

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX050718\
 Data File : VX001465.D
 Acq On : 07 May 2018 14:53
 Operator : JC/MD
 Sample : J2659-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BPS1-TT-MW303D-20180428

Quant Time: May 08 06:06:18 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	262261	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	356025	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	309280	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	166553	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	213697	56.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.38%	
35) Dibromofluoromethane	5.51	113	166865	52.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.38%	
50) Toluene-d8	8.72	98	590955	51.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.24%	
62) 4-Bromofluorobenzene	11.14	95	191959	43.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.52%	

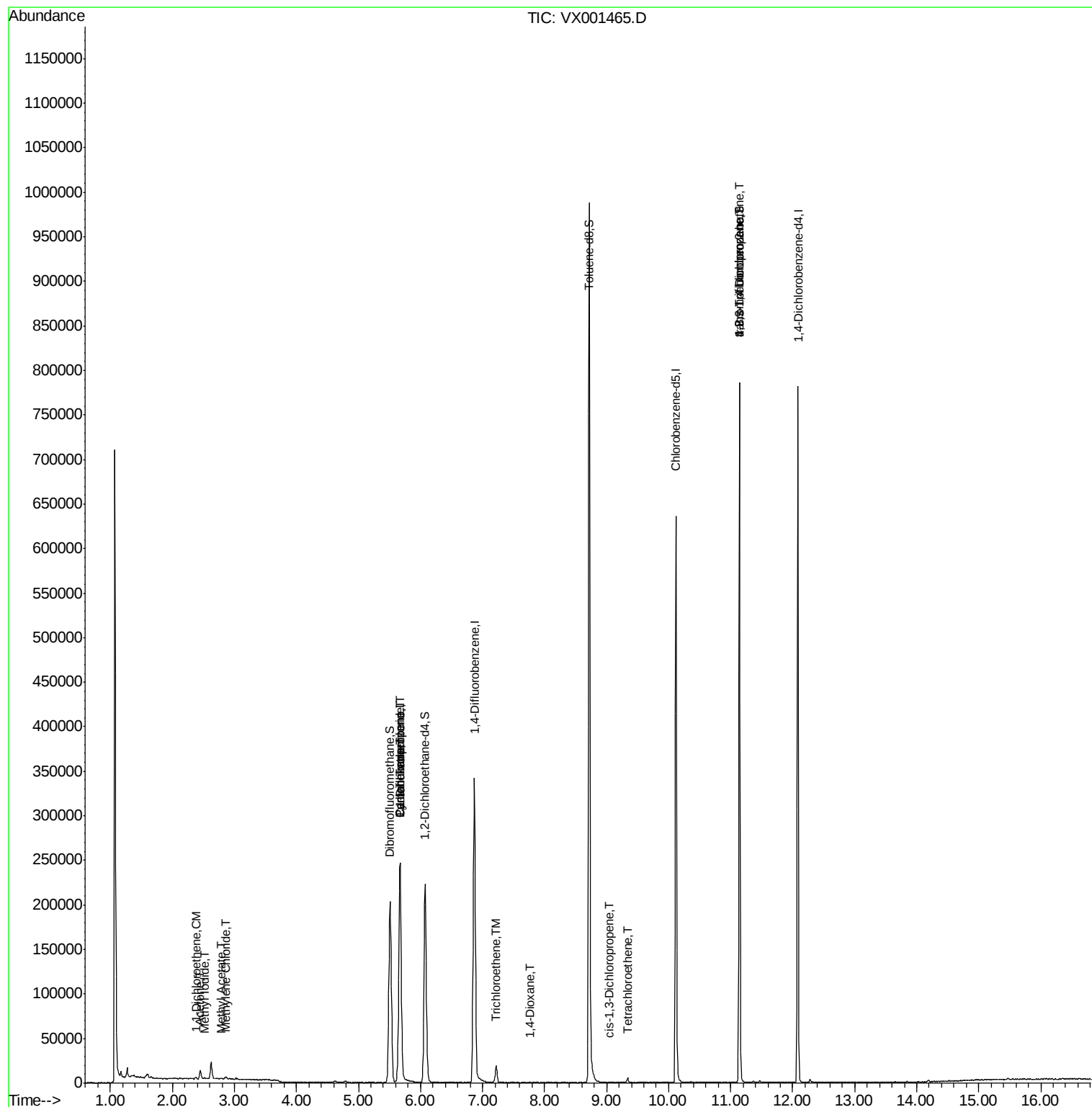
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	1106	Below Cal	#	67
10) Methyl Iodide	2.52	142	1431	0.31	ug/l #	95
12) 1,1-Dichloroethene	2.38	96	599	0.21	ug/l #	64
13) Acrolein	2.32	56	49	Below Cal	#	1
16) Acetone	2.45	43	9746	5.69	ug/l	94
18) Methyl Acetate	2.78	43	1041	0.23	ug/l #	87
20) Methylene Chloride	2.86	84	1080	0.32	ug/l #	81
31) Cyclohexane	5.67	56	4647	0.96	ug/l #	24
36) 1,1-Dichloropropene	5.67	75	16363	3.61	ug/l #	49
38) Carbon Tetrachloride	5.67	117	22204	4.60	ug/l #	16
44) Trichloroethene	7.22	130	7503	1.86	ug/l	94
49) 1,4-Dioxane	7.77	88	51	0.57	ug/l #	46
54) cis-1,3-Dichloropropene	9.04	75	21	2.27	ug/l #	34
64) Tetrachloroethene	9.34	164	905	0.21	ug/l #	82
76) 1,2,3-Trichloropropane	11.14	75	96425	28.55	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.14	75	96425	87.50	ug/l #	7

(#) = 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: VX001465.D

Acq: 07 May 2018 14:53

Instrument :

MSVOA_X

ClientSampleId :

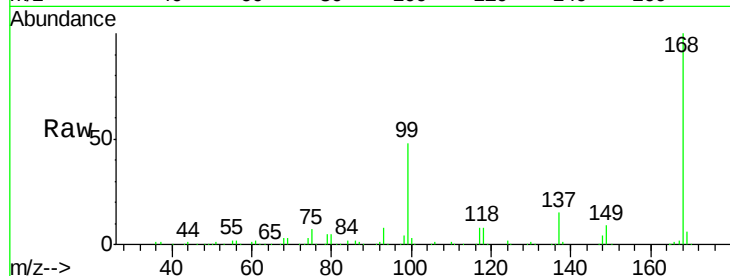
BPS1-TT-MW303D-20180428

Tgt Ion:168 Resp: 262261

Ion Ratio Lower Upper

168 100

99 48.0 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

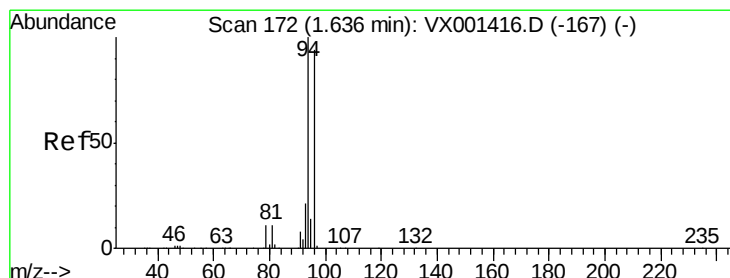
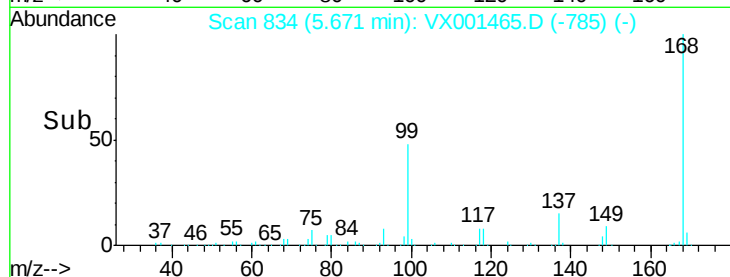
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 175

