

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX050618\
 Data File : VX001447.D
 Acq On : 06 May 2018 16:37
 Operator : JC/MD
 Sample : J2659-10
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BPS1-TT-MW30211-20180428

Quant Time: May 07 07:10:15 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	278241	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	385598	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	335008	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	175535	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	249427	62.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	124.74%	
35) Dibromofluoromethane	5.51	113	193129	56.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.62%	
50) Toluene-d8	8.72	98	636938	50.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.76%	
62) 4-Bromofluorobenzene	11.14	95	207970	43.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.54%	

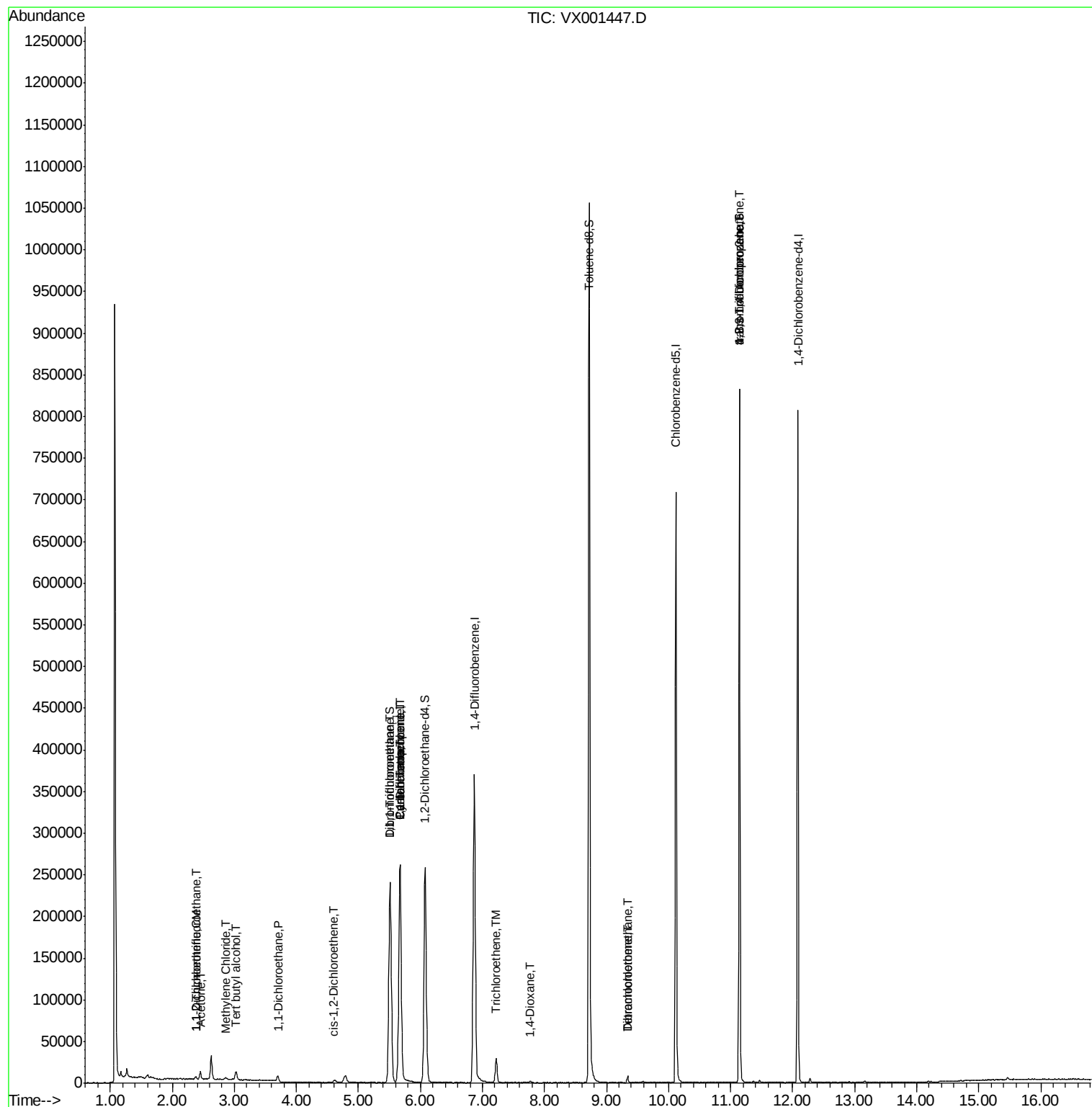
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	1000	Below Cal		86
9) 1,1,2-Trichlorotrifluoroet	2.39	101	780	0.23 ug/l	#	81
11) Tert butyl alcohol	3.03	59	6106	7.24 ug/l	#	81
12) 1,1-Dichloroethene	2.37	96	694	0.23 ug/l		88
13) Acrolein	2.27	56	22	Below Cal	#	1
16) Acetone	2.45	43	9673	5.33 ug/l		99
20) Methylene Chloride	2.86	84	929	0.26 ug/l	#	83
24) 1,1-Dichloroethane	3.70	63	7917	1.32 ug/l		99
27) cis-1,2-Dichloroethene	4.59	96	780	0.21 ug/l	#	1
31) Cyclohexane	5.67	56	5064	0.98 ug/l	#	1
32) 1,1,1-Trichloroethane	5.51	97	2940	0.55 ug/l	#	49
36) 1,1-Dichloropropene	5.67	75	17689	3.61 ug/l	#	49
38) Carbon Tetrachloride	5.67	117	24375	4.66 ug/l	#	17
44) Trichloroethene	7.22	130	11702	2.67 ug/l		99
49) 1,4-Dioxane	7.77	88	983	10.12 ug/l	#	89
60) Dibromochloromethane	9.34	129	1272	0.33 ug/l	#	11
64) Tetrachloroethene	9.34	164	1470	0.31 ug/l	#	79
76) 1,2,3-Trichloropropane	11.14	75	103759	29.15 ug/l	#	38
81) trans-1,4-Dichloro-2-buten	11.14	75	103759	89.24 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: VX001447.D

Acq: 06 May 2018 16:37

Instrument :

MSVOA_X

ClientSampleId :

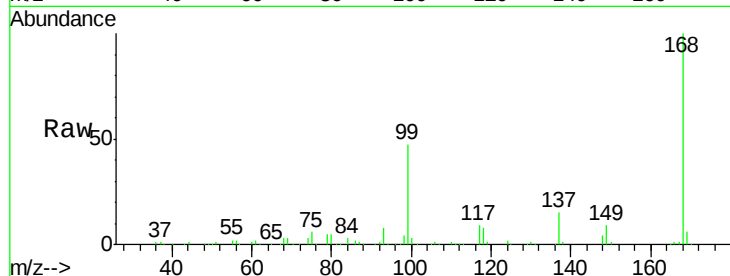
BPS1-TT-MW30211-20180428

Tgt Ion:168 Resp: 278241

Ion Ratio Lower Upper

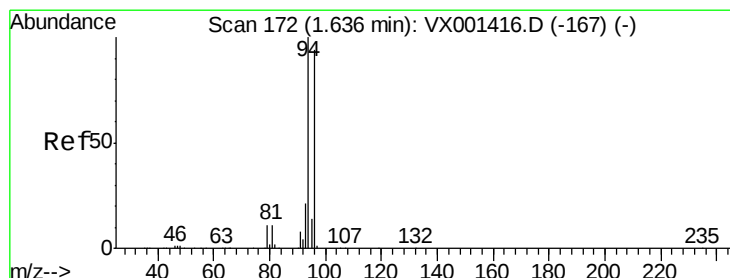
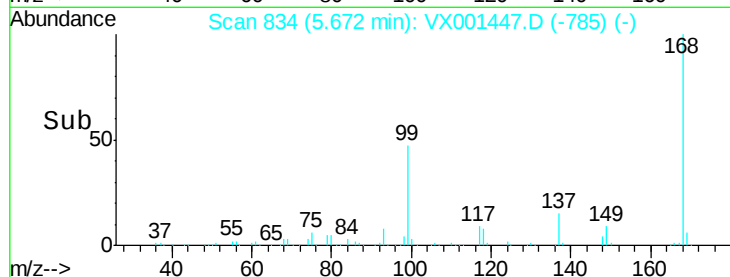
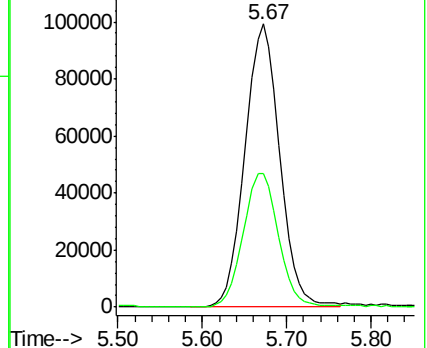
168 100

99 47.1 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: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX001447.D

