

Data File : VX001684.D
Acq On : 12 May 2018 23:21
Operator : JC/MD
Sample : PB109200TB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PB109200TB

Quant Time: May 14 06:08:05 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	267656	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	359042	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	302083	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	151064	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	174258	45.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.60%	
35) Dibromofluoromethane	5.51	113	138635	43.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.82%	
50) Toluene-d8	8.72	98	492085	42.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.42%	
62) 4-Bromofluorobenzene	11.14	95	148470	33.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	66.36%	

Target Compounds				Qvalue		
5) Bromomethane	1.66	94	1293	Below Cal		97
10) Methyl Iodide	2.52	142	2843	0.61 ug/l		95
11) Tert butyl alcohol	3.03	59	2552	3.15 ug/l #		72
13) Acrolein	2.31	56	81	Below Cal #		67
15) Acrylonitrile	3.16	53	578	0.32 ug/l		91
16) Acetone	2.45	43	7189	4.12 ug/l		93
18) Methyl Acetate	2.78	43	21560	4.70 ug/l		100
20) Methylene Chloride	2.86	84	3687	1.07 ug/l		94
25) 2-Butanone	4.71	43	2408	0.95 ug/l		92
29) Tetrahydrofuran	5.18	42	583	0.36 ug/l		99
31) Cyclohexane	5.67	56	4802	0.97 ug/l #		8
36) 1,1-Dichloropropene	5.67	75	16574	3.63 ug/l #		49
38) Carbon Tetrachloride	5.67	117	22736	4.67 ug/l #		18
54) cis-1,3-Dichloropropene	9.04	75	264	2.31 ug/l #		79
76) 1,2,3-Trichloropropane	11.14	75	70442	22.99 ug/l #		38
81) trans-1,4-Dichloro-2-buten	11.14	75	70442	71.31 ug/l #		7
93) 1,2,4-Trichlorobenzene	13.65	180	810	0.20 ug/l		92

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

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Instrument :

MSVOA_X

ClientSampleId :

PB109200TB

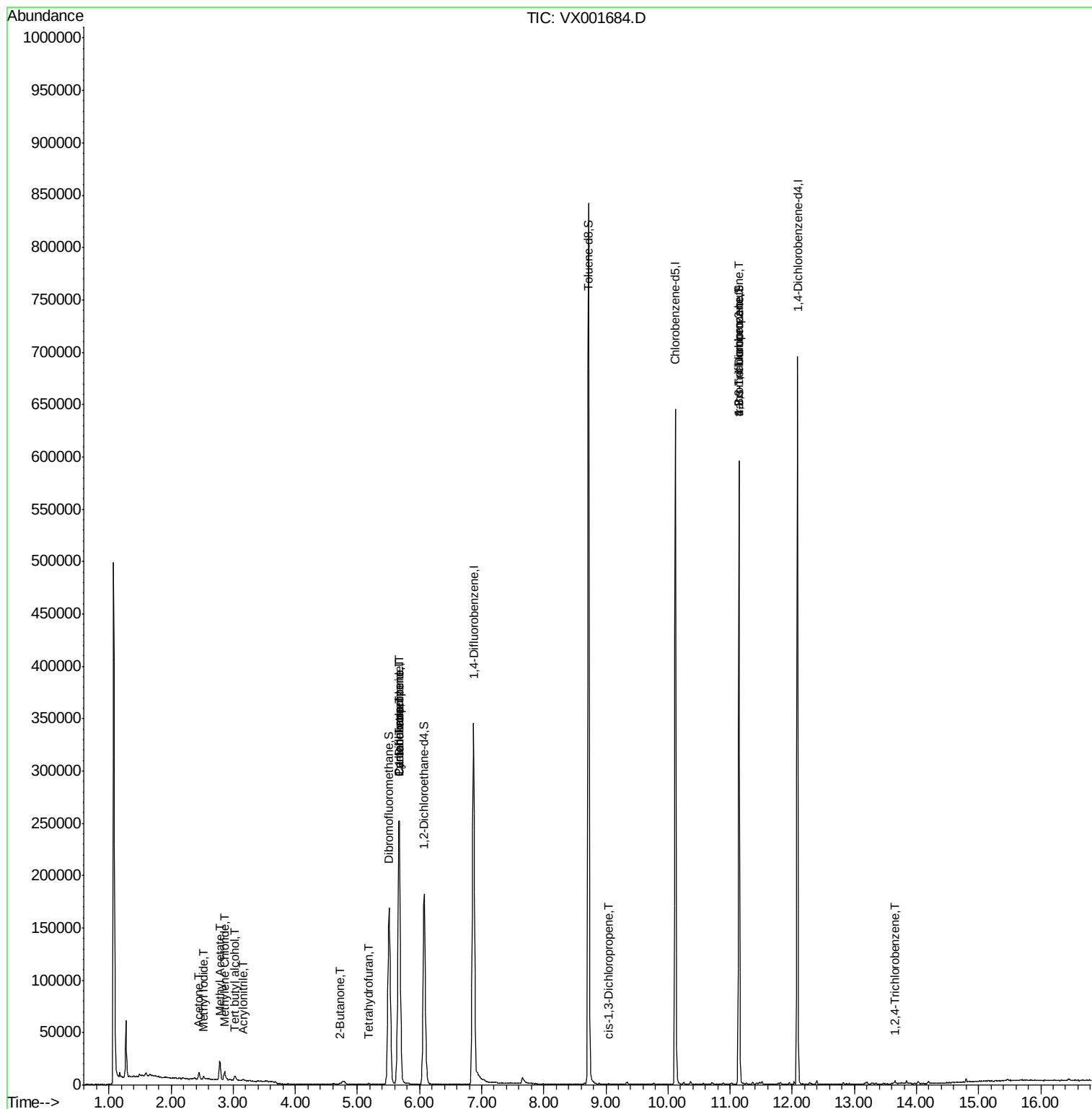
Quant Time: May 14 06:08:05 2018

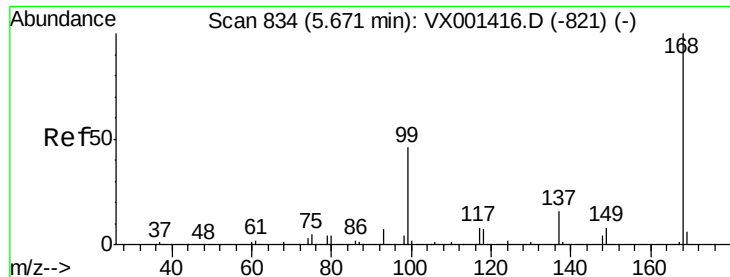
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050518W.M

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: VX001684.D

Acq: 12 May 2018 23:21

Instrument :

MSVOA_X

ClientSampleId :

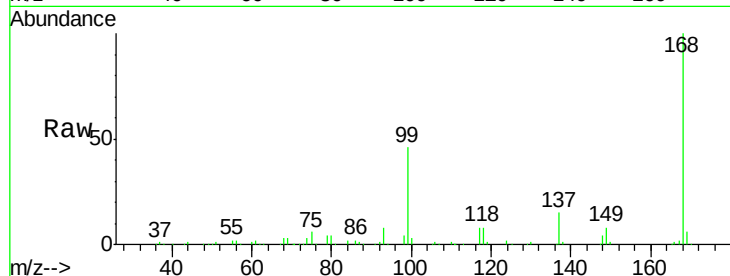
PB109200TB

Tgt Ion:168 Resp: 267656

Ion Ratio Lower Upper

168 100

99 46.0 36.6 54.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

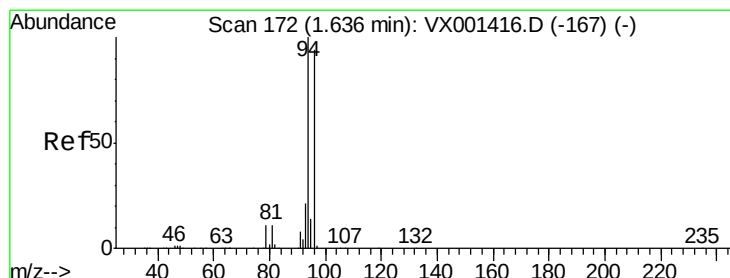
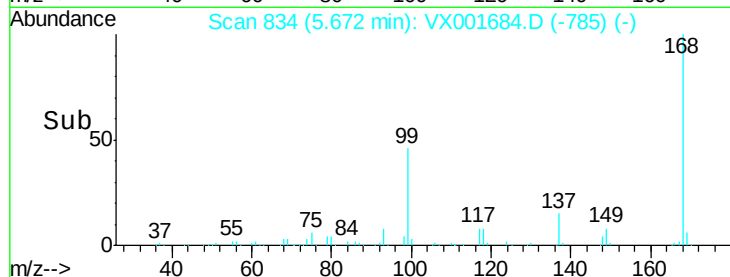
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.66 min Scan# 176