Delta R.T. 0.02 min

Lab File: VX001465.D

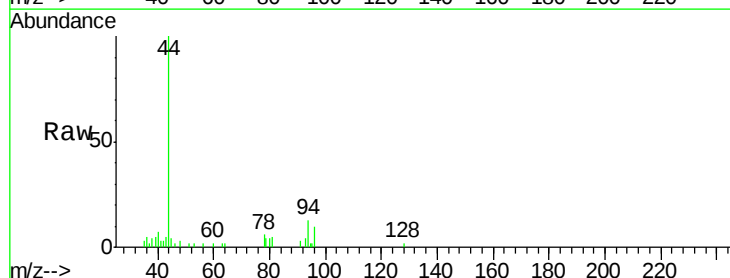
Acq: 07 May 2018 14:53

Tgt Ion: 94 Resp: 1106

Ion Ratio Lower Upper

94 100

96 62.1 75.0 112.6#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

500

400

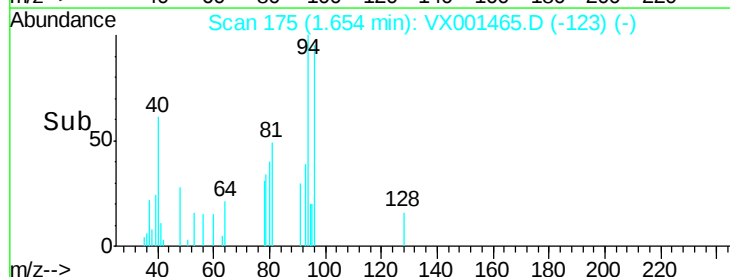
300

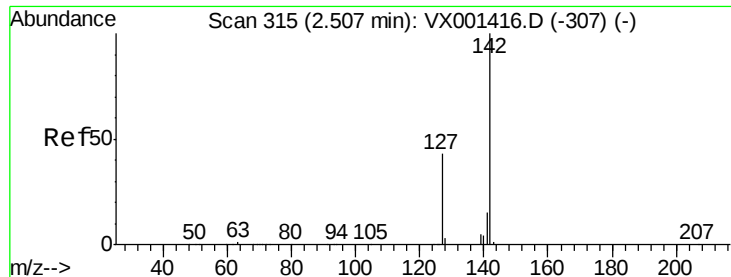
200

100

0

Time--> 1.60 1.65 1.70

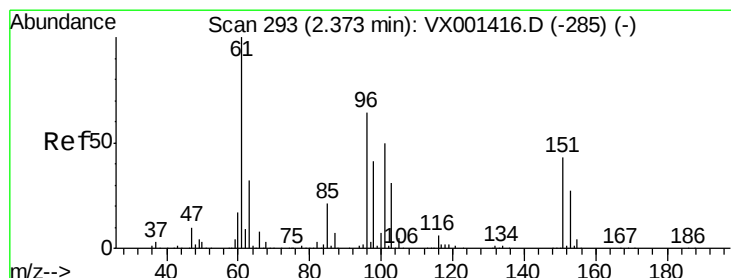
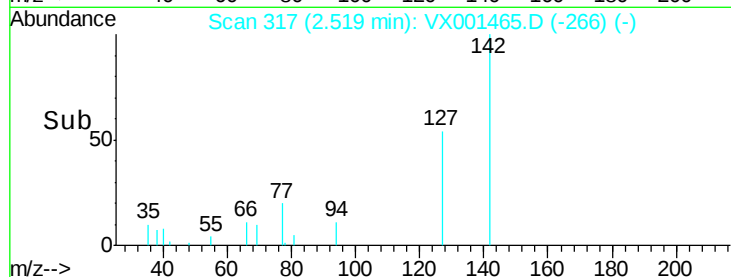
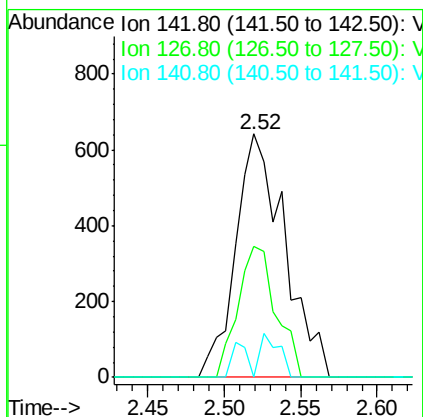
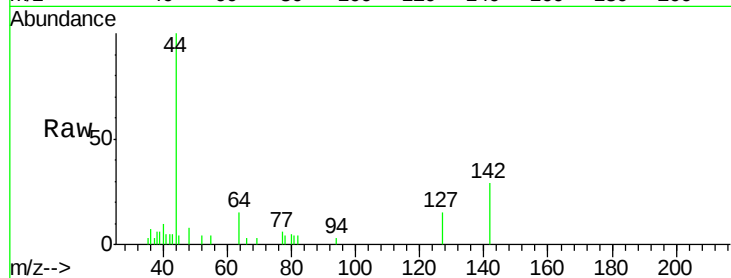




#10
Methyl Iodide
Concen: 0.31 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX001465.D
Acq: 07 May 2018 14:53

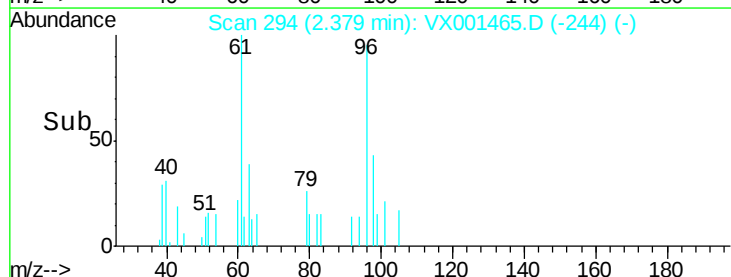
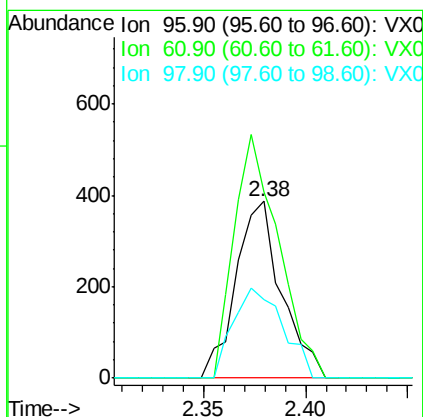
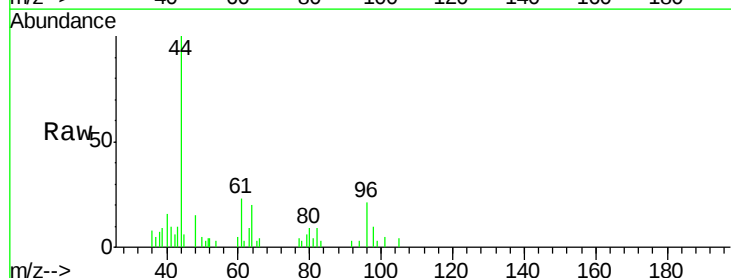
Instrument :
MSVOA_X
ClientSampleId :
BPS1-TT-MW303D-20180428

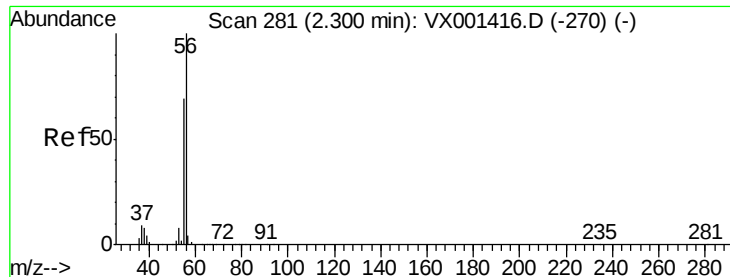
Tgt Ion: 142 Resp: 1431
Ion Ratio Lower Upper
142 100
127 41.7 33.6 50.4
141 7.1 11.4 17.2#



#12
1,1-Dichloroethene
Concen: 0.21 ug/l
RT: 2.38 min Scan# 294
Delta R.T. 0.01 min
Lab File: VX001465.D
Acq: 07 May 2018 14:53

Tgt Ion: 96 Resp: 599
Ion Ratio Lower Upper
96 100
61 105.2 125.7 188.5#
98 44.7 52.0 78.0#





#13

Acrolein

Concen: Below Cal

RT: 2.32 min Scan# 284

Delta R.T. 0.02 min

Lab File: VX001465.D

Acq: 07 May 2018 14:53

Instrument :

MSVOA_X

ClientSampleId :

