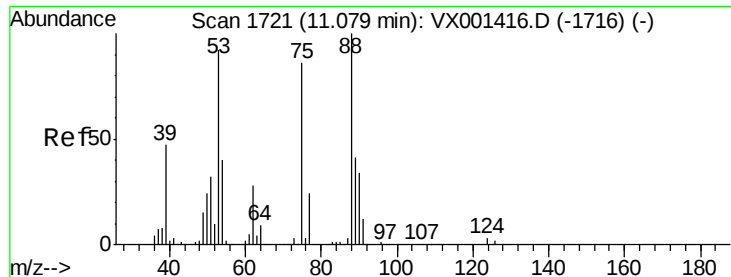
77 1.2 19.6 58.7#



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: 83.52 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX001672.D

Acq: 12 May 2018 17:36

Instrument :

MSVOA_X

ClientSampleId :

SS037MW302-180502DL

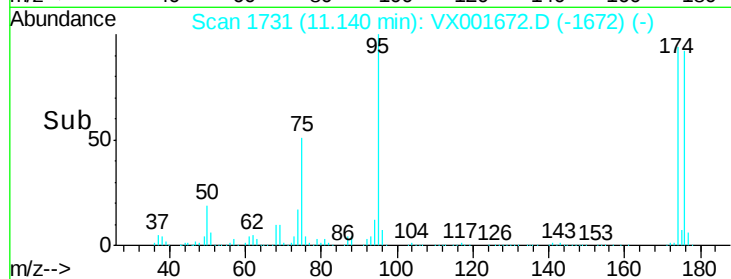
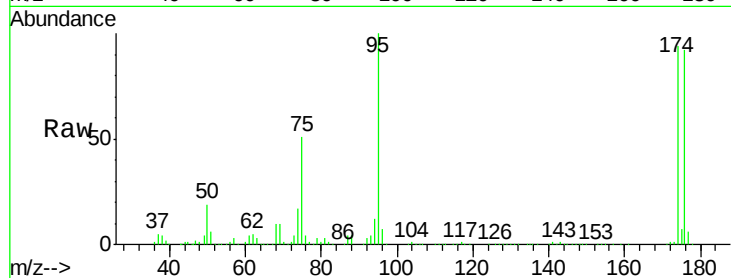
Tgt Ion: 75 Resp: 94058

Ion Ratio Lower Upper

75 100

53 0.1 84.5 126.7#

89 0.0 39.5 59.3#



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