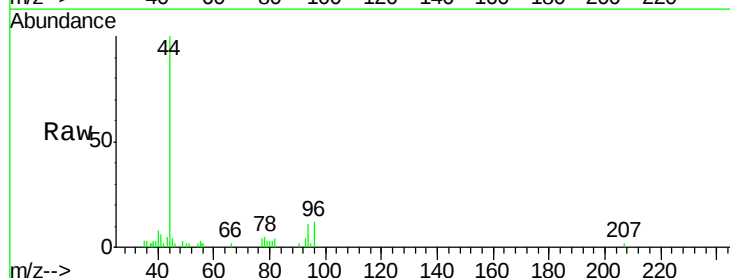
Acq: 06 May 2018 16:37

Tgt Ion: 94 Resp: 1000

Ion Ratio Lower Upper

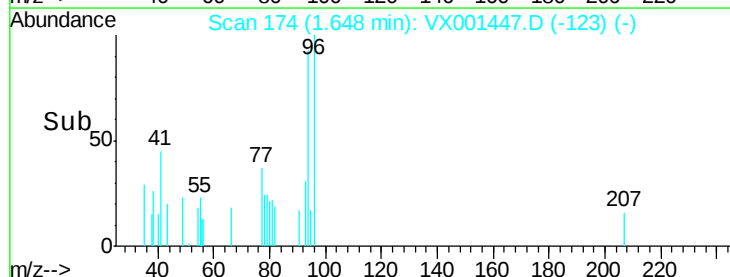
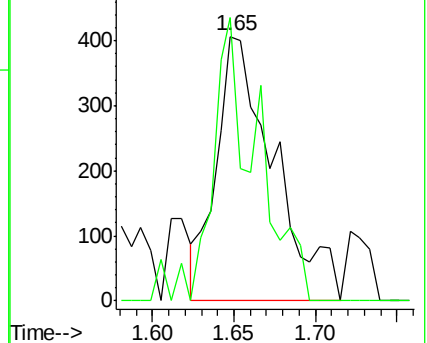
94 100

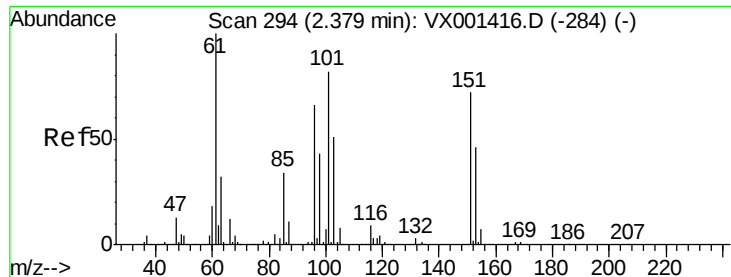
96 107.1 75.0 112.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.23 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.01 min

Lab File: VX001447.D

Acq: 06 May 2018 16:37

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW30211-20180428

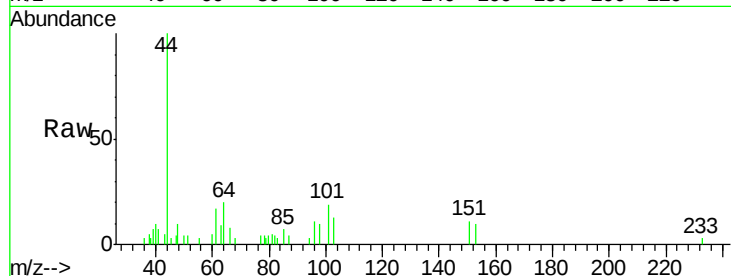
Tgt Ion:101 Resp: 780

Ion Ratio Lower Upper

101 100

85 37.2 33.7 50.5

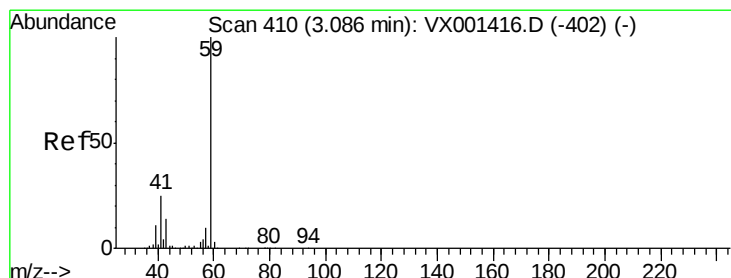
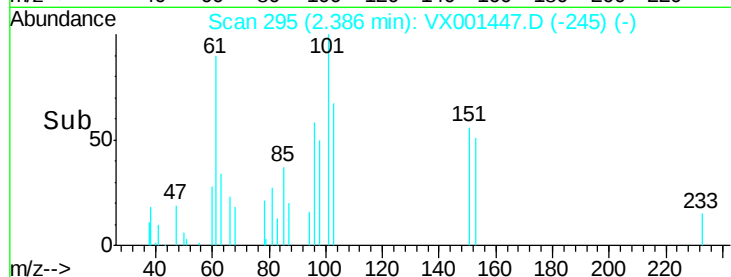
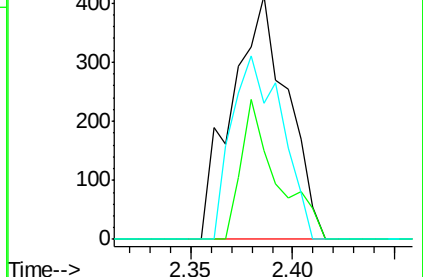
151 67.8 72.3 108.5#



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#11

Tert butyl alcohol

Concen: 7.24 ug/l

RT: 3.03 min Scan# 400

Delta R.T. -0.06 min

Lab File: VX001447.D

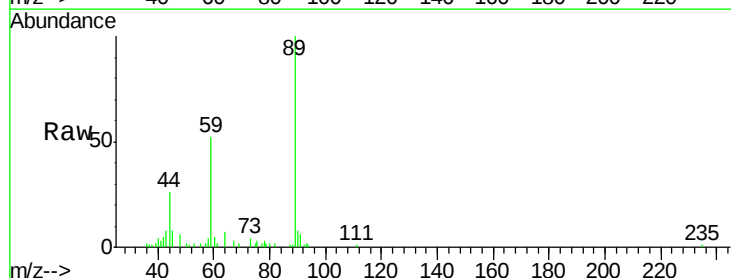
Acq: 06 May 2018 16:37

Tgt Ion: 59 Resp: 6106

Ion Ratio Lower Upper

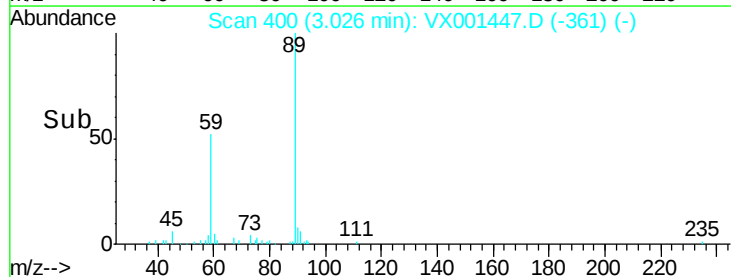
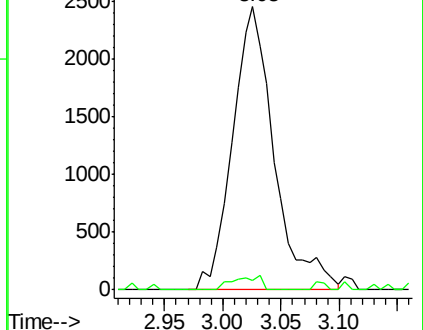
59 100

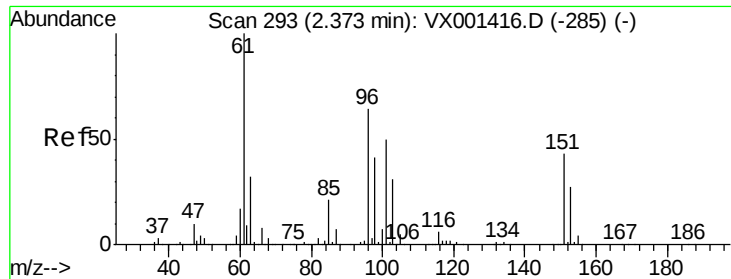
57 3.3 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#12