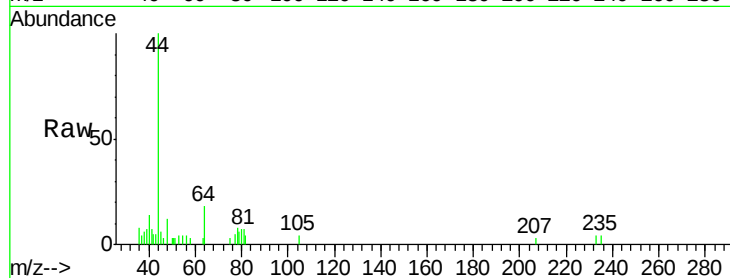
BPS1-TT-MW303D-20180428

Tgt Ion: 56 Resp: 49

Ion Ratio Lower Upper

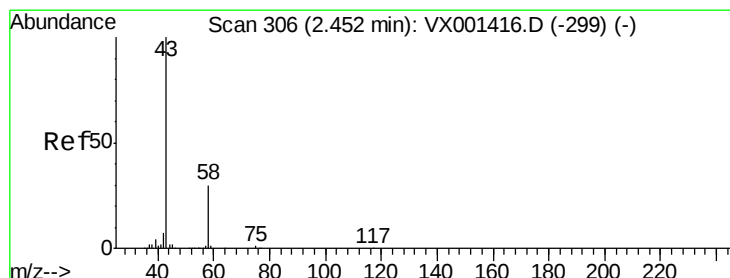
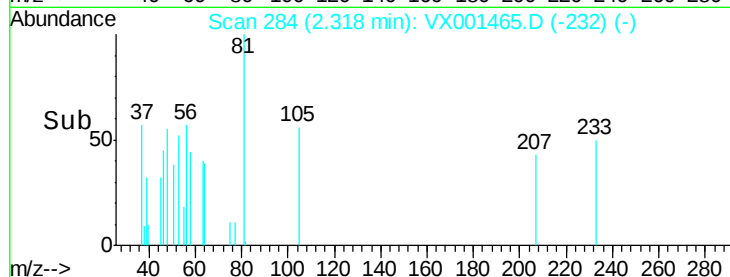
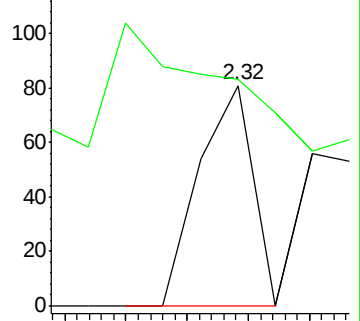
56 100

55 365.3 54.5 81.7#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 5.69 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX001465.D

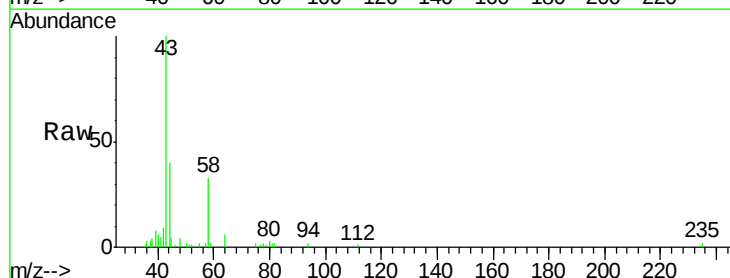
Acq: 07 May 2018 14:53

Tgt Ion: 43 Resp: 9746

Ion Ratio Lower Upper

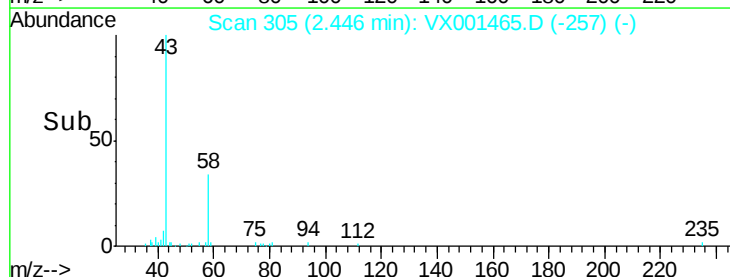
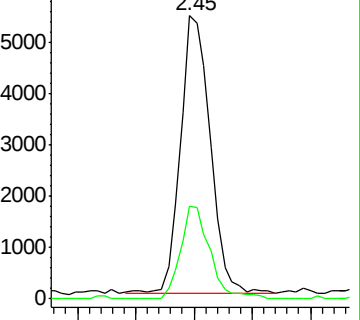
43 100

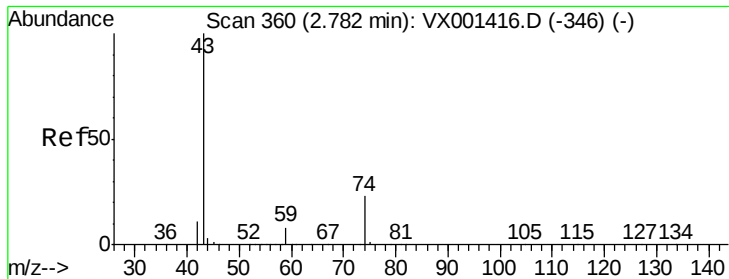
58 33.1 23.8 35.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

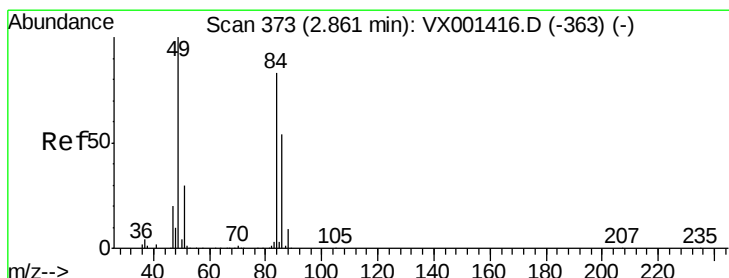
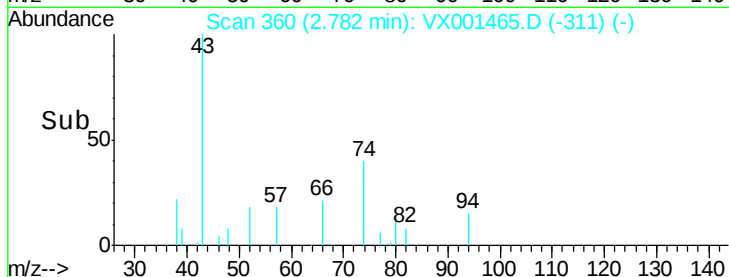
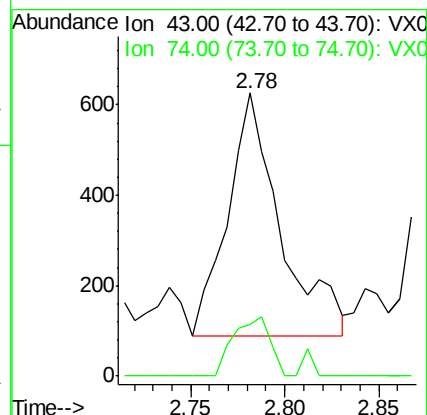
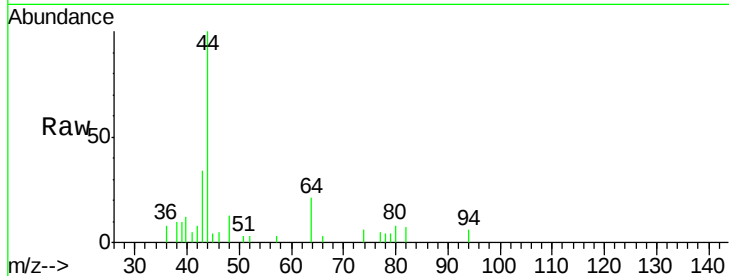




#18
Methyl Acetate
Concen: 0.23 ug/l
RT: 2.78 min Scan# 360
Delta R.T. -0.00 min
Lab File: VX001465.D
Acq: 07 May 2018 14:53

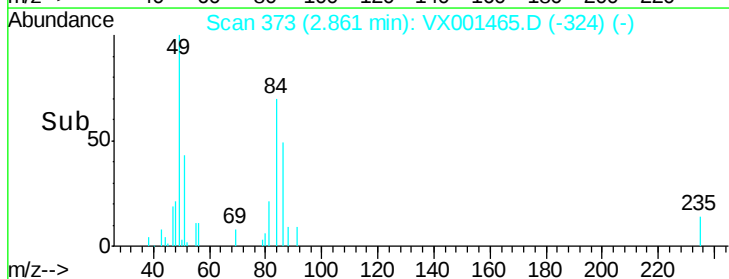
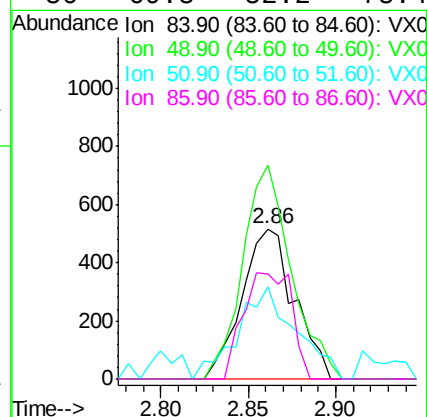
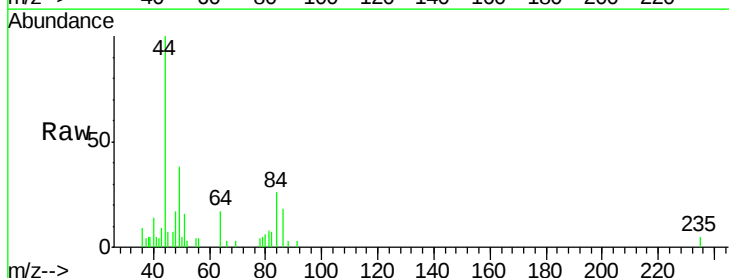
Instrument :
MSVOA_X
ClientSampleId :
BPS1-TT-MW303D-20180428