Delta R.T. 0.03 min

Lab File: VX001684.D

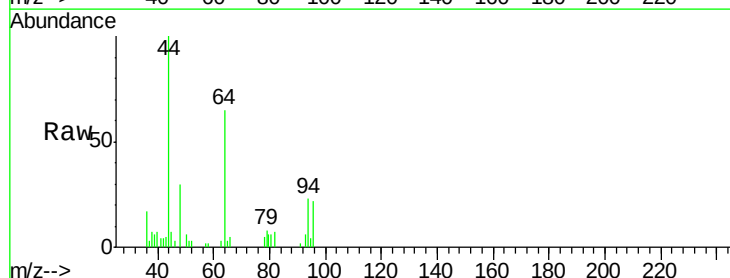
Acq: 12 May 2018 23:21

Tgt Ion: 94 Resp: 1293

Ion Ratio Lower Upper

94 100

96 96.3 75.0 112.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.66

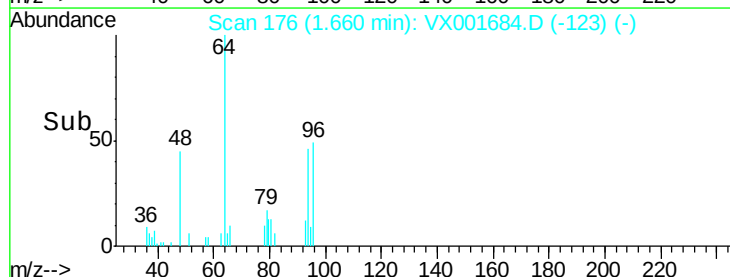
600

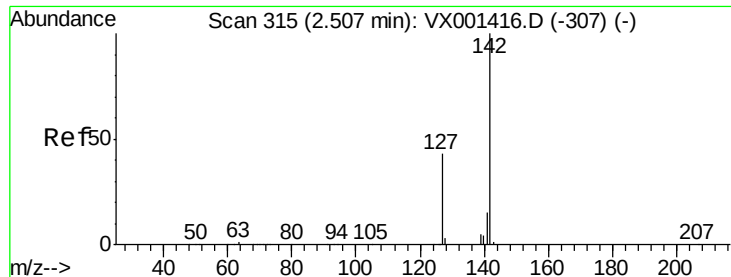
400

200

0

Time--> 1.60 1.65 1.70

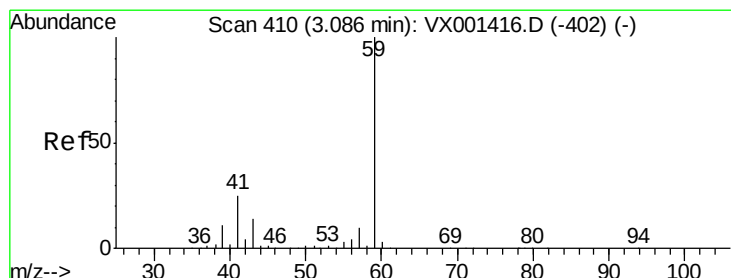
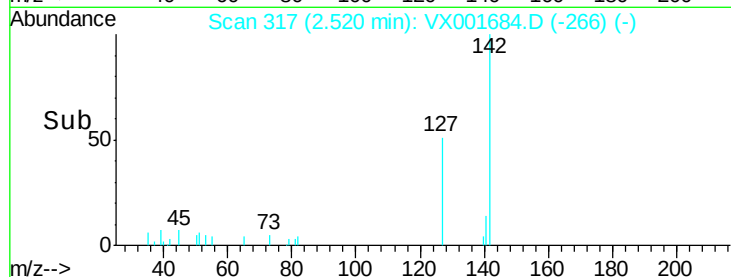
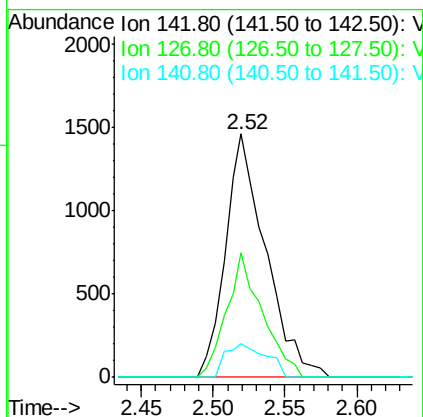
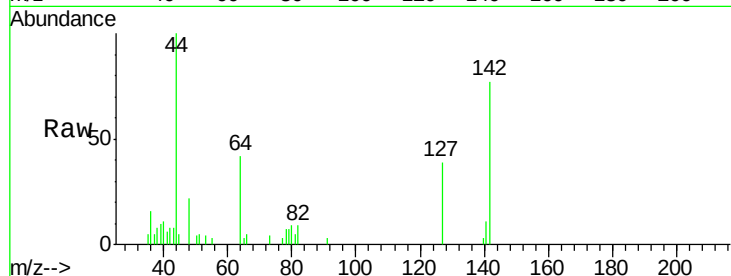




#10
Methyl Iodide
Concen: 0.61 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX001684.D
Acq: 12 May 2018 23:21

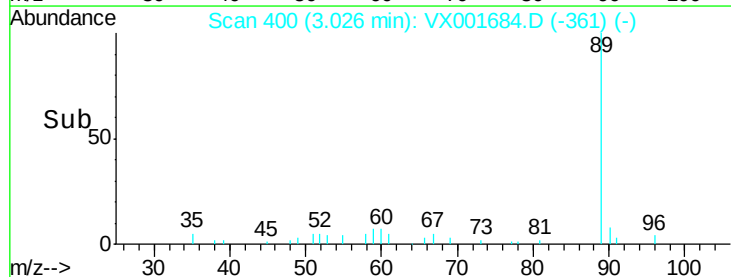
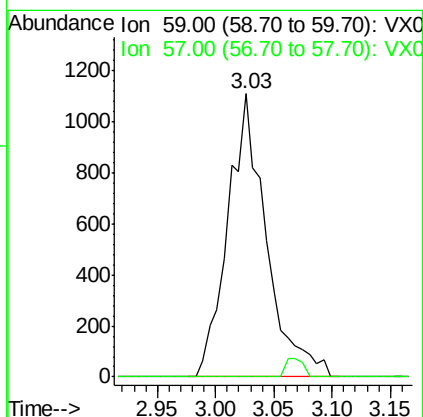
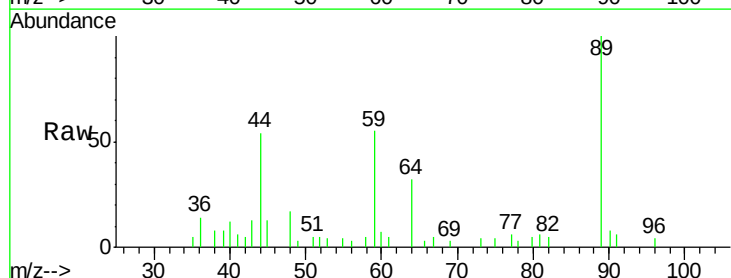
Instrument :
MSVOA_X
ClientSampleId :
PB109200TB

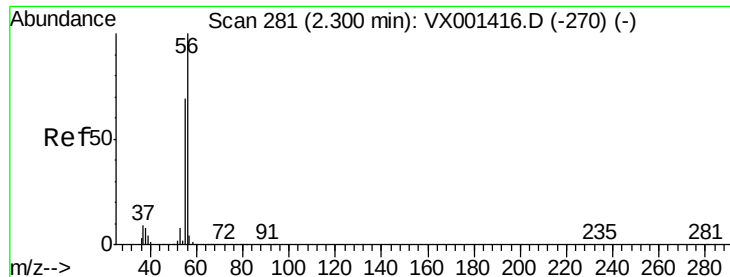
Tgt Ion: 142 Resp: 2843
Ion Ratio Lower Upper
142 100
127 45.7 33.6 50.4
141 13.9 11.4 17.2



#11
Tert butyl alcohol
Concen: 3.15 ug/l
RT: 3.03 min Scan# 400
Delta R.T. -0.06 min
Lab File: VX001684.D
Acq: 12 May 2018 23:21

Tgt Ion: 59 Resp: 2552
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#





#13

Acrolein

Concen: Below Cal

RT: 2.31 min Scan# 282

Delta R.T. 0.01 min

Lab File: VX001684.D

Acq: 12 May 2018 23:21

Instrument :

MSVOA_X

ClientSampled :

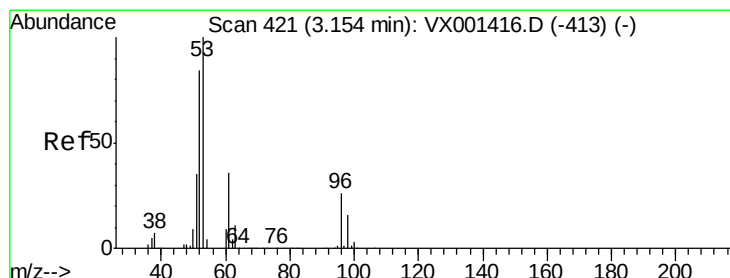
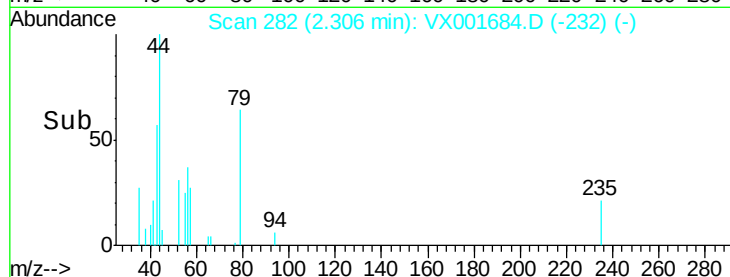
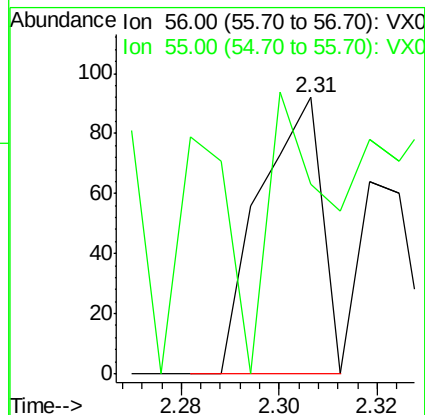
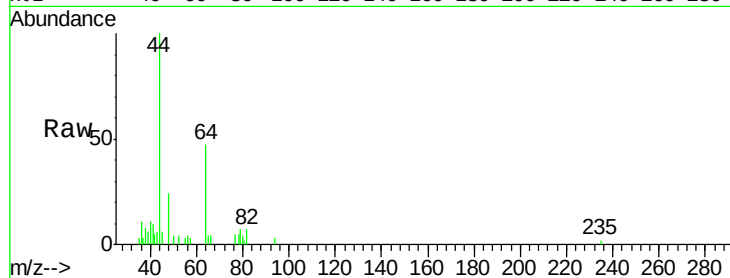
PB109200TB