1,1-Dichloroethene

Concen: 0.23 ug/l

RT: 2.37 min Scan# 293

Delta R.T. 0.00 min

Lab File: VX001447.D

Acq: 06 May 2018 16:37

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW30211-20180428

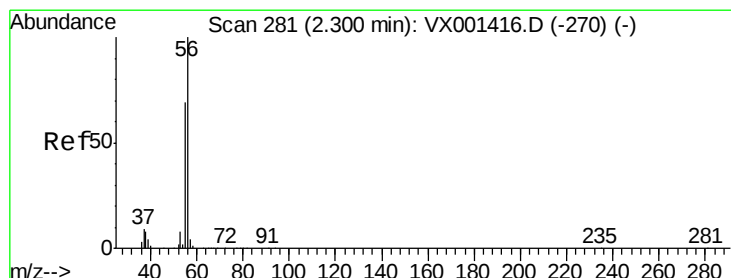
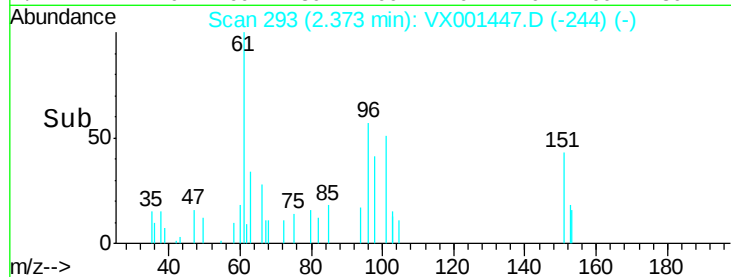
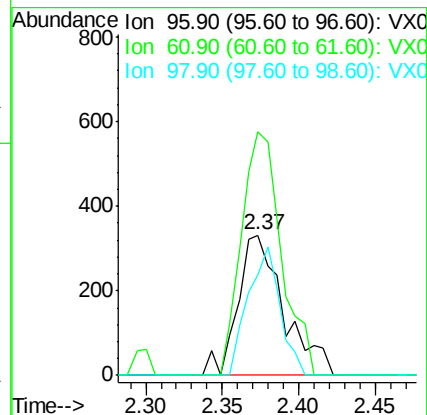
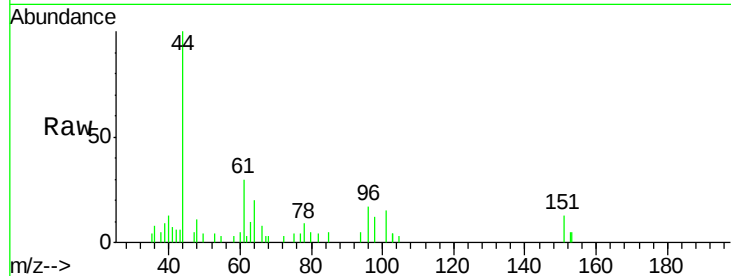
Tgt Ion: 96 Resp: 694

Ion Ratio Lower Upper

96 100

61 174.0 125.7 188.5

98 71.3 52.0 78.0



#13

Acrolein

Concen: Below Cal

RT: 2.27 min Scan# 276

Delta R.T. -0.03 min

Lab File: VX001447.D

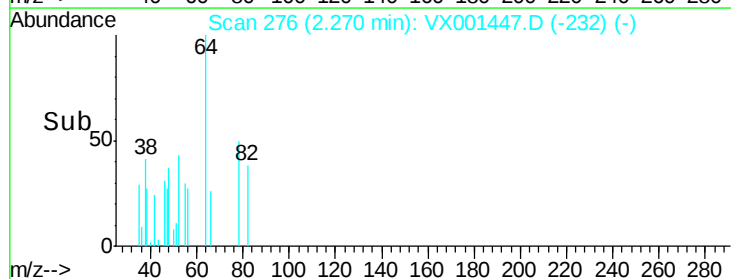
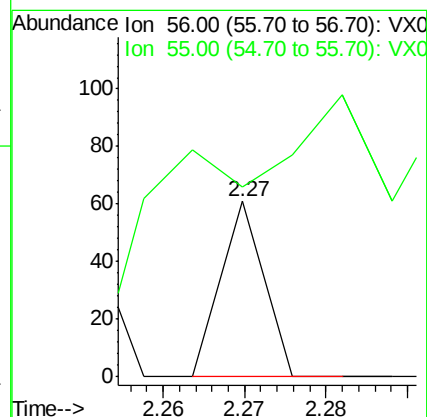
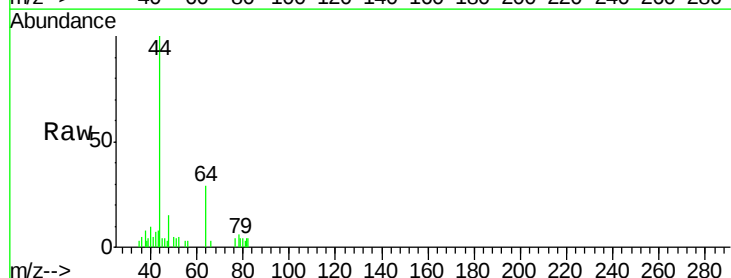
Acq: 06 May 2018 16:37

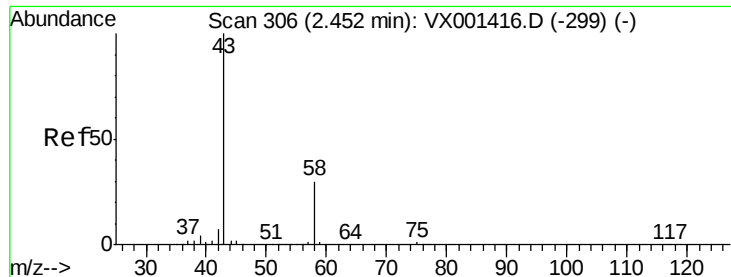
Tgt Ion: 56 Resp: 22

Ion Ratio Lower Upper

56 100

55 736.4 54.5 81.7#





#16

Acetone

Concen: 5.33 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX001447.D

Acq: 06 May 2018 16:37

Instrument :

MSVOA_X

ClientSampleId :

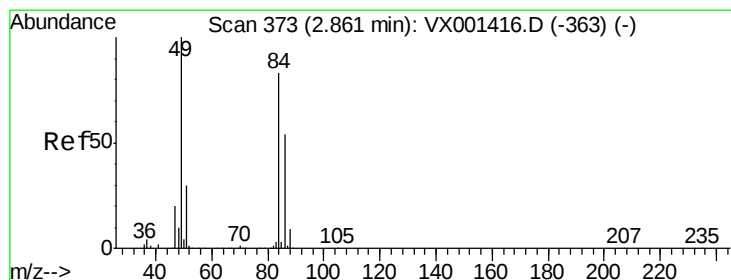
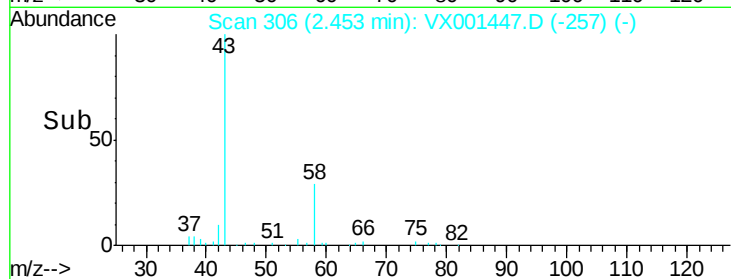
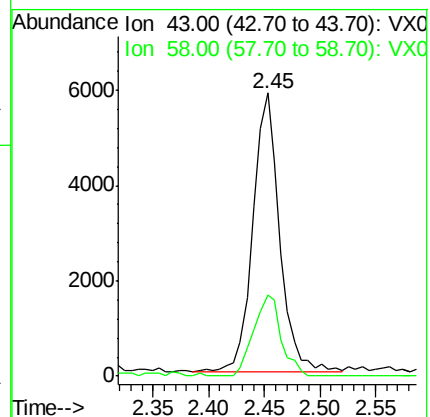
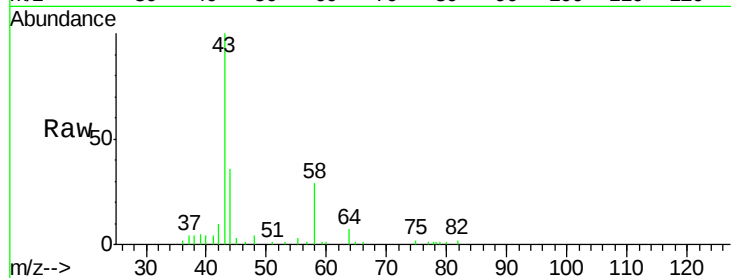
BPS1-TT-MW30211-20180428