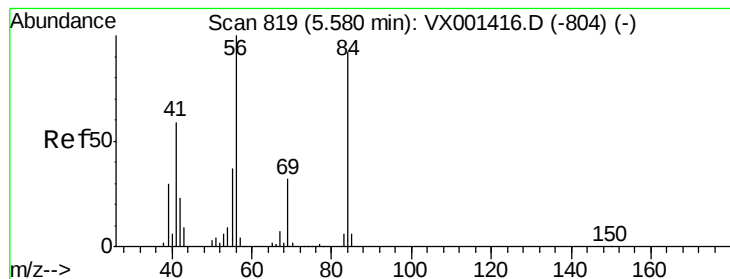
Tgt Ion: 43 Resp: 1041
Ion Ratio Lower Upper
43 100
74 16.9 18.6 27.8#



#20
Methylene Chloride
Concen: 0.32 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.00 min
Lab File: VX001465.D
Acq: 07 May 2018 14:53

Tgt Ion: 84 Resp: 1080
Ion Ratio Lower Upper
84 100
49 142.4 96.6 144.8
51 61.2 29.0 43.4#
86 69.8 52.2 78.4





#31

Cyclohexane

Concen: 0.96 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.09 min

Lab File: VX001465.D

Acq: 07 May 2018 14:53

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW303D-20180428

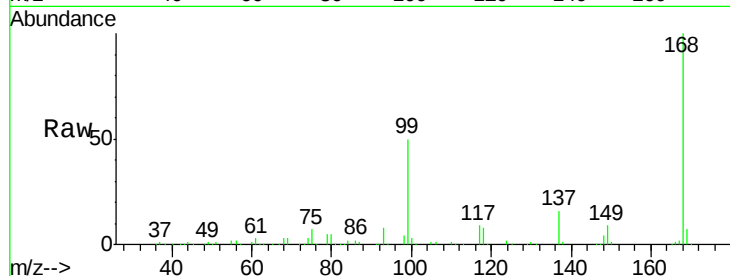
Tgt Ion: 56 Resp: 4647

Ion Ratio Lower Upper

56 100

69 170.4 25.4 38.0#

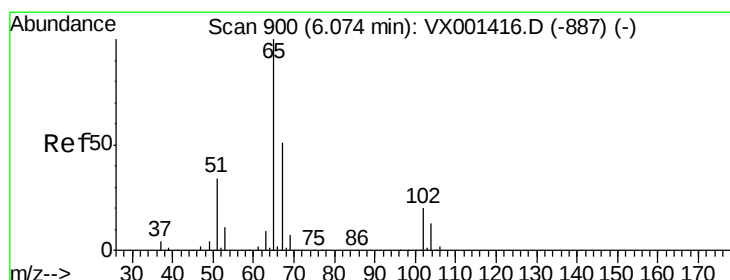
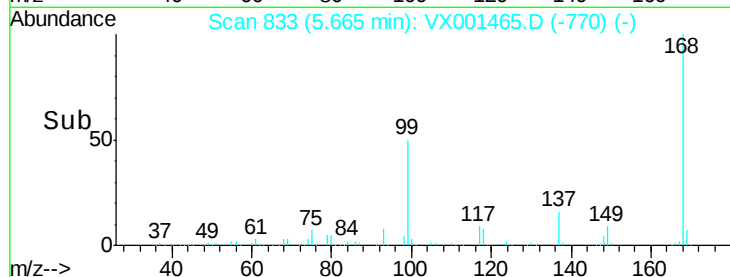
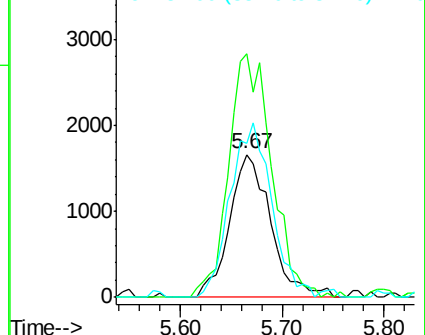
84 107.5 73.8 110.8



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: 56.69 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.00 min

Lab File: VX001465.D

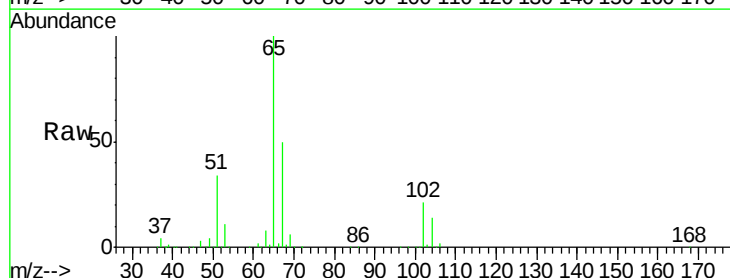
Acq: 07 May 2018 14:53

Tgt Ion: 65 Resp: 213697

Ion Ratio Lower Upper

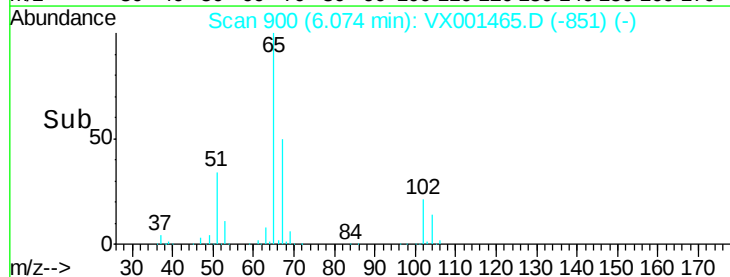
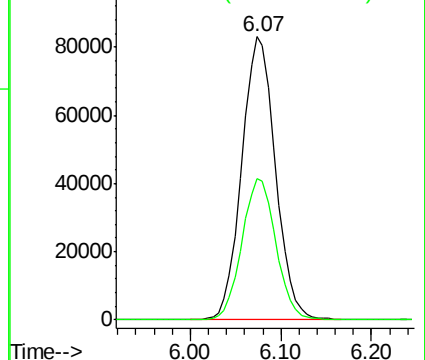
65 100

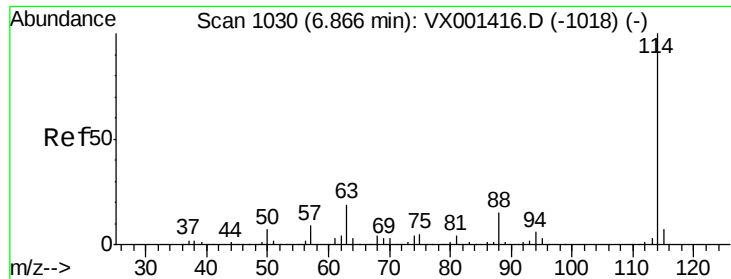
67 50.3 0.0 101.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX001465.D

Acq: 07 May 2018 14:53

Instrument :

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BPS1-TT-MW303D-20180428

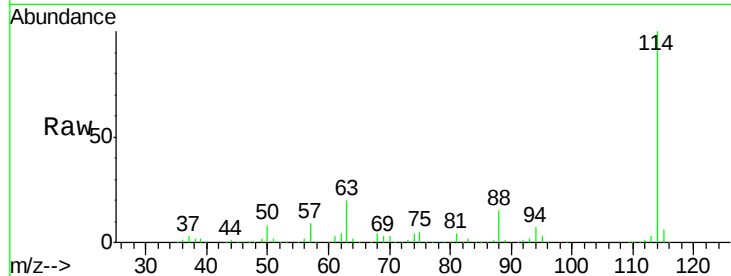
Tgt Ion:114 Resp: 356025

Ion Ratio Lower Upper

114 100

63 20.4 0.0 38.6

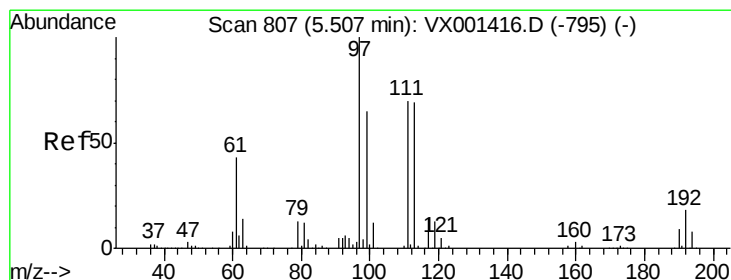
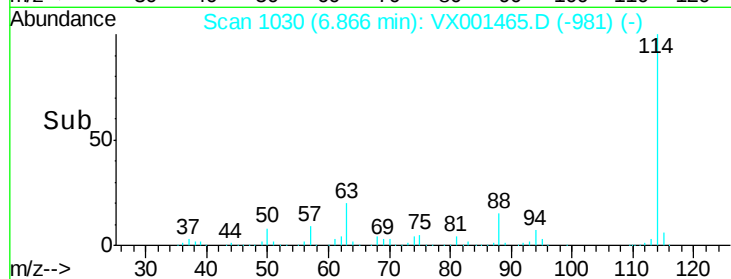
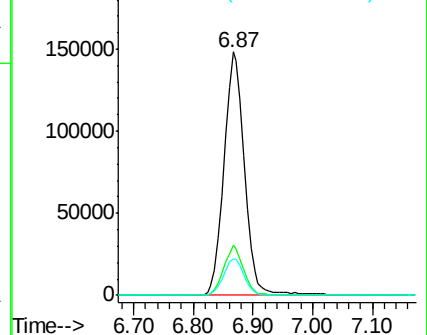
88 14.8 0.0 30.8