Tgt Ion: 56 Resp: 81

Ion Ratio Lower Upper

56 100

55 95.1 54.5 81.7#



#15

Acrylonitrile

Concen: 0.32 ug/l

RT: 3.16 min Scan# 422

Delta R.T. 0.01 min

Lab File: VX001684.D

Acq: 12 May 2018 23:21

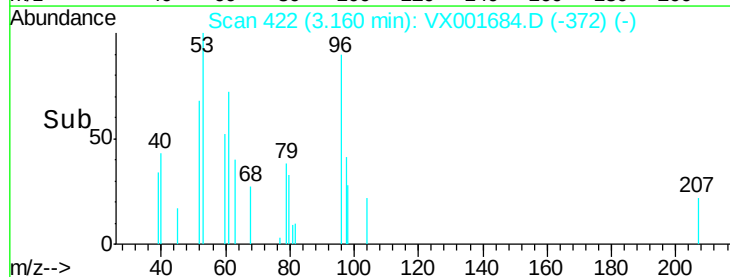
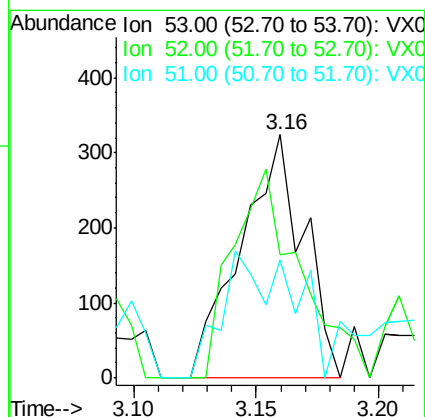
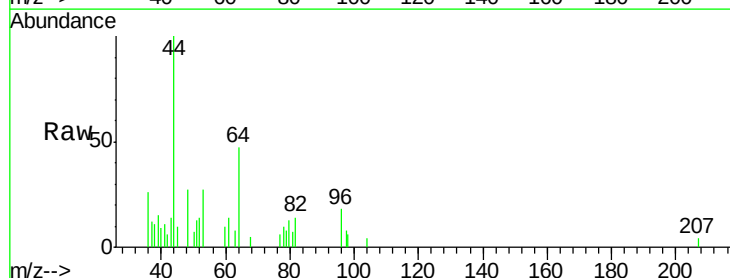
Tgt Ion: 53 Resp: 578

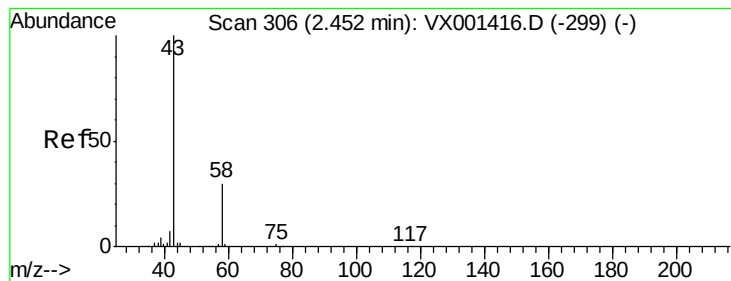
Ion Ratio Lower Upper

53 100

52 92.6 66.2 99.2

51 34.1 28.6 43.0





#16

Acetone

Concen: 4.12 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX001684.D

Acq: 12 May 2018 23:21

Instrument :

MSVOA_X

ClientSampleId :

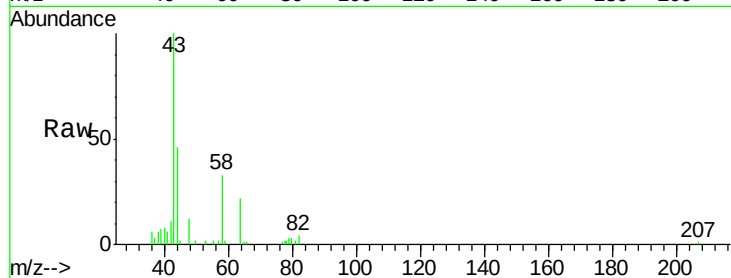
PB109200TB

Tgt Ion: 43 Resp: 7189

Ion Ratio Lower Upper

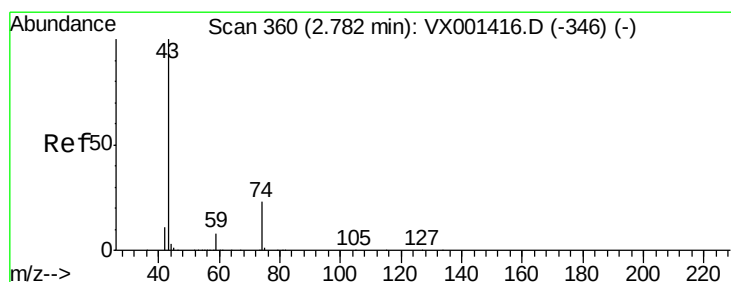
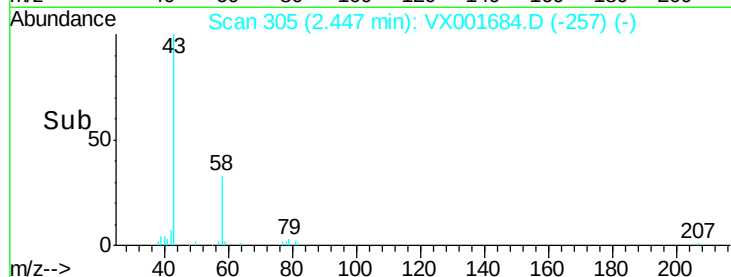
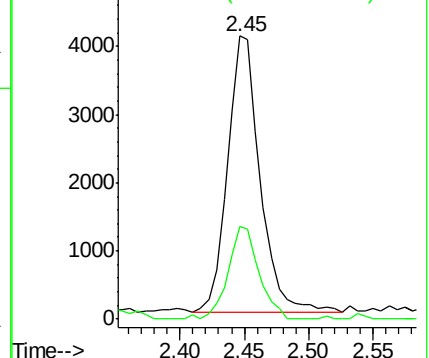
43 100

58 33.3 23.8 35.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#18

Methyl Acetate

Concen: 4.70 ug/l

RT: 2.78 min Scan# 360

Delta R.T. 0.00 min

Lab File: VX001684.D

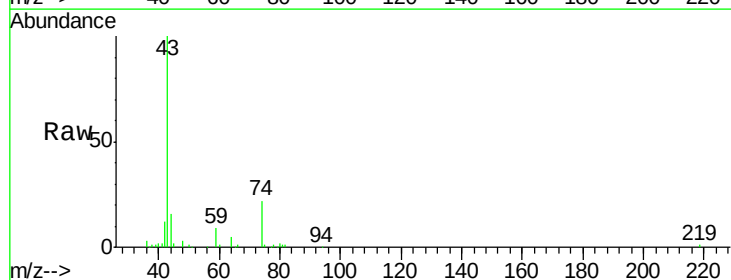
Acq: 12 May 2018 23:21

Tgt Ion: 43 Resp: 21560

Ion Ratio Lower Upper

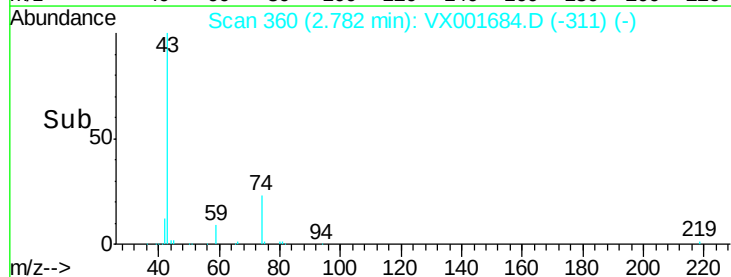
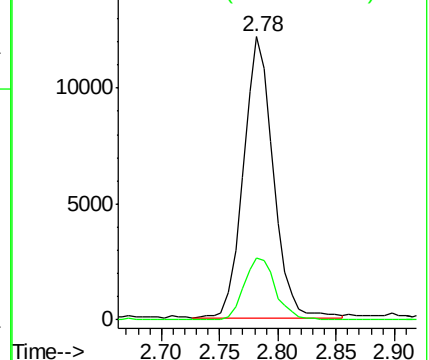
43 100