Tgt Ion: 43 Resp: 9673

Ion Ratio Lower Upper

43 100

58 29.2 23.8 35.8



#20

Methylene Chloride

Concen: 0.26 ug/l

RT: 2.86 min Scan# 372

Delta R.T. -0.01 min

Lab File: VX001447.D

Acq: 06 May 2018 16:37

Tgt Ion: 84 Resp: 929

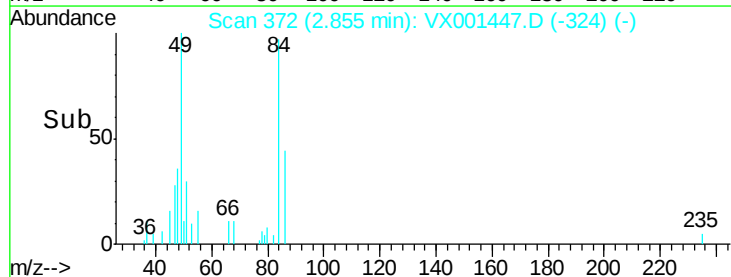
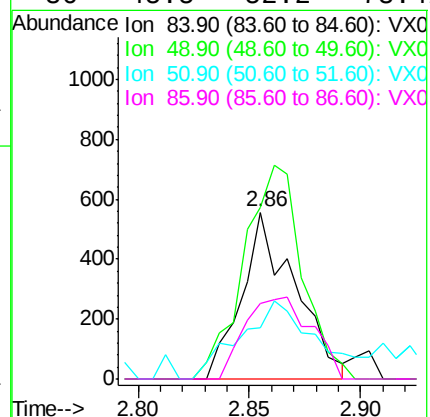
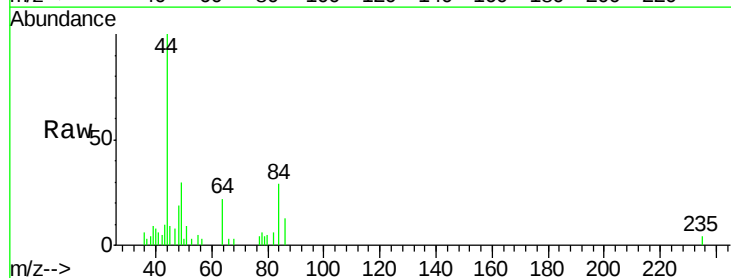
Ion Ratio Lower Upper

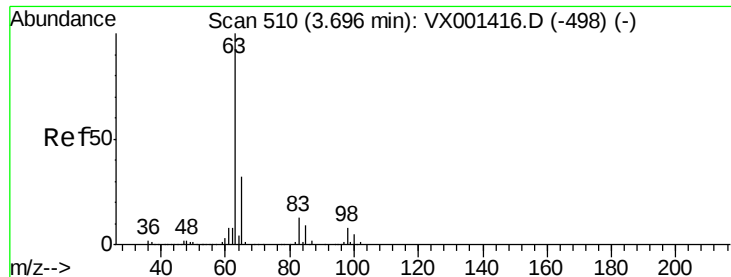
84 100

49 103.1 96.6 144.8

51 30.9 29.0 43.4

86 45.5 52.2 78.4#





#24

1,1-Dichloroethane

Concen: 1.32 ug/l

RT: 3.70 min Scan# 511

Delta R.T. 0.01 min

Lab File: VX001447.D

Acq: 06 May 2018 16:37

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW30211-20180428

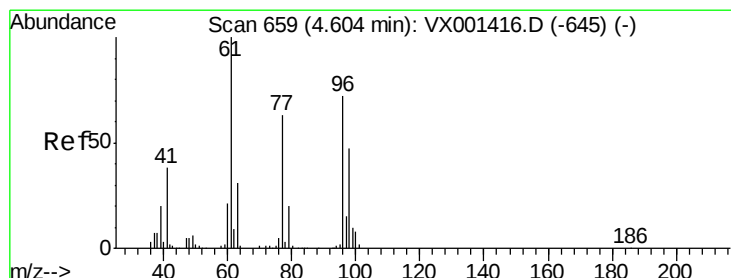
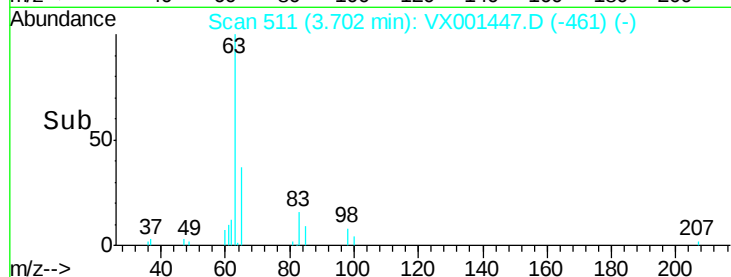
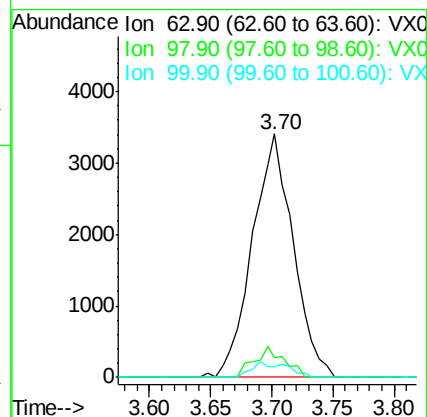
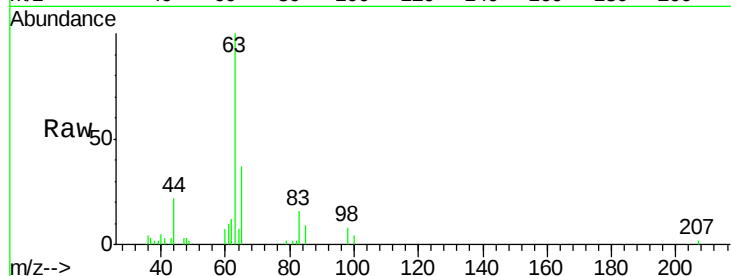
Tgt Ion: 63 Resp: 7917

Ion Ratio Lower Upper

63 100

98 8.0 3.8 11.4

100 4.5 2.4 7.1



#27

cis-1,2-Dichloroethene

Concen: 0.21 ug/l

RT: 4.59 min Scan# 657

Delta R.T. -0.01 min

Lab File: VX001447.D

Acq: 06 May 2018 16:37

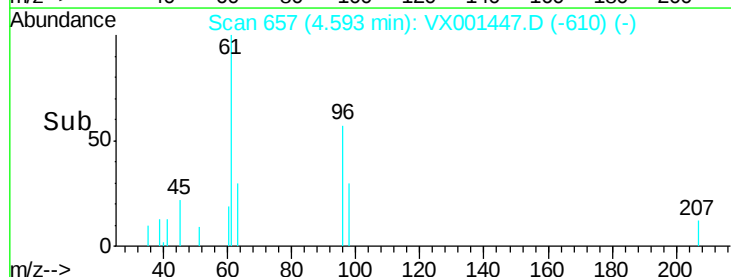
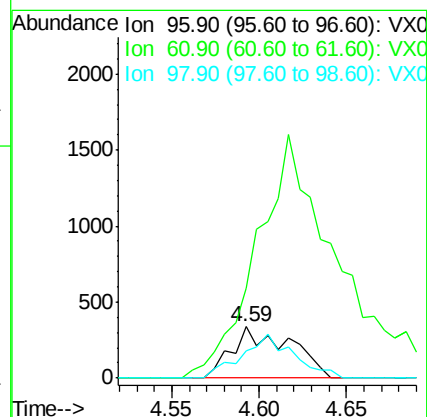
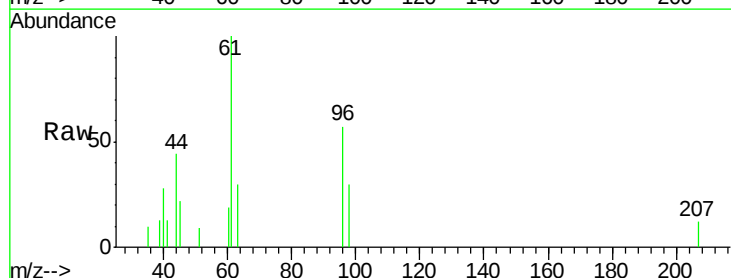
Tgt Ion: 96 Resp: 780

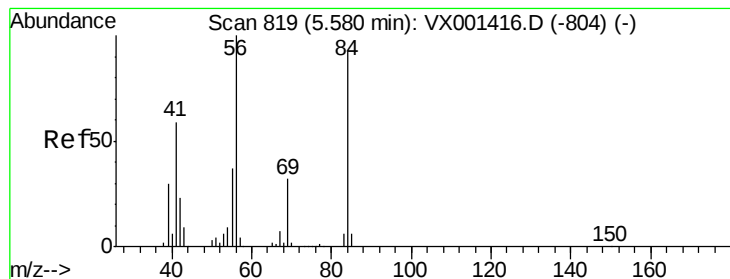
Ion Ratio Lower Upper

96 100

61 0.0 0.0 301.6

98 0.0 0.0 131.6





#31

Cyclohexane

Concen: 0.98 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.09 min

Lab File: VX001447.D

Acq: 06 May 2018 16:37

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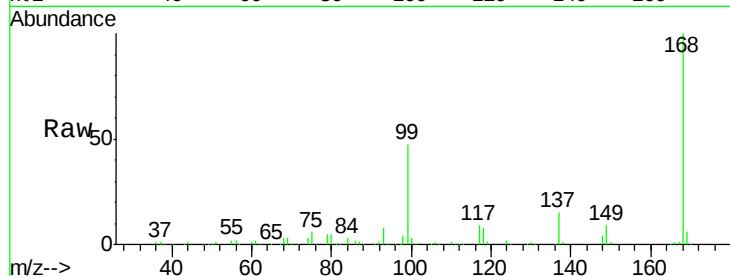
Tgt Ion: 56 Resp: 5064