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: 52.69 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.01 min

Lab File: VX001465.D

Acq: 07 May 2018 14:53

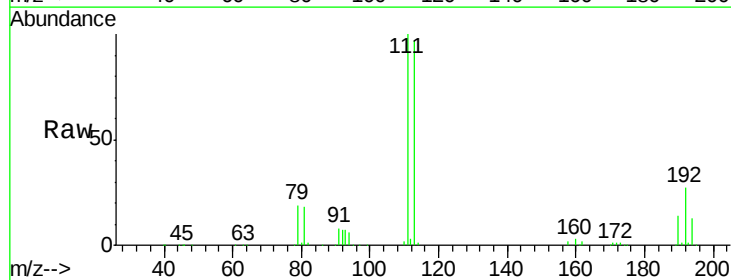
Tgt Ion:113 Resp: 166865

Ion Ratio Lower Upper

113 100

111 101.1 82.2 123.2

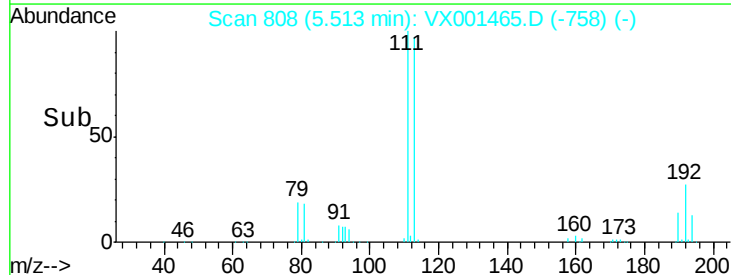
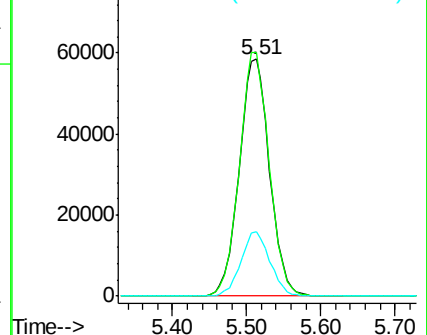
192 26.2 21.4 32.0

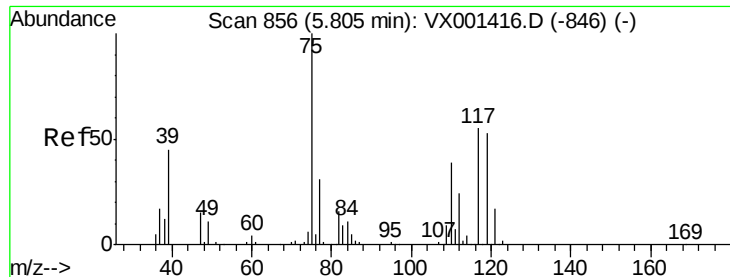


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

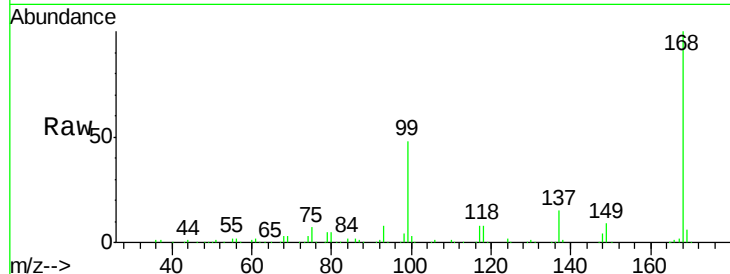




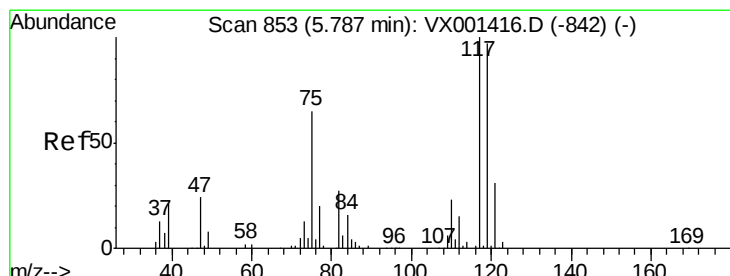
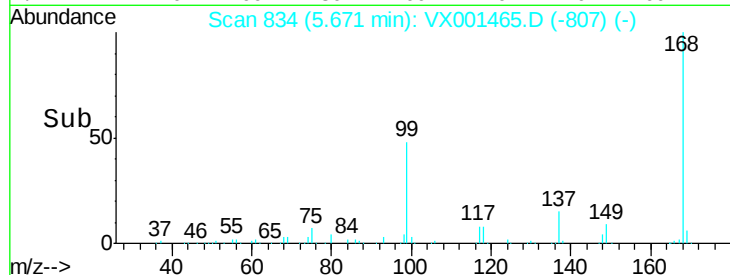
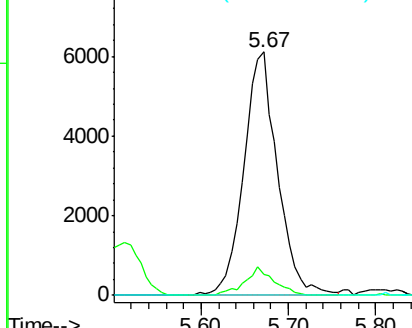
#36
 1,1-Dichloropropene
 Concen: 3.61 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.13 min
 Lab File: VX001465.D
 Acq: 07 May 2018 14:53

Instrument :
 MSVOA_X
 ClientSampleId :
 BPS1-TT-MW303D-20180428

Tgt Ion: 75 Resp: 16363
 Ion Ratio Lower Upper
 75 100
 110 10.1 18.9 56.7#
 77 0.0 24.9 37.3#

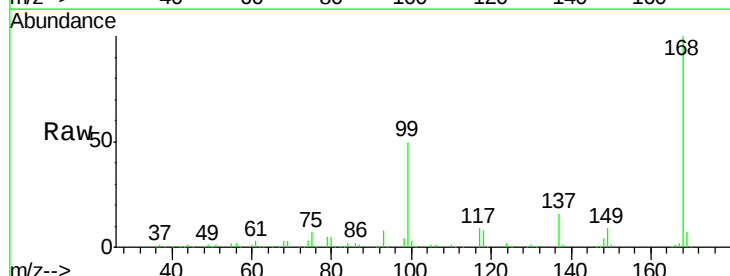


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

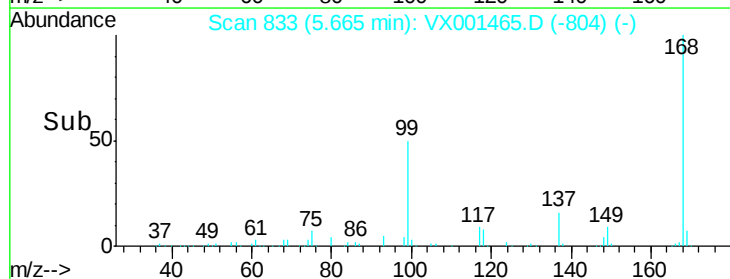
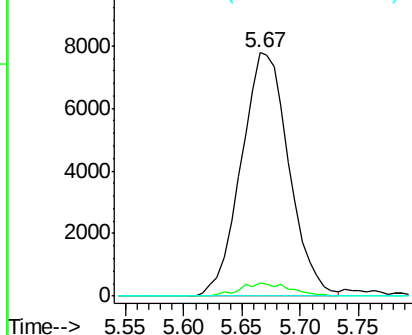


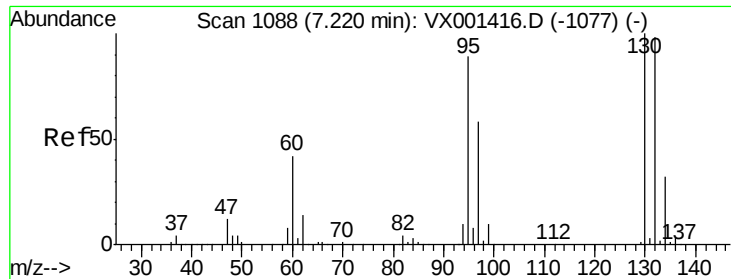
#38
 Carbon Tetrachloride
 Concen: 4.60 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.12 min
 Lab File: VX001465.D
 Acq: 07 May 2018 14:53