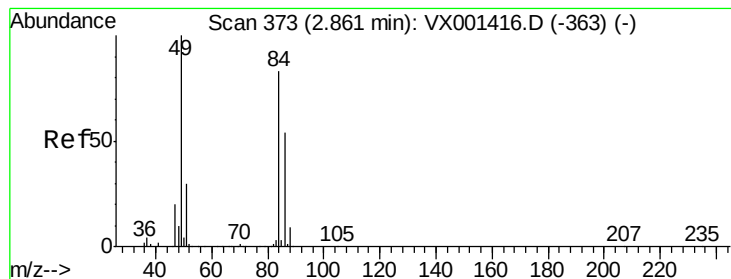
74 23.2 18.6 27.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#20

Methylene Chloride

Concen: 1.07 ug/l

RT: 2.86 min Scan# 373

Delta R.T. 0.00 min

Lab File: VX001684.D

Acq: 12 May 2018 23:21

Instrument :

MSVOA_X

ClientSampled :

PB109200TB

Tgt Ion: 84 Resp: 3687

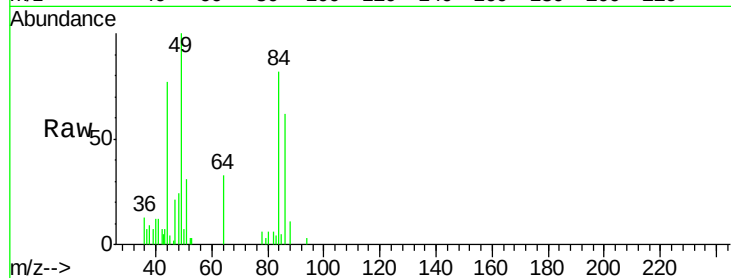
Ion Ratio Lower Upper

84 100

49 118.6 96.6 144.8

51 32.9 29.0 43.4

86 75.8 52.2 78.4

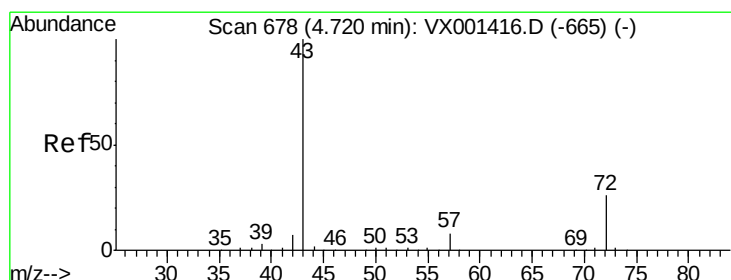
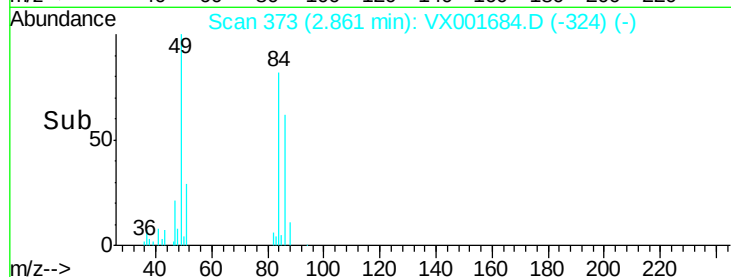
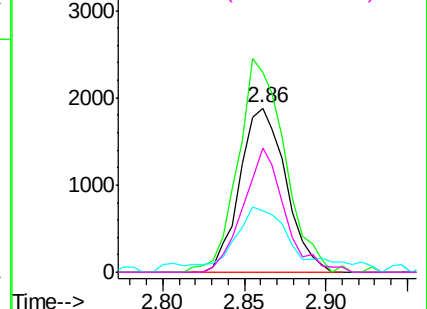


Abundance Ion 83.90 (83.60 to 84.60): VX0

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



#25

2-Butanone

Concen: 0.95 ug/l

RT: 4.71 min Scan# 676

Delta R.T. -0.01 min

Lab File: VX001684.D

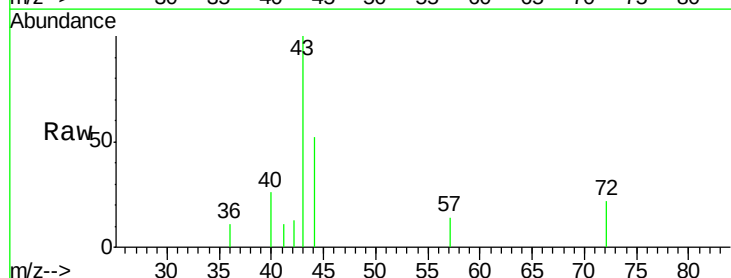
Acq: 12 May 2018 23:21

Tgt Ion: 43 Resp: 2408

Ion Ratio Lower Upper

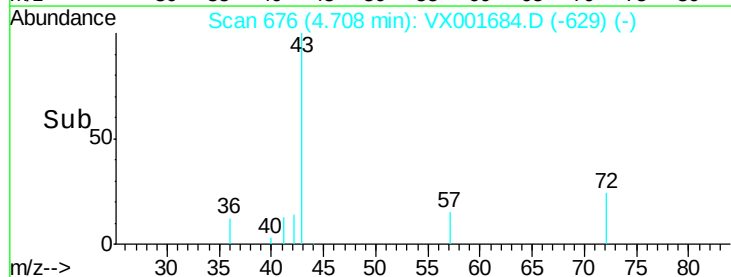
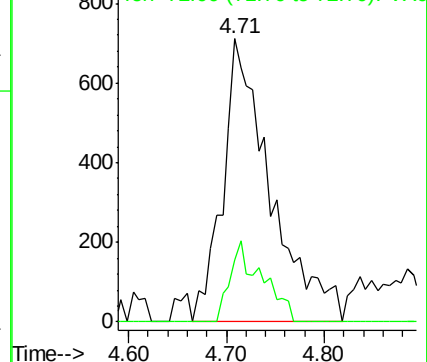
43 100

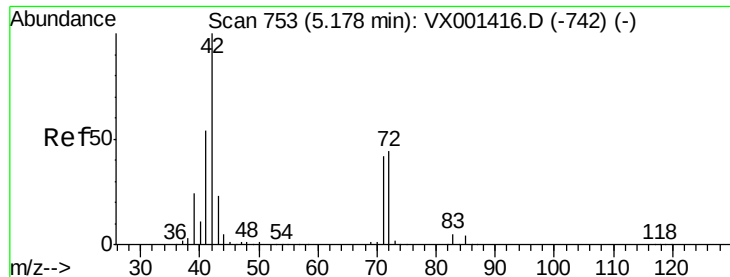
72 21.9 20.7 31.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0





#29

Tetrahydrofuran

Concen: 0.36 ug/l

RT: 5.18 min Scan# 753

Delta R.T. 0.00 min

Lab File: VX001684.D

Acq: 12 May 2018 23:21

Instrument :

MSVOA_X

ClientSampled :

PB109200TB

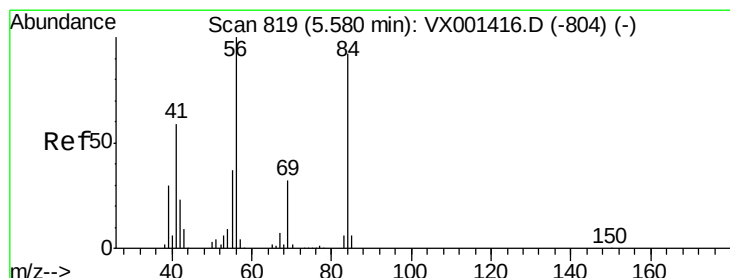
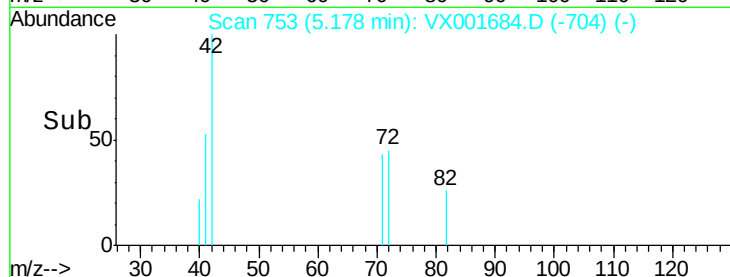
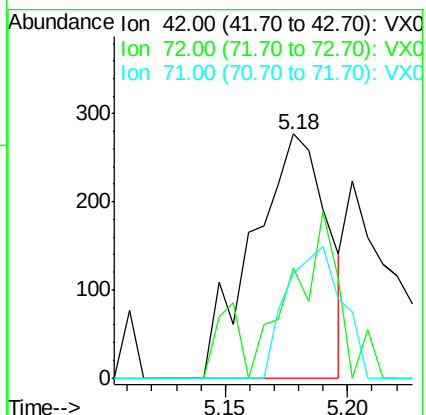
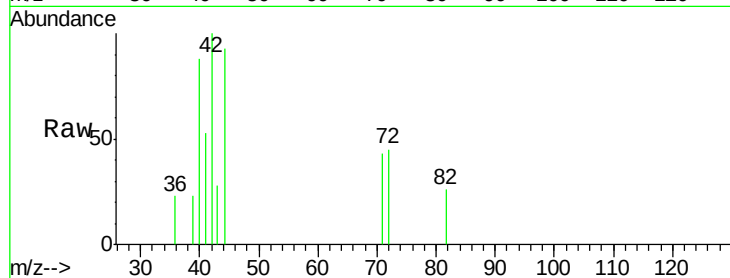
Tgt Ion: 42 Resp: 583