Ion Ratio Lower Upper

56 100

69 150.2 25.4 38.0#

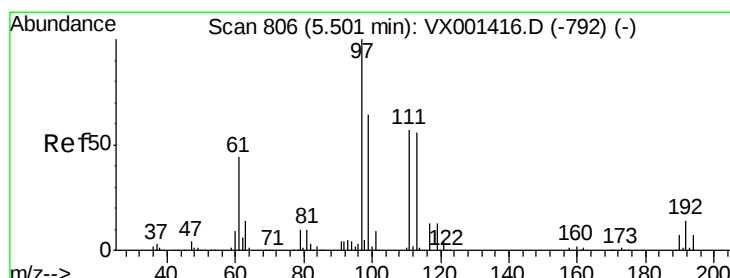
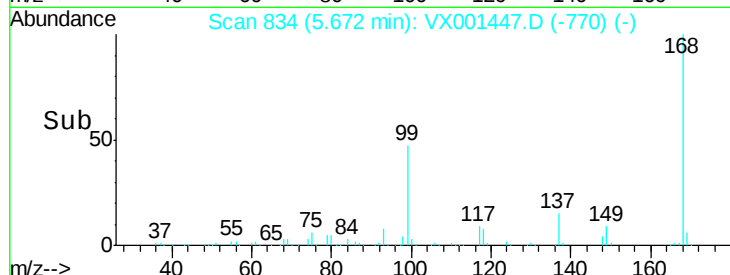
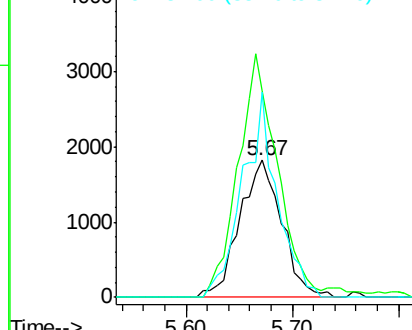
84 149.7 73.8 110.8#



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



#32

1,1,1-Trichloroethane

Concen: 0.55 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.01 min

Lab File: VX001447.D

Acq: 06 May 2018 16:37

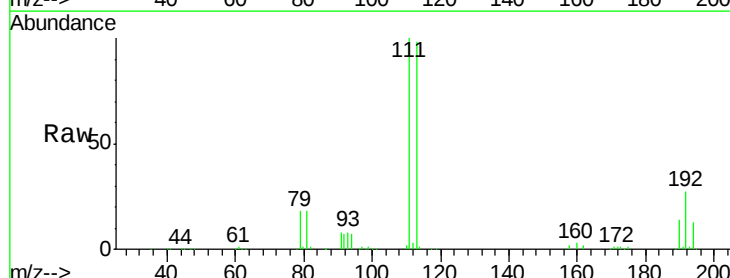
Tgt Ion: 97 Resp: 2940

Ion Ratio Lower Upper

97 100

99 0.0 51.3 76.9#

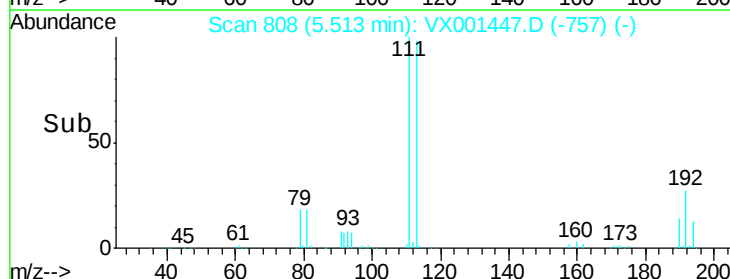
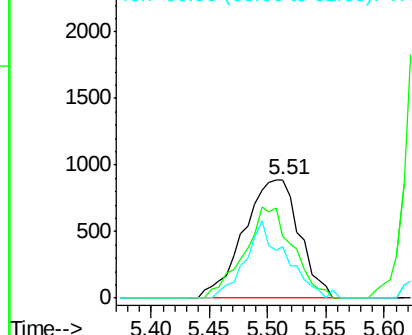
61 47.5 34.8 52.2

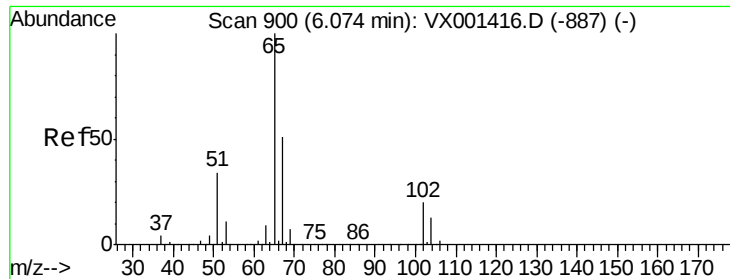


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

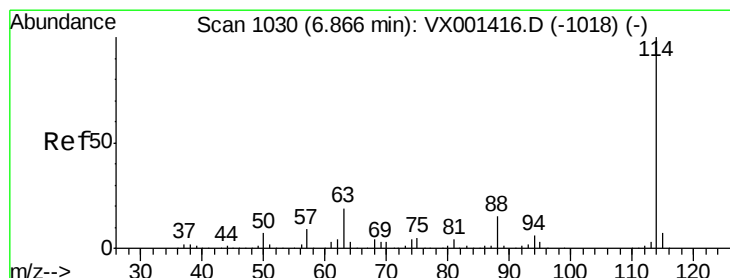
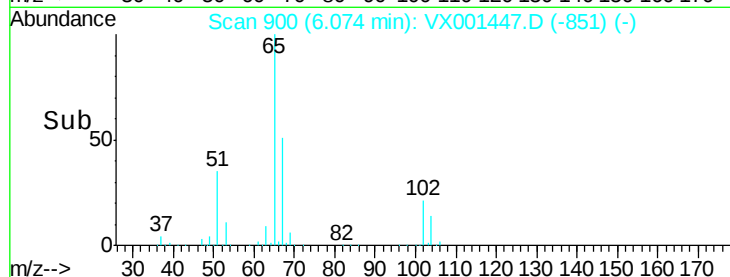
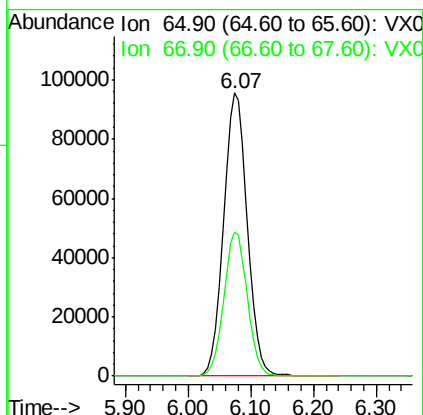
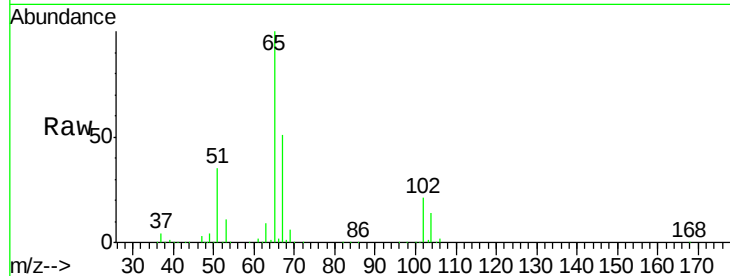




#33
 1,2-Dichloroethane-d4
 Concen: 62.37 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX001447.D
 Acq: 06 May 2018 16:37