Tgt Ion: 117 Resp: 22204
 Ion Ratio Lower Upper
 117 100
 119 5.5 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: 1.86 ug/l

RT: 7.22 min Scan# 1088

Delta R.T. -0.00 min

Lab File: VX001465.D

Acq: 07 May 2018 14:53

Instrument :

MSVOA_X

ClientSampleId :

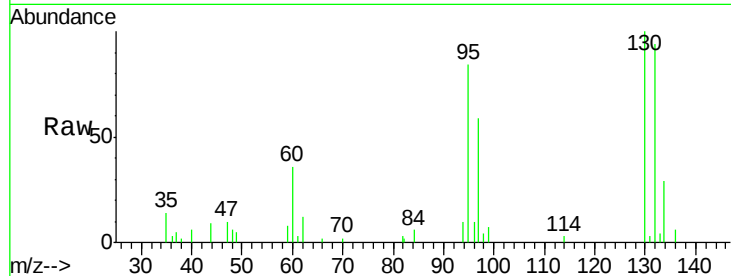
BPS1-TT-MW303D-20180428

Tgt Ion:130 Resp: 7503

Ion Ratio Lower Upper

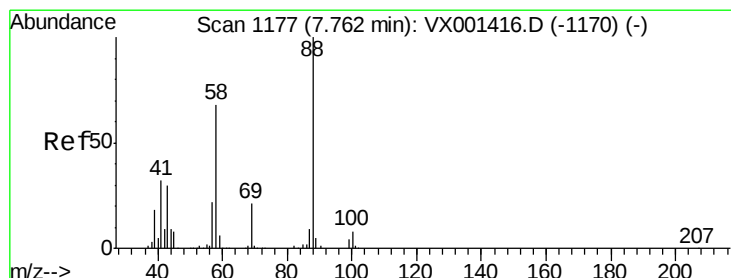
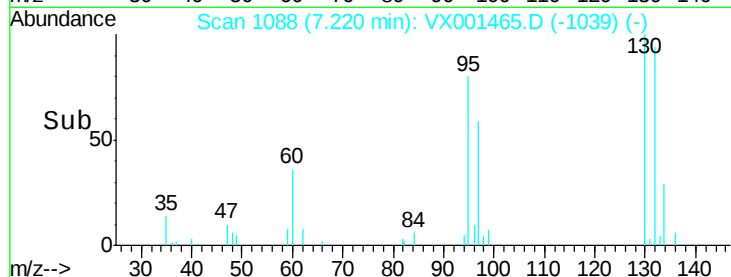
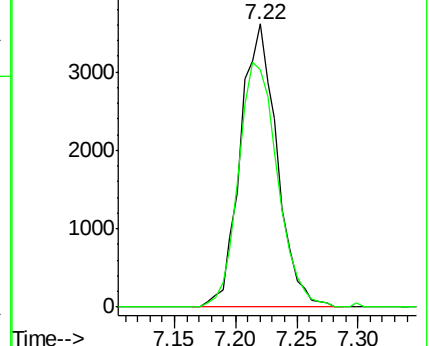
130 100

95 83.8 0.0 178.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#49

1,4-Dioxane

Concen: 0.57 ug/l

RT: 7.77 min Scan# 1179

Delta R.T. 0.01 min

Lab File: VX001465.D

Acq: 07 May 2018 14:53

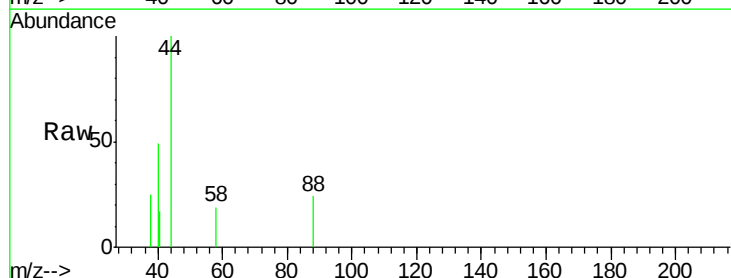
Tgt Ion: 88 Resp: 51

Ion Ratio Lower Upper

88 100

43 74.5 26.4 39.6#

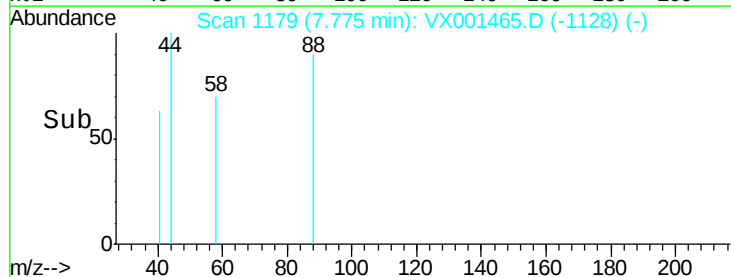
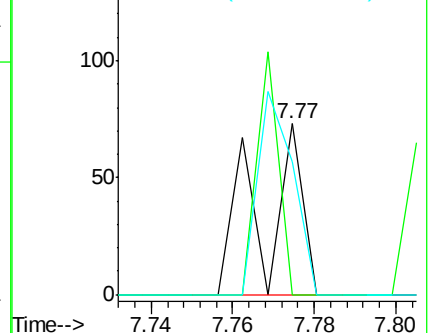
58 103.9 54.1 81.1#

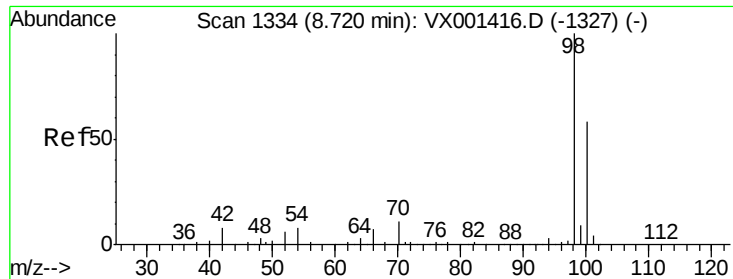


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

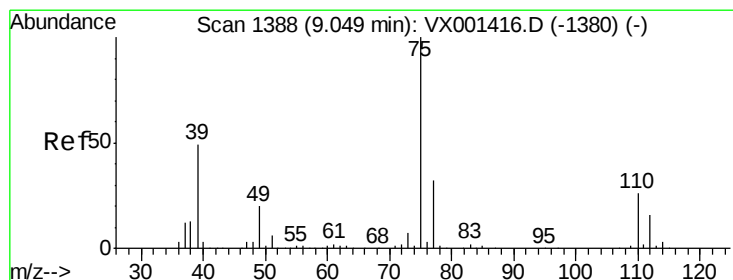
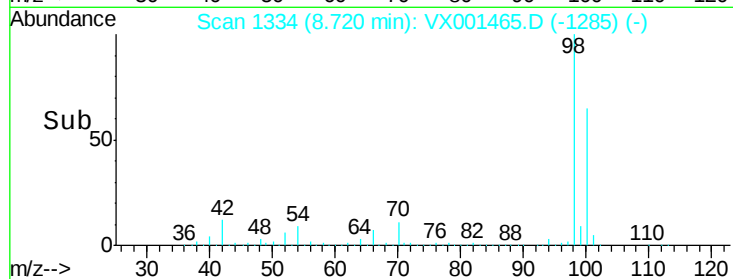
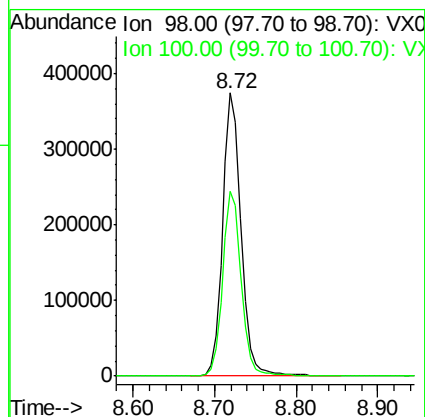
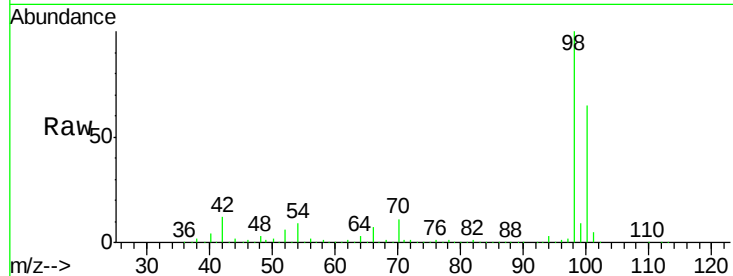




#50
Toluene-d8
Concen: 51.12 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX001465.D
Acq: 07 May 2018 14:53