Ion Ratio Lower Upper

42 100

72 43.4 35.4 53.2

71 40.3 33.0 49.4



#31

Cyclohexane

Concen: 0.97 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.09 min

Lab File: VX001684.D

Acq: 12 May 2018 23:21

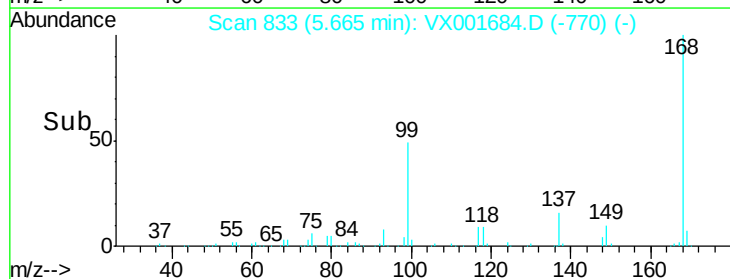
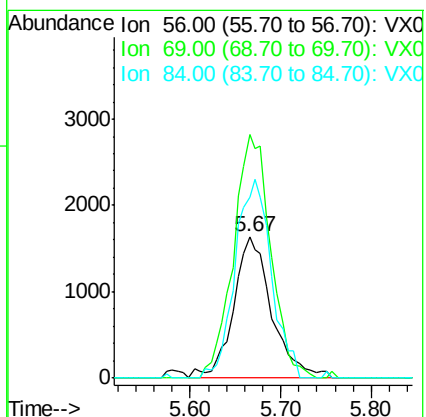
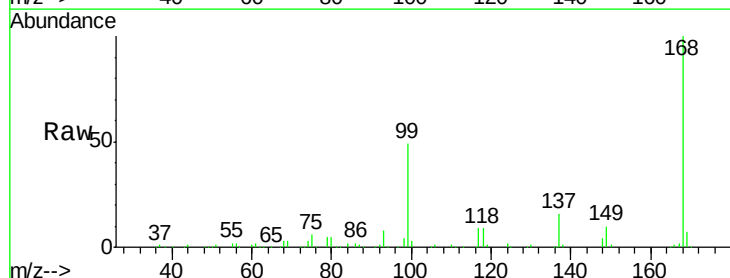
Tgt Ion: 56 Resp: 4802

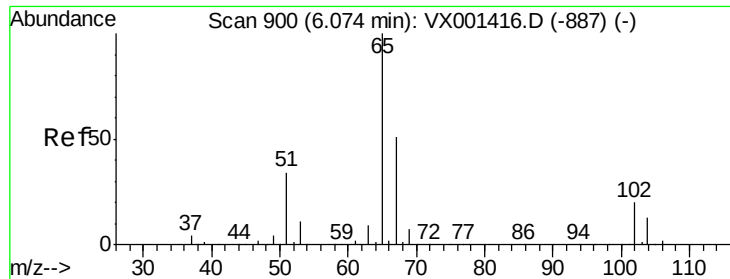
Ion Ratio Lower Upper

56 100

69 171.9 25.4 38.0#

84 128.2 73.8 110.8#

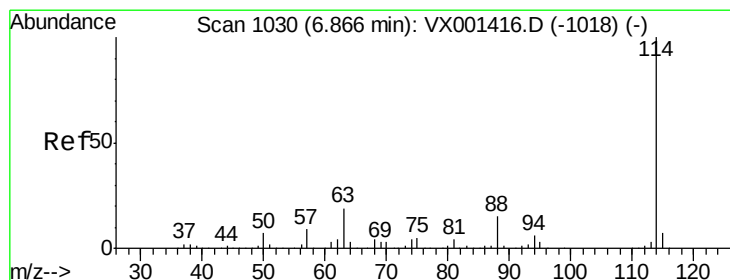
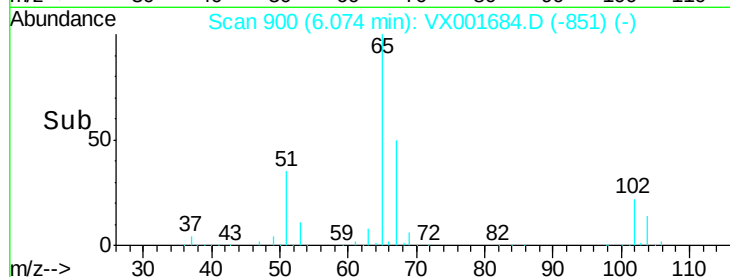
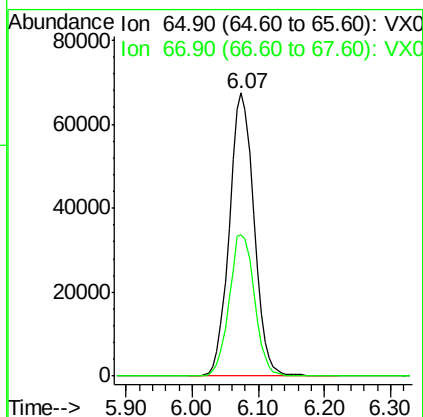
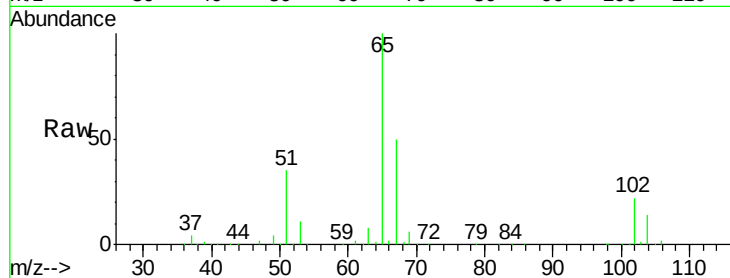




#33
 1,2-Dichloroethane-d4
 Concen: 45.30 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX001684.D
 Acq: 12 May 2018 23:21

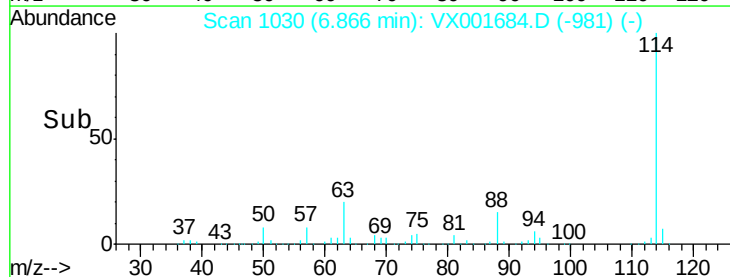
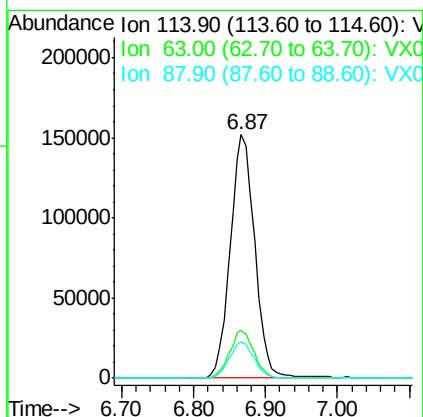
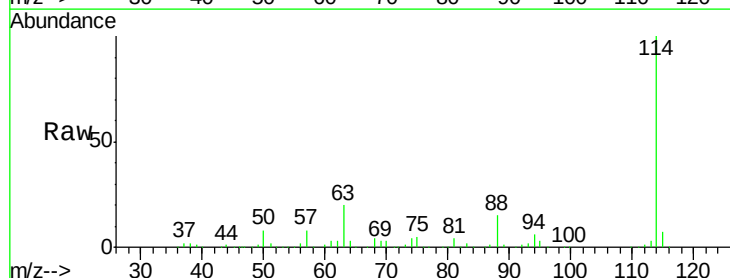
Instrument :
 MSVOA_X
 ClientSampleId :
 PB109200TB

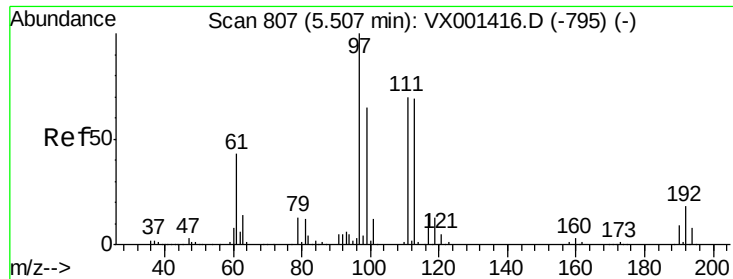
Tgt Ion: 65 Resp: 174258
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX001684.D
 Acq: 12 May 2018 23:21

Tgt Ion: 114 Resp: 359042
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 38.6
 88 15.1 0.0 30.8