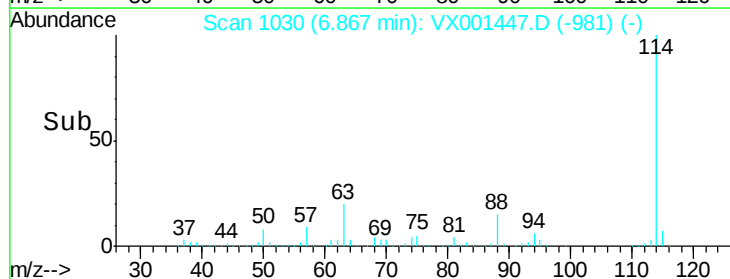
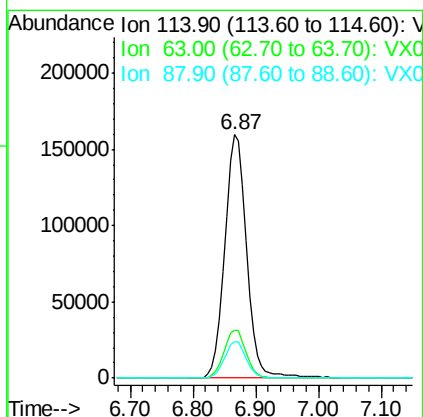
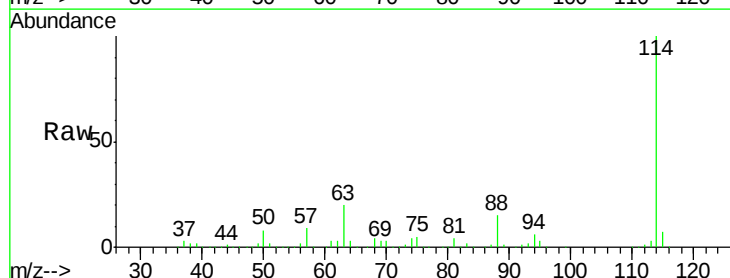
Instrument :
 MSVOA_X
 ClientSampleId :
 BPS1-TT-MW30211-20180428

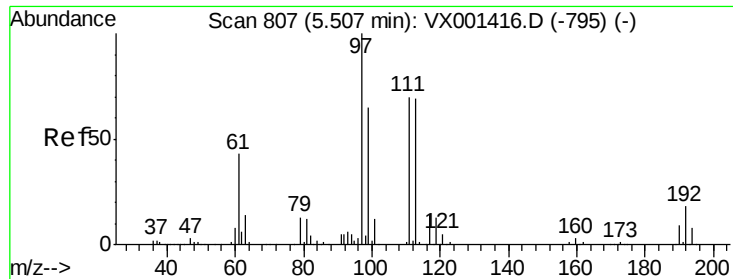
Tgt Ion: 65 Resp: 249427
 Ion Ratio Lower Upper
 65 100
 67 50.5 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX001447.D
 Acq: 06 May 2018 16:37

Tgt Ion: 114 Resp: 385598
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 38.6
 88 15.1 0.0 30.8

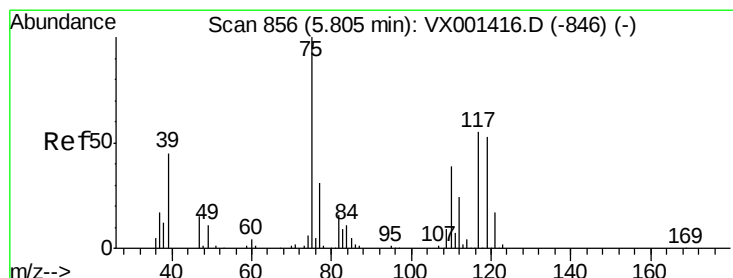
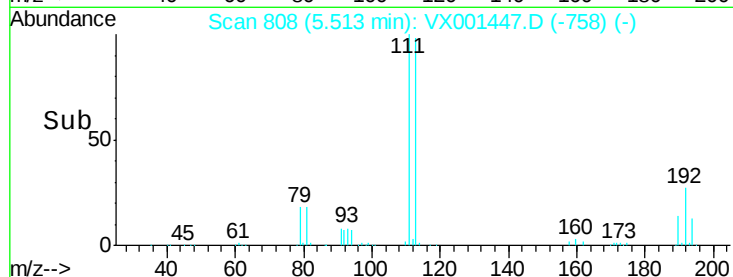
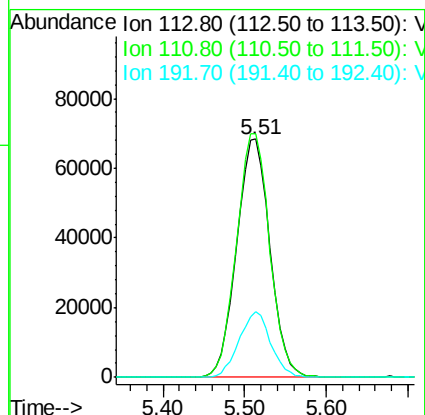
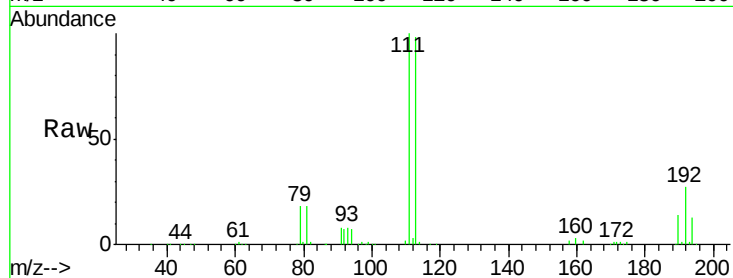




#35
 Dibromofluoromethane
 Concen: 56.31 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. 0.01 min
 Lab File: VX001447.D
 Acq: 06 May 2018 16:37

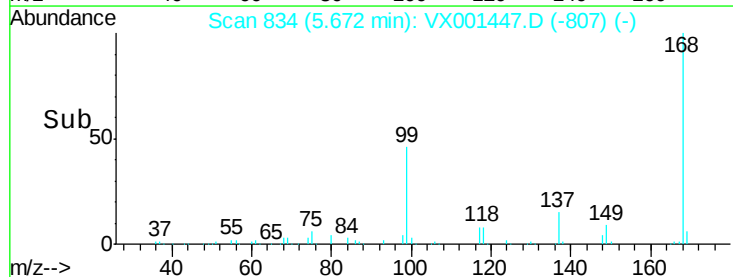
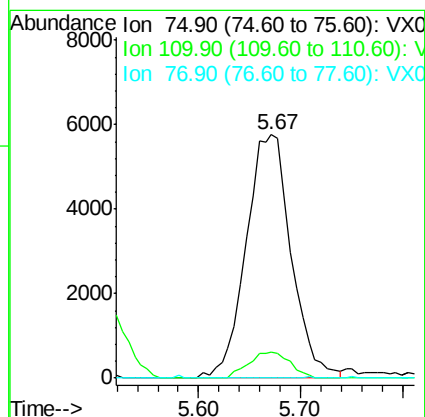
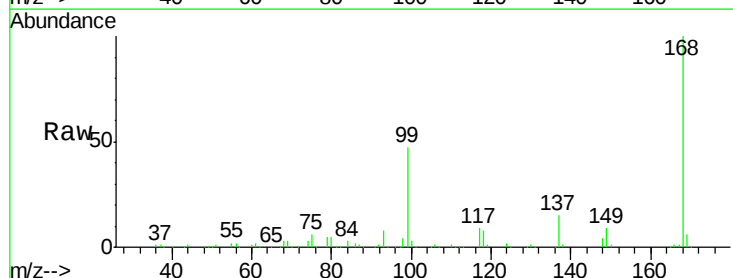
Instrument :
 MSVOA_X
 ClientSampleId :
 BPS1-TT-MW30211-20180428

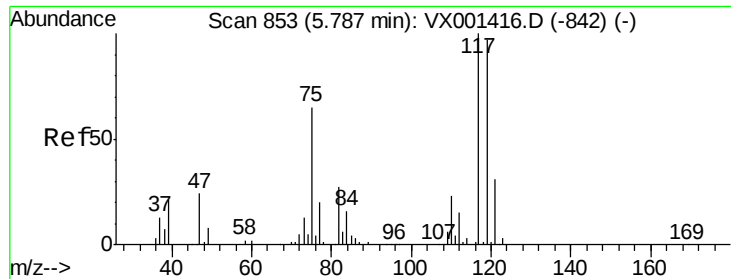
Tgt Ion:113 Resp: 193129
 Ion Ratio Lower Upper
 113 100
 111 102.1 82.2 123.2
 192 26.3 21.4 32.0



#36
 1,1-Dichloropropene
 Concen: 3.61 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.13 min
 Lab File: VX001447.D
 Acq: 06 May 2018 16:37

Tgt Ion: 75 Resp: 17689
 Ion Ratio Lower Upper
 75 100
 110 9.8 18.9 56.7#
 77 0.0 24.9 37.3#