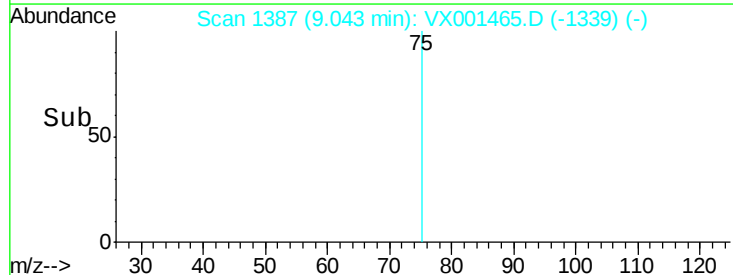
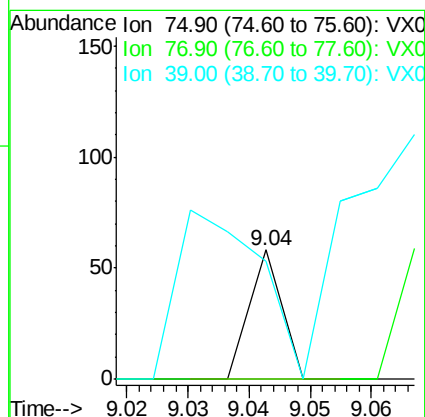
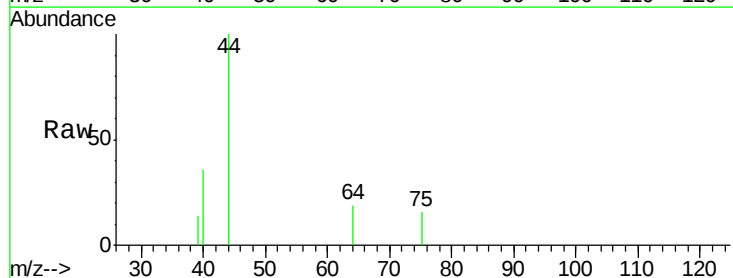
Instrument :
MSVOA_X
ClientSampleId :
BPS1-TT-MW303D-20180428

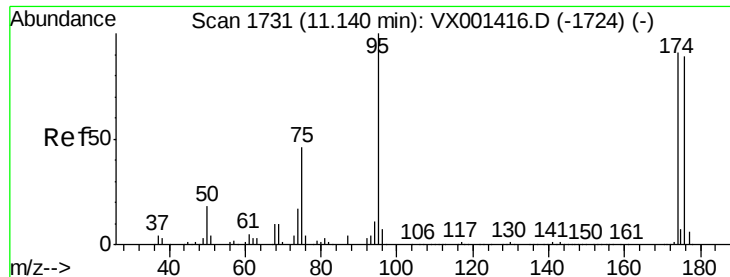
Tgt Ion: 98 Resp: 590955
Ion Ratio Lower Upper
98 100
100 66.1 54.0 81.0



#54
cis-1,3-Dichloropropene
Concen: 2.27 ug/l
RT: 9.04 min Scan# 1387
Delta R.T. -0.01 min
Lab File: VX001465.D
Acq: 07 May 2018 14:53

Tgt Ion: 75 Resp: 21
Ion Ratio Lower Upper
75 100
77 0.0 25.5 38.3#
39 0.0 38.9 58.3#

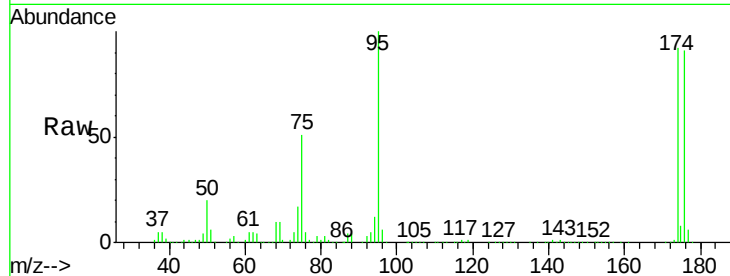




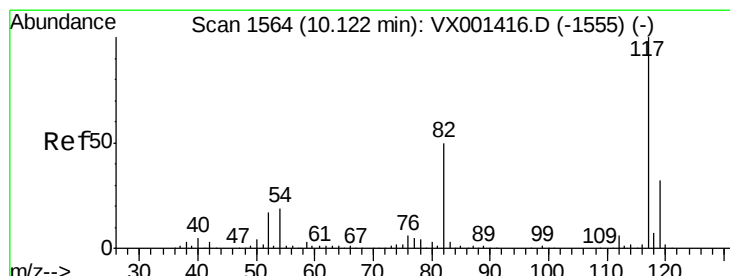
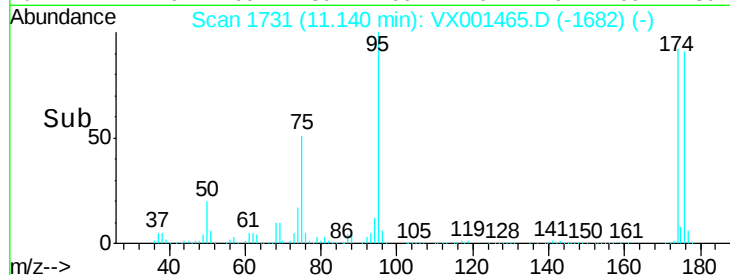
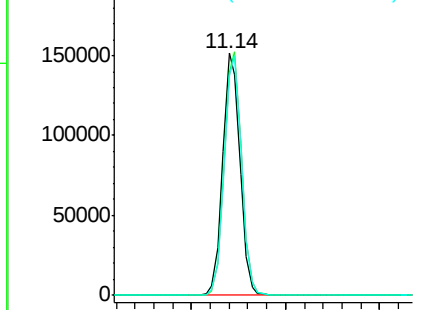
#62
4-Bromofluorobenzene
Concen: 43.26 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX001465.D
Acq: 07 May 2018 14:53

Instrument :
MSVOA_X
ClientSampleId :
BPS1-TT-MW303D-20180428

Tgt Ion: 95 Resp: 191959
Ion Ratio Lower Upper
95 100
174 100.9 0.0 202.0
176 99.1 0.0 197.4

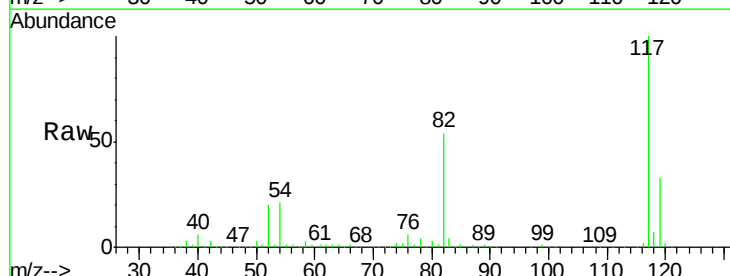


Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

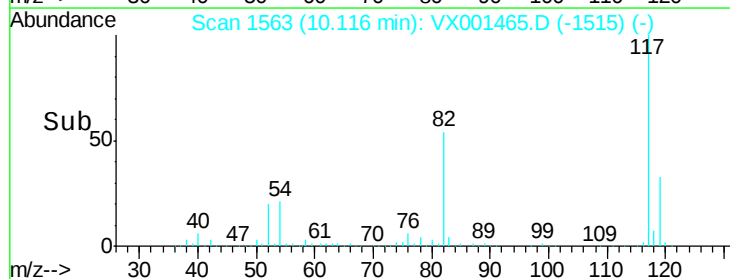
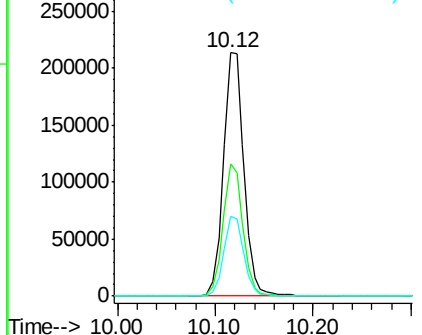


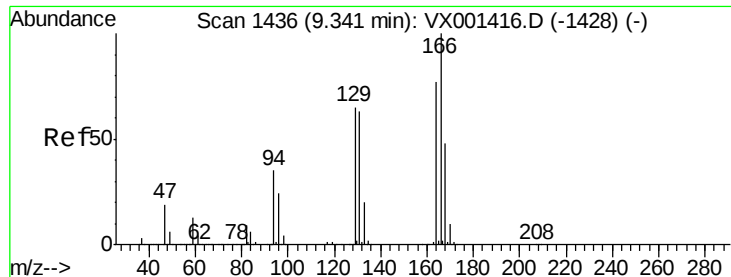
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.01 min
Lab File: VX001465.D
Acq: 07 May 2018 14:53

Tgt Ion: 117 Resp: 309280
Ion Ratio Lower Upper
117 100
82 54.4 40.0 60.0
119 32.6 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: 0.21 ug/l