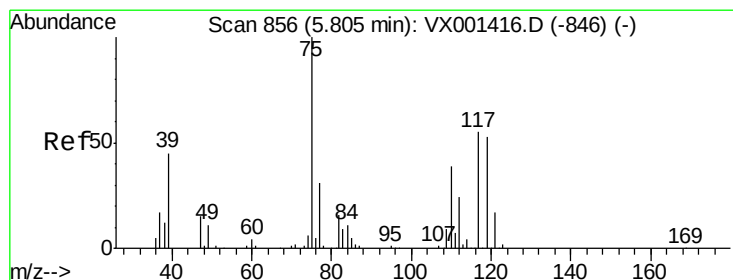
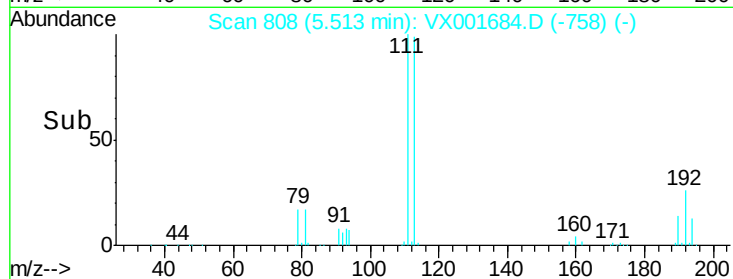
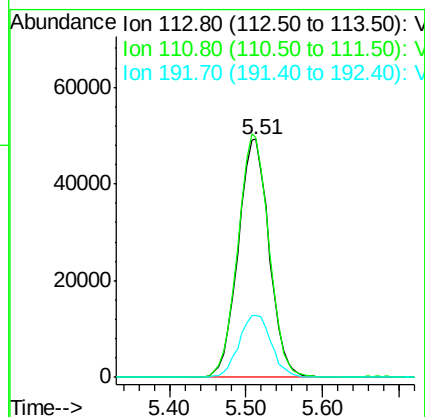
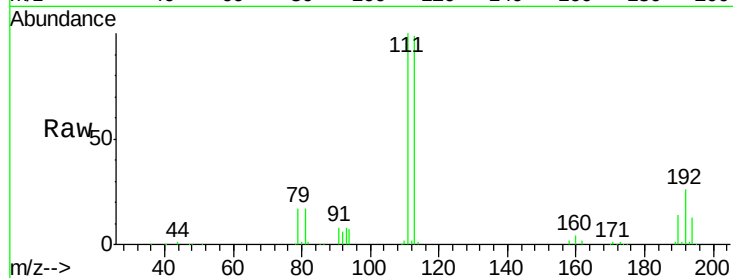




#35
 Dibromofluoromethane
 Concen: 43.41 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. 0.01 min
 Lab File: VX001684.D
 Acq: 12 May 2018 23:21

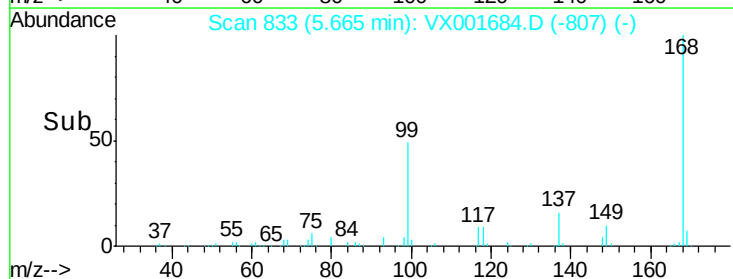
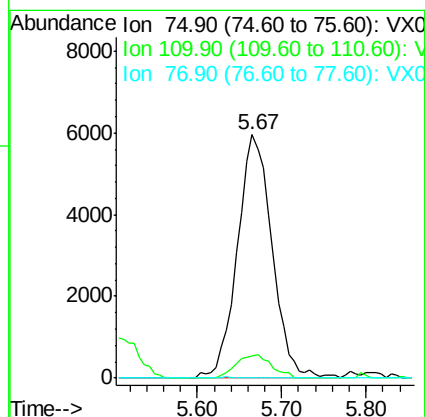
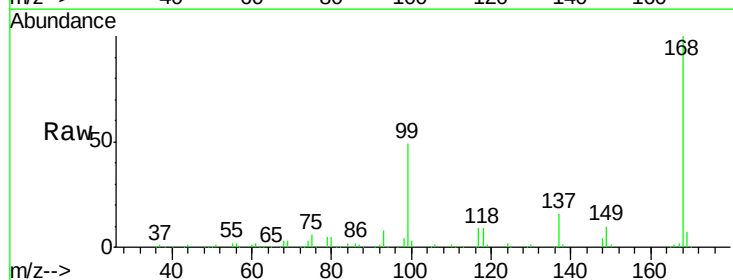
Instrument :
 MSVOA_X
 ClientSampleId :
 PB109200TB

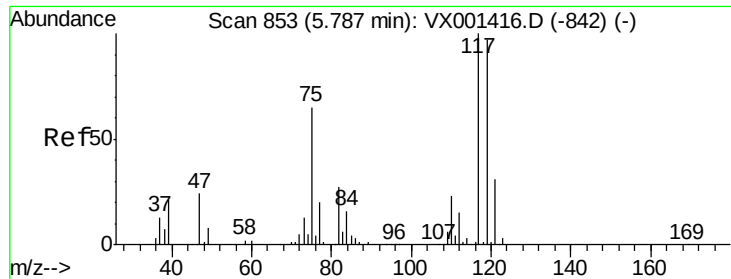
Tgt Ion:113 Resp: 138635
 Ion Ratio Lower Upper
 113 100
 111 102.2 82.2 123.2
 192 27.2 21.4 32.0



#36
 1,1-Dichloropropene
 Concen: 3.63 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.14 min
 Lab File: VX001684.D
 Acq: 12 May 2018 23:21

Tgt Ion: 75 Resp: 16574
 Ion Ratio Lower Upper
 75 100
 110 9.7 18.9 56.7#
 77 0.0 24.9 37.3#





#38

Carbon Tetrachloride

Concen: 4.67 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.12 min

Lab File: VX001684.D

Acq: 12 May 2018 23:21

Instrument :

MSVOA_X

ClientSampled :

PB109200TB

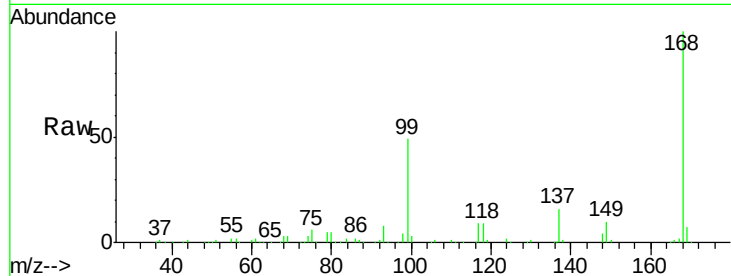
Tgt Ion:117 Resp: 22736

Ion Ratio Lower Upper

117 100

119 7.7 77.0 115.6#

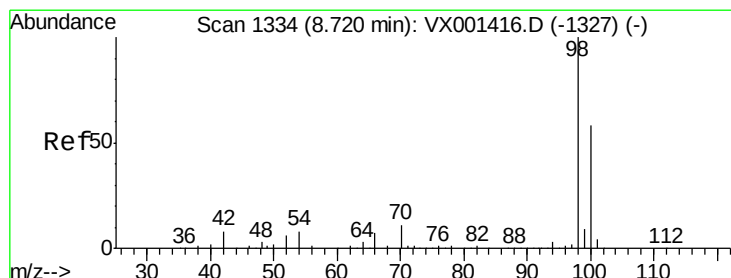
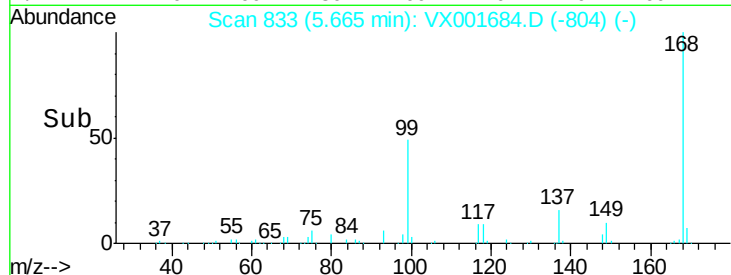
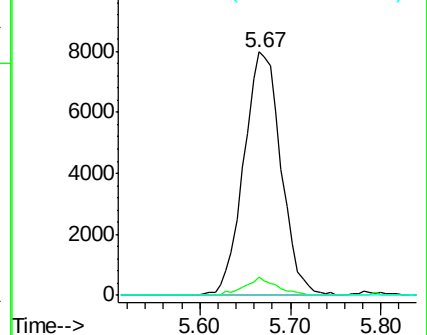
121 0.0 25.1 37.7#



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



#50

Toluene-d8

Concen: 42.21 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX001684.D

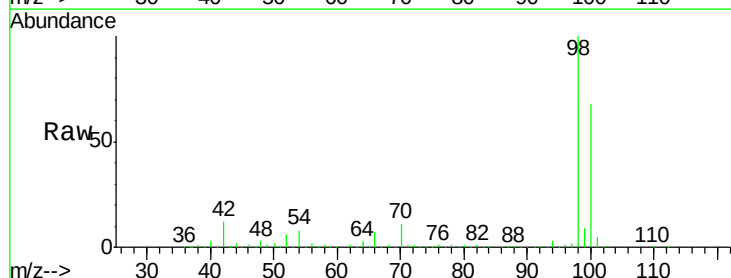
Acq: 12 May 2018 23:21

Tgt Ion: 98 Resp: 492085

Ion Ratio Lower Upper

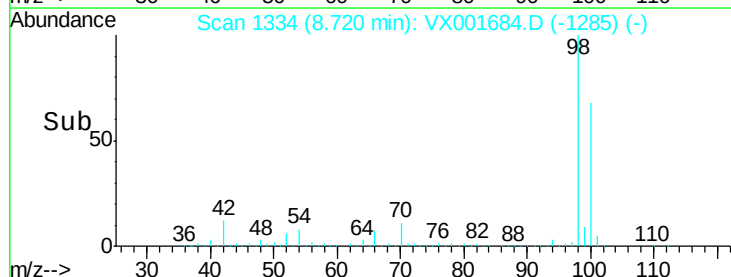
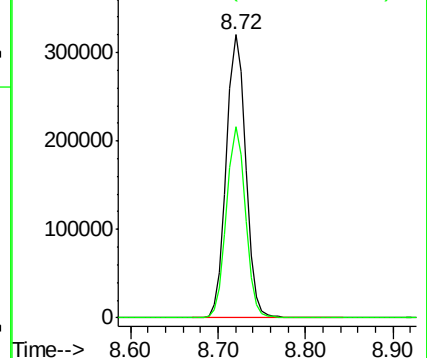
98 100