#38

Carbon Tetrachloride

Concen: 4.66 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX001447.D

Acq: 06 May 2018 16:37

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW30211-20180428

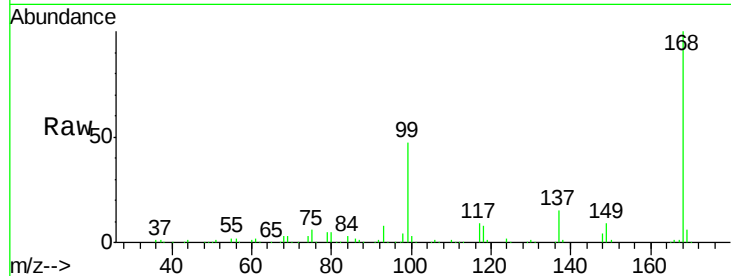
Tgt Ion:117 Resp: 24375

Ion Ratio Lower Upper

117 100

119 6.4 77.0 115.6#

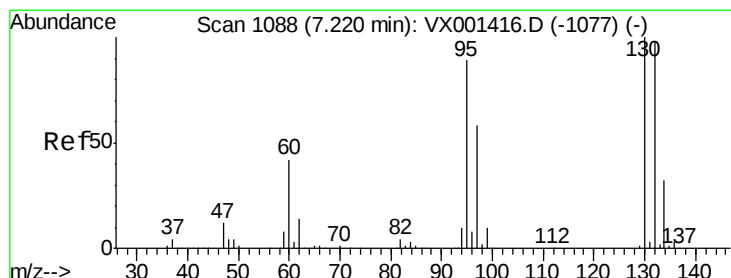
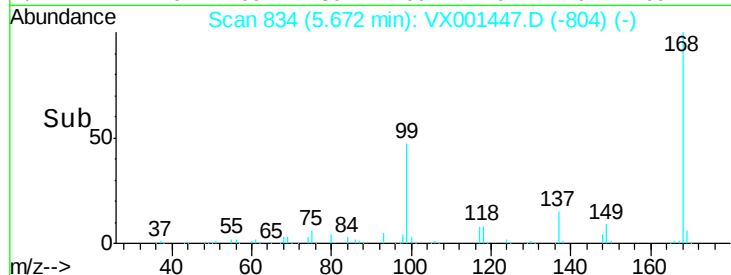
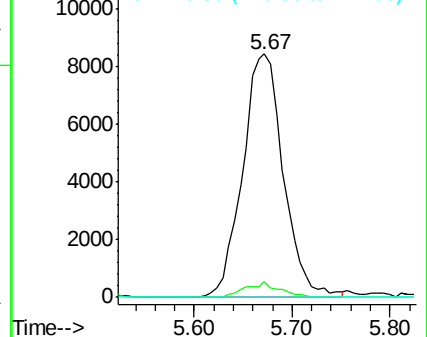
121 0.0 25.1 37.7#



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: 2.67 ug/l

RT: 7.22 min Scan# 1088

Delta R.T. 0.00 min

Lab File: VX001447.D

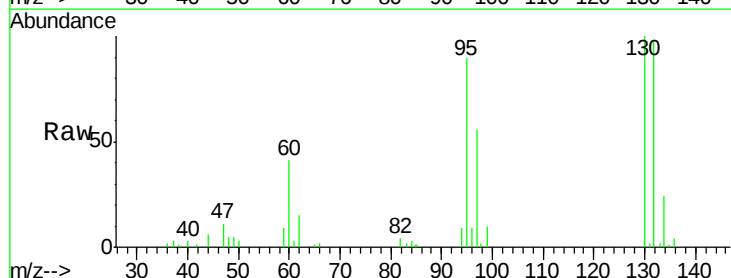
Acq: 06 May 2018 16:37

Tgt Ion:130 Resp: 11702

Ion Ratio Lower Upper

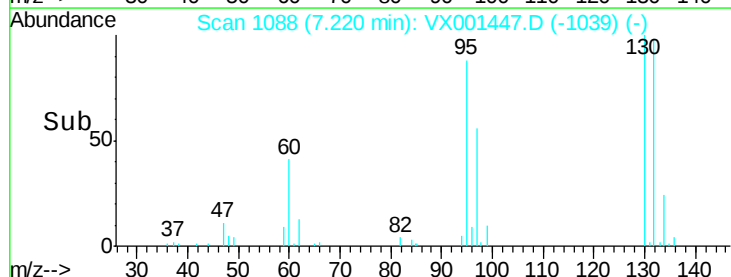
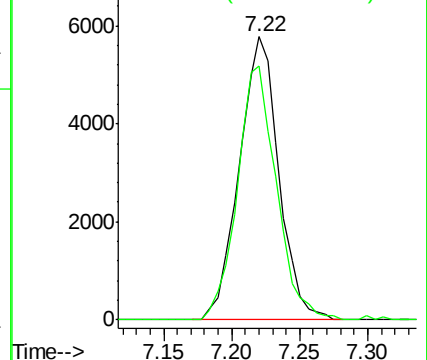
130 100

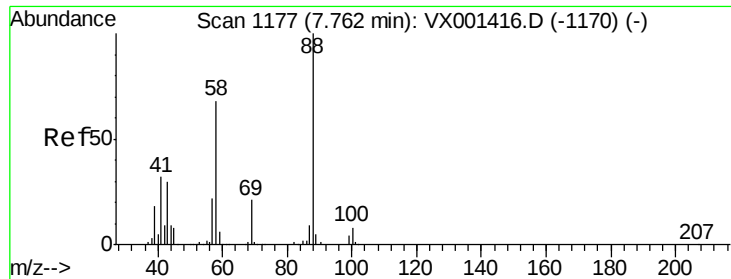
95 89.9 0.0 178.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

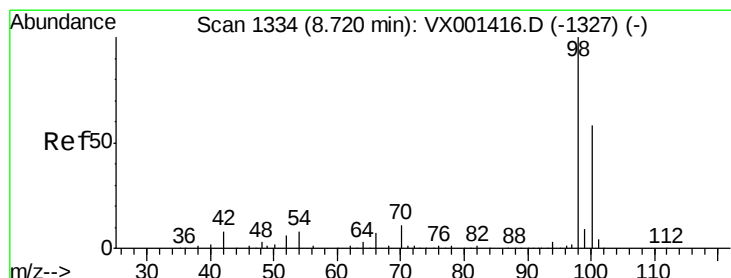
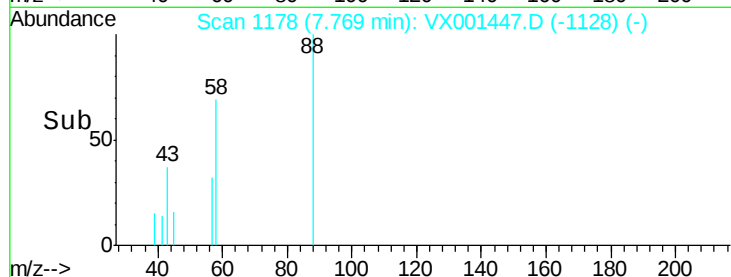
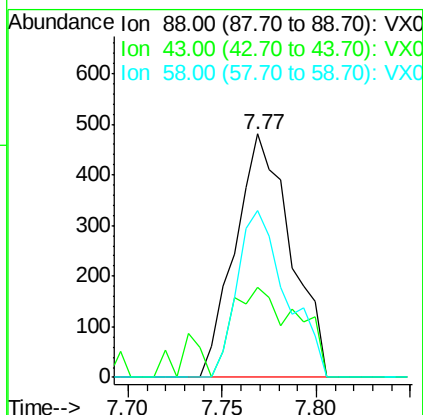
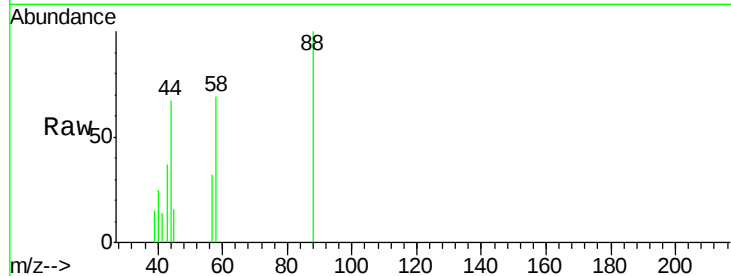




#49
 1,4-Dioxane
 Concen: 10.12 ug/l
 RT: 7.77 min Scan# 1178
 Delta R.T. 0.01 min
 Lab File: VX001447.D
 Acq: 06 May 2018 16:37