RT: 9.34 min Scan# 1436

Delta R.T. -0.00 min

Lab File: VX001465.D

Acq: 07 May 2018 14:53

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW303D-20180428

Tgt Ion:164 Resp: 905

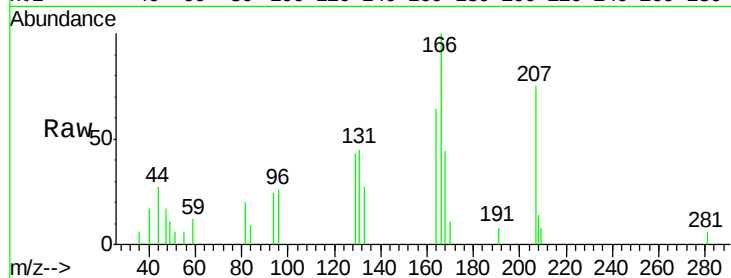
Ion Ratio Lower Upper

164 100

166 155.9 103.5 155.3#

129 67.6 66.7 100.1

131 69.9 64.9 97.3



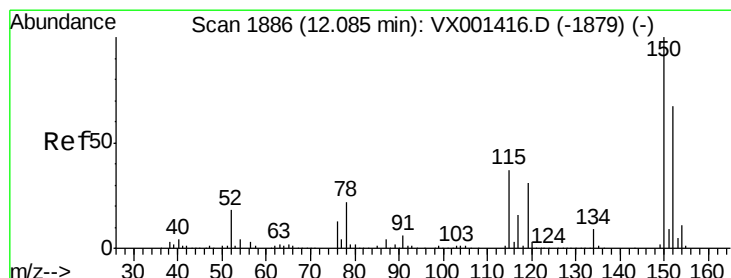
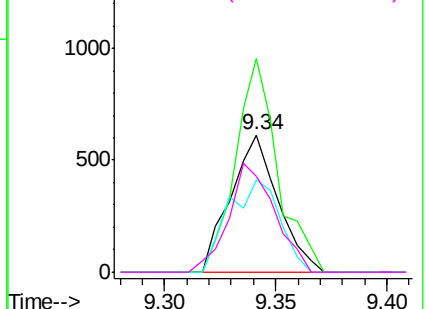
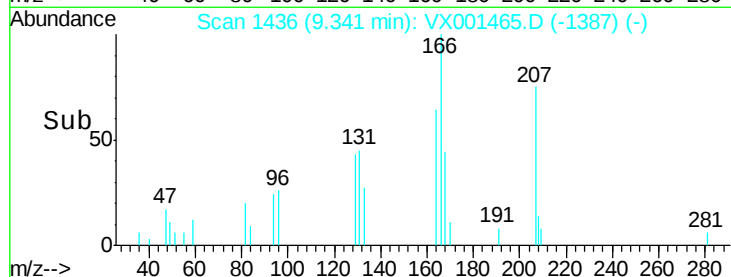
Abundance

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: 12.08 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX001465.D

Acq: 07 May 2018 14:53

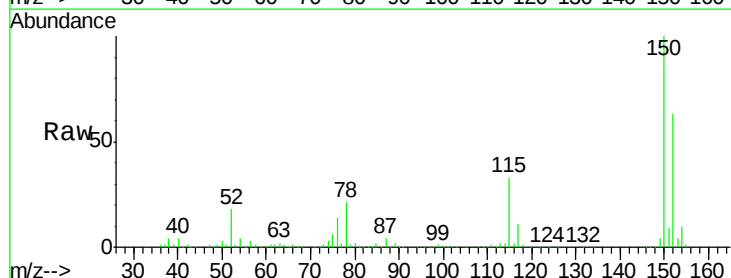
Tgt Ion:152 Resp: 166553

Ion Ratio Lower Upper

152 100

115 52.5 37.7 113.1

150 156.7 0.0 349.4

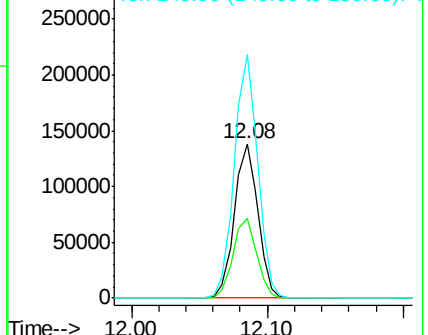
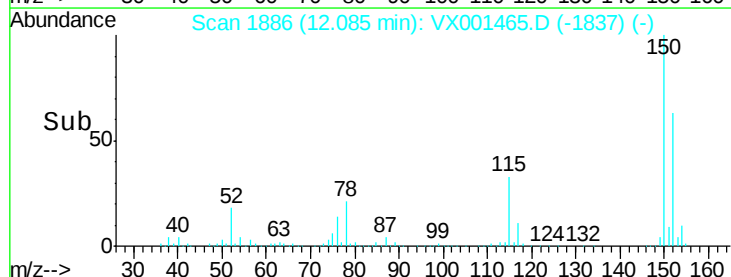


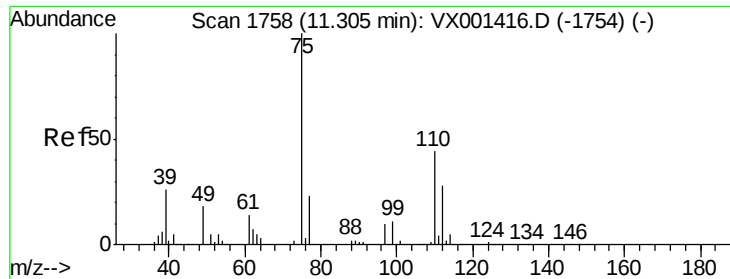
Abundance

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

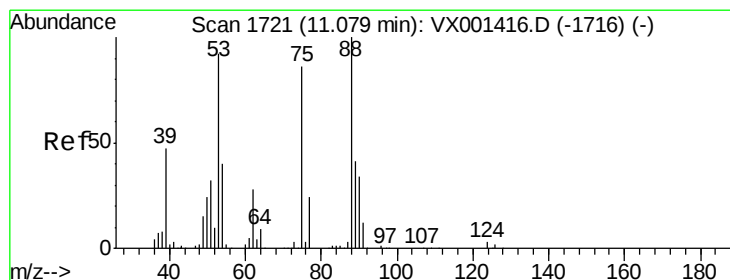
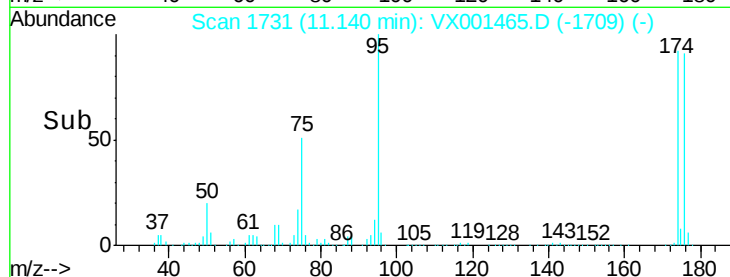
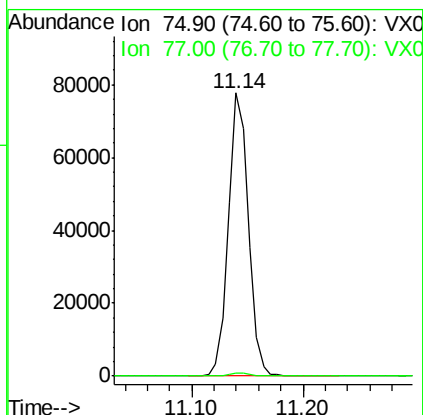
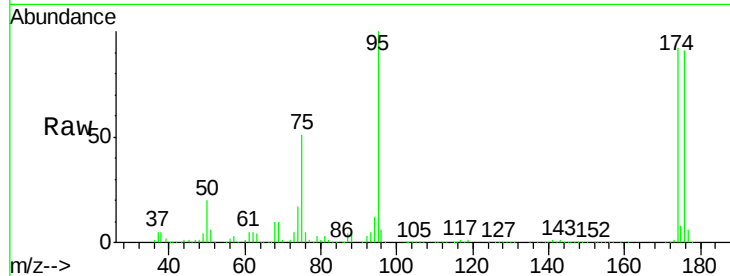




#76
 1,2,3-Trichloropropane
 Concen: 28.55 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX001465.D
 Acq: 07 May 2018 14:53

Instrument :
 MSVOA_X
 ClientSampleId :
 BPS1-TT-MW303D-20180428

Tgt Ion: 75 Resp: 96425
 Ion Ratio Lower Upper
 75 100
 77 1.2 19.6 58.7#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 87.50 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX001465.D
 Acq: 07 May 2018 14:53

Tgt Ion: 75 Resp: 96425
 Ion Ratio Lower Upper
 75 100
 53 0.0 84.5 126.7#
 89 0.0 39.5 59.3#