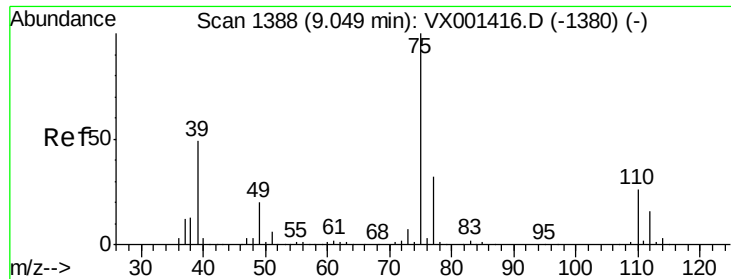
100 66.5 54.0 81.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#54

cis-1,3-Dichloropropene

Concen: 2.31 ug/l

RT: 9.04 min Scan# 1387

Delta R.T. -0.01 min

Lab File: VX001684.D

Acq: 12 May 2018 23:21

Instrument :

MSVOA_X

ClientSampled :

PB109200TB

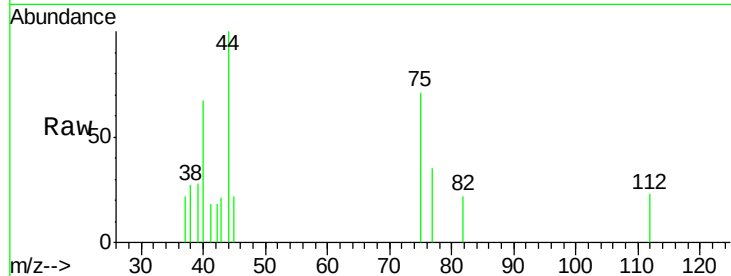
Tgt Ion: 75 Resp: 264

Ion Ratio Lower Upper

75 100

77 49.5 25.5 38.3#

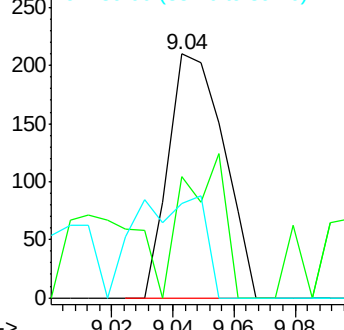
39 38.6 38.9 58.3#



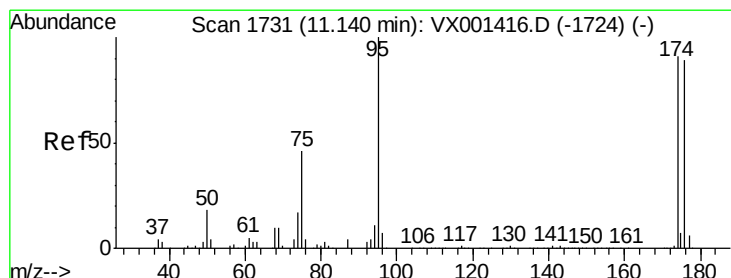
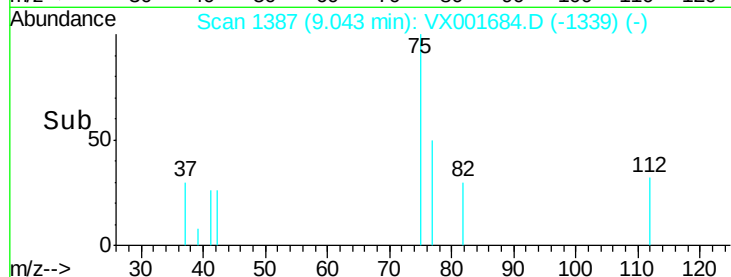
Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0



Time-->



#62

4-Bromofluorobenzene

Concen: 33.18 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX001684.D

Acq: 12 May 2018 23:21

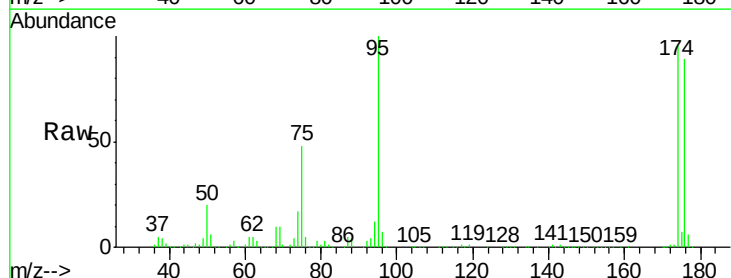
Tgt Ion: 95 Resp: 148470

Ion Ratio Lower Upper

95 100

174 101.4 0.0 202.0

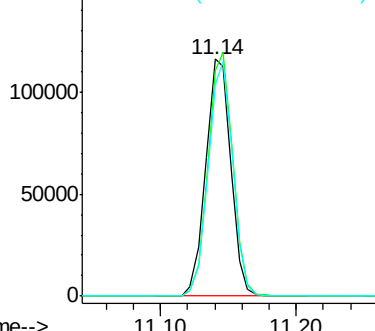
176 97.1 0.0 197.4



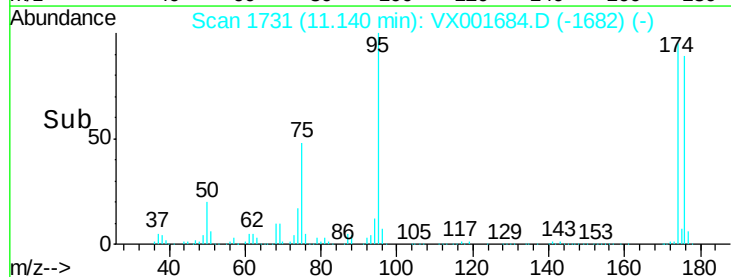
Abundance Ion 94.90 (94.60 to 95.60): VX0

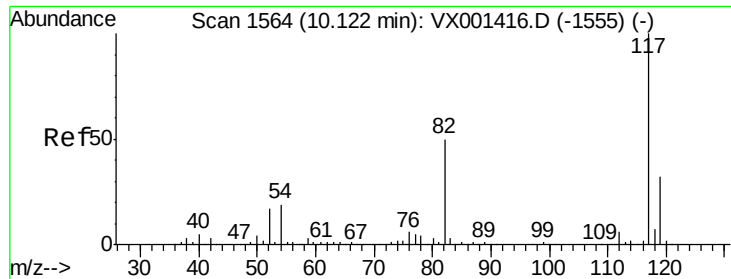
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time-->

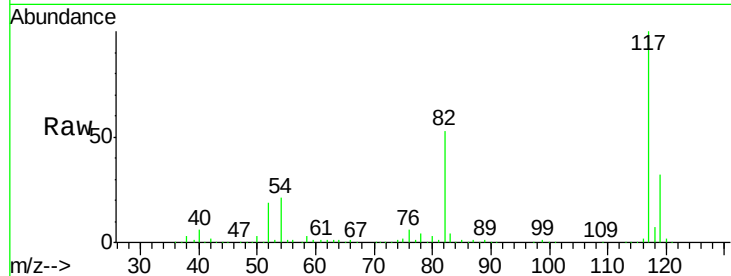




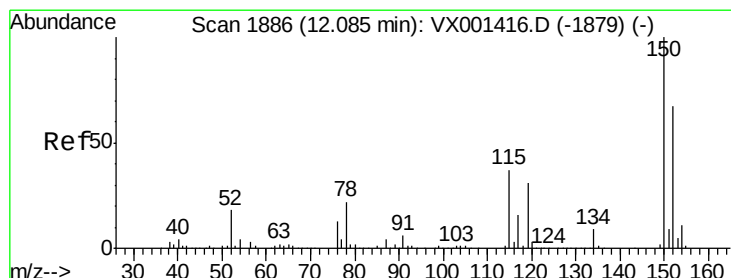
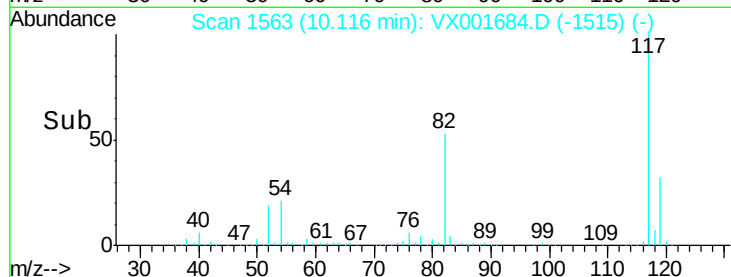
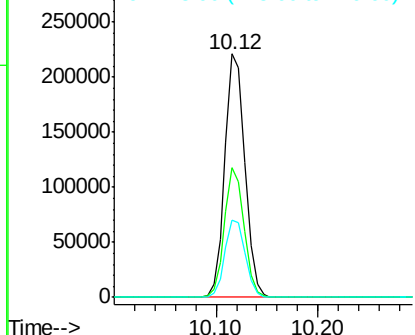
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.01 min
Lab File: VX001684.D
Acq: 12 May 2018 23:21

Instrument :
MSVOA_X
ClientSampled :
PB109200TB

Tgt Ion:117 Resp: 302083
Ion Ratio Lower Upper
117 100
82 53.2 40.0 60.0
119 31.8 25.8 38.8

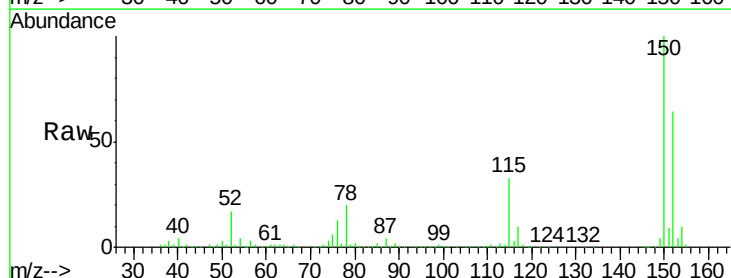


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

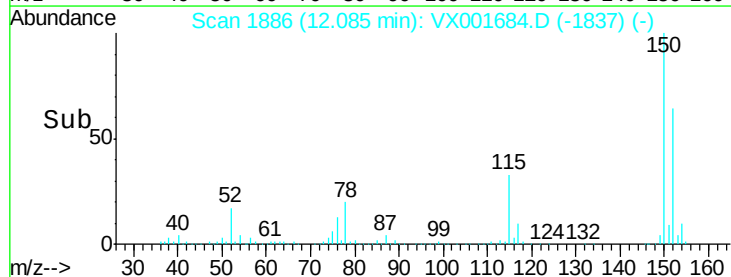
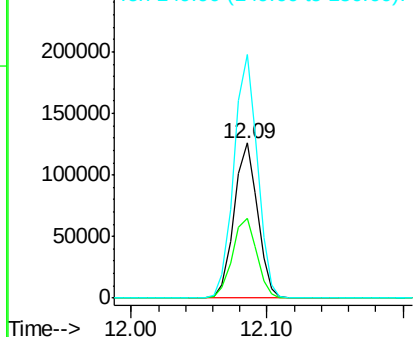


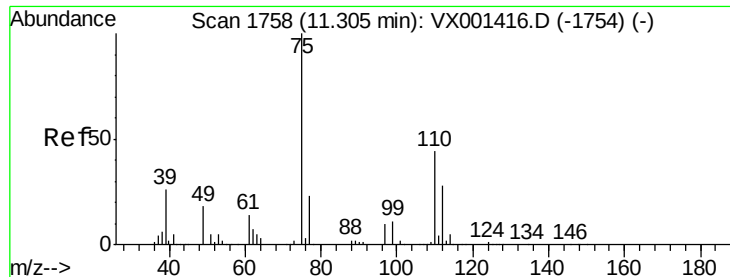
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX001684.D
Acq: 12 May 2018 23:21

Tgt Ion:152 Resp: 151064
Ion Ratio Lower Upper
152 100
115 53.0 37.7 113.1
150 157.3 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: 22.99 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001684.D

Acq: 12 May 2018 23:21

Instrument :

MSVOA_X

ClientSampled :

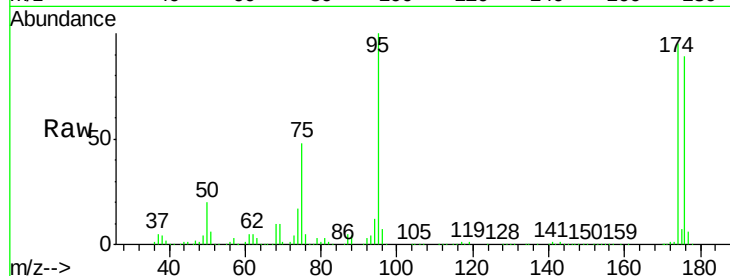
PB109200TB

Tgt Ion: 75 Resp: 70442

Ion Ratio Lower Upper

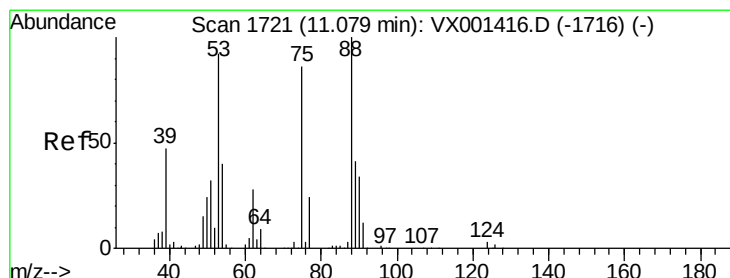
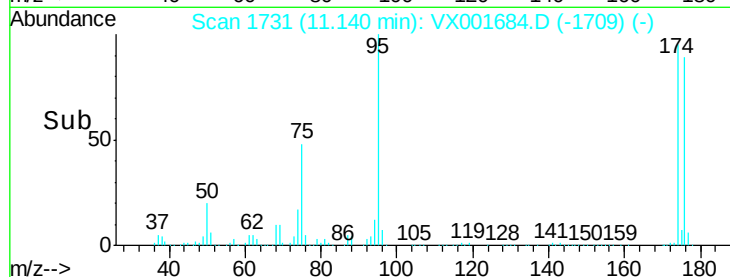
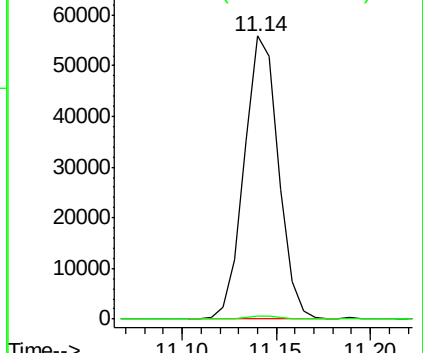
75 100

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: 71.31 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX001684.D

Acq: 12 May 2018 23:21

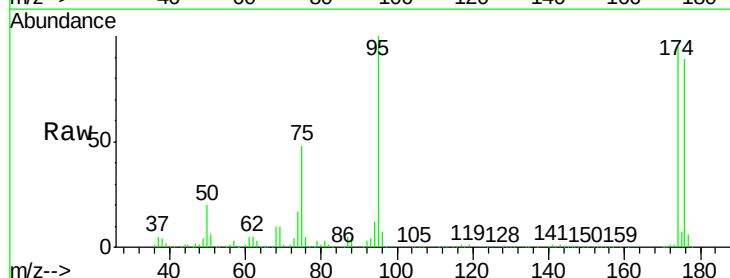
Tgt Ion: 75 Resp: 70442

Ion Ratio Lower Upper

75 100

53 0.1 84.5 126.7#

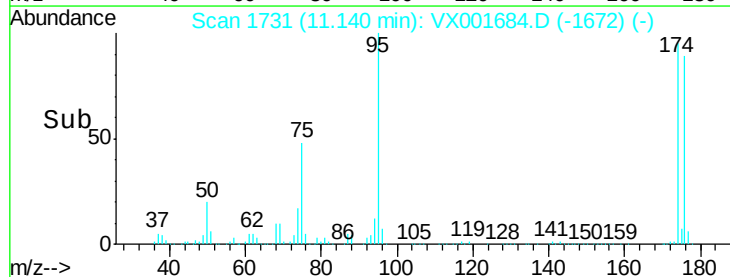
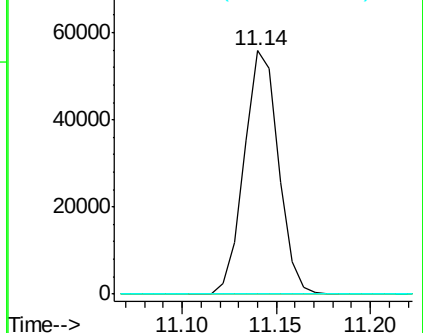
89 0.0 39.5 59.3#

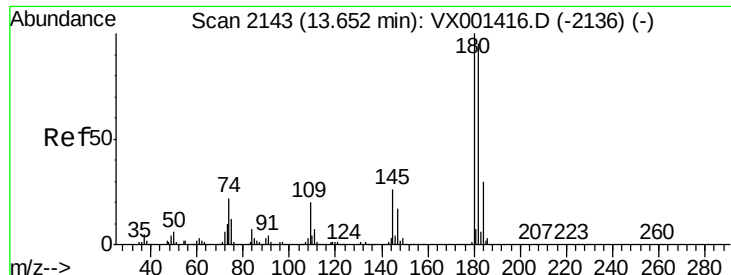


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#93
 1,2,4-Trichlorobenzene
 Concen: 0.20 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX001684.D
 Acq: 12 May 2018 23:21

Instrument :
 MSVOA_X
 ClientSampleId :
 PB109200TB

Tgt Ion	Ratio	Lower	Upper
180	100		
182	103.3	47.8	143.4
145	23.2	13.3	39.9