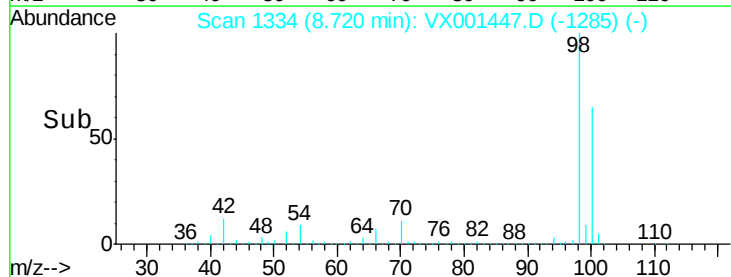
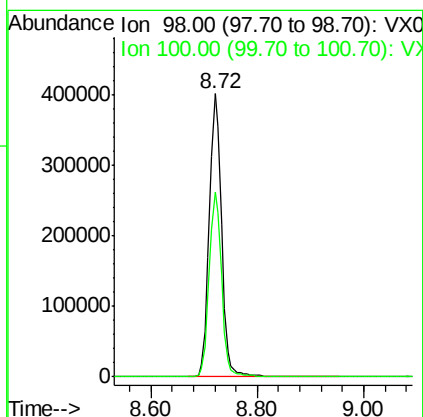
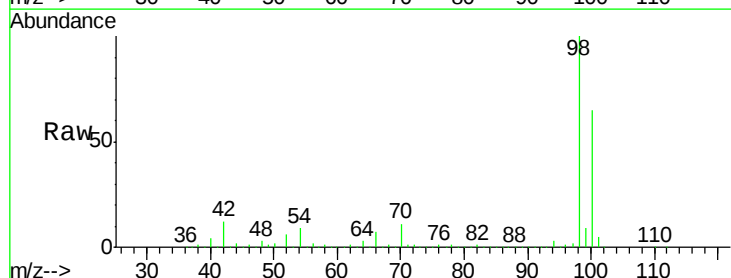
Instrument :
 MSVOA_X
 ClientSampleId :
 BPS1-TT-MW30211-20180428

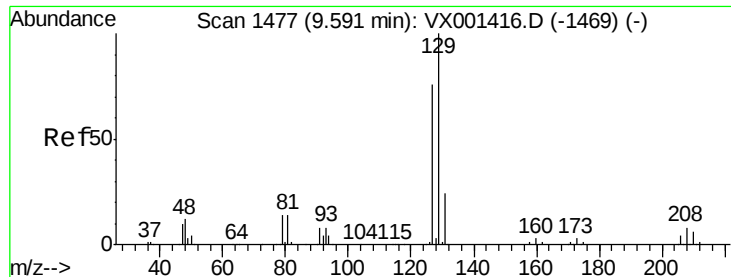
Tgt Ion: 88 Resp: 983
 Ion Ratio Lower Upper
 88 100
 43 42.9 26.4 39.6#
 58 60.8 54.1 81.1



#50
 Toluene-d8
 Concen: 50.88 ug/l
 RT: 8.72 min Scan# 1334
 Delta R.T. 0.00 min
 Lab File: VX001447.D
 Acq: 06 May 2018 16:37

Tgt Ion: 98 Resp: 636938
 Ion Ratio Lower Upper
 98 100
 100 65.8 54.0 81.0





#60

Dibromochloromethane

Concen: 0.33 ug/l

RT: 9.34 min Scan# 1436

Delta R.T. -0.25 min

Lab File: VX001447.D

Acq: 06 May 2018 16:37

Instrument :

MSVOA_X

ClientSampleId :

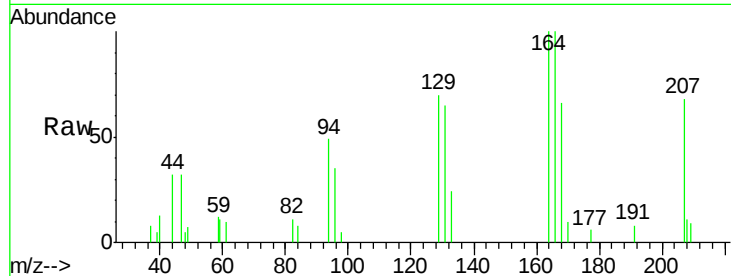
BPS1-TT-MW30211-20180428

Tgt Ion:129 Resp: 1272

Ion Ratio Lower Upper

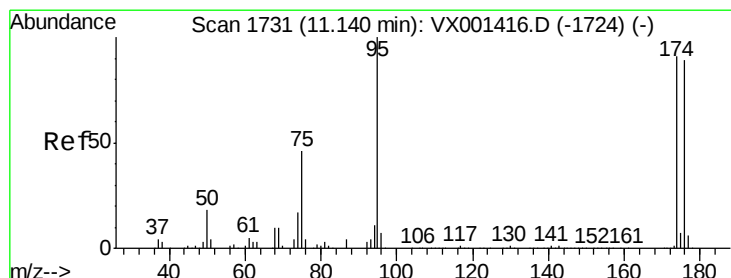
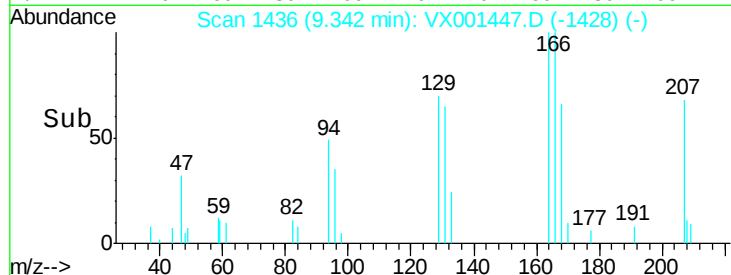
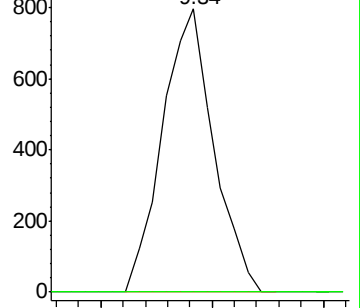
129 100

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: 43.27 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX001447.D

Acq: 06 May 2018 16:37

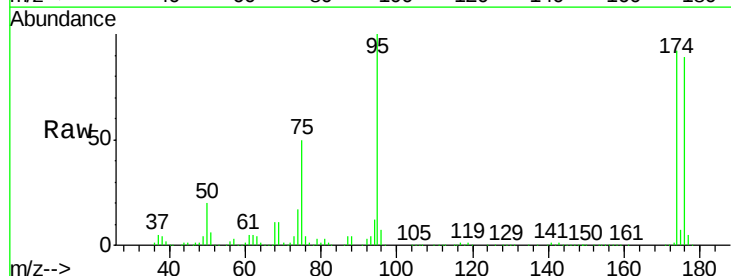
Tgt Ion: 95 Resp: 207970

Ion Ratio Lower Upper

95 100

174 100.6 0.0 202.0

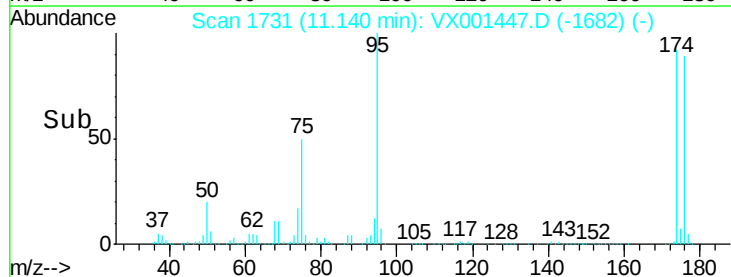
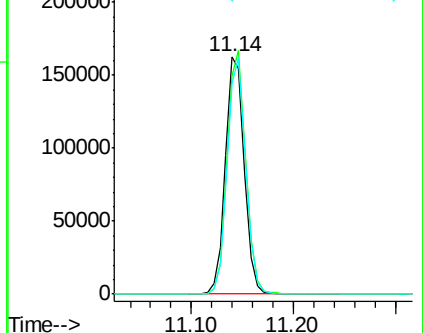
176 97.2 0.0 197.4

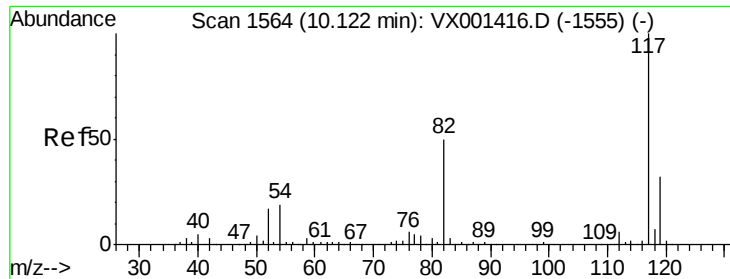


Abundance Ion 94.90 (94.60 to 95.60): VX0

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: VX001447.D

Acq: 06 May 2018 16:37

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW30211-20180428

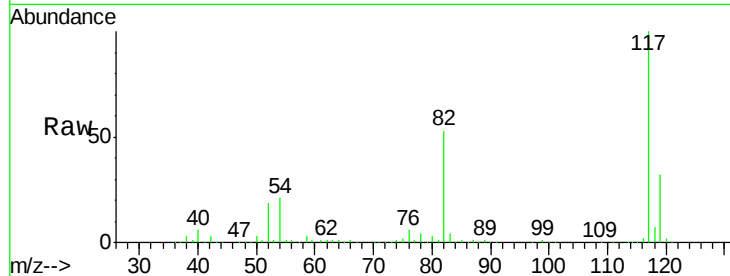
Tgt Ion:117 Resp: 335008

Ion Ratio Lower Upper

117 100

82 53.0 40.0 60.0

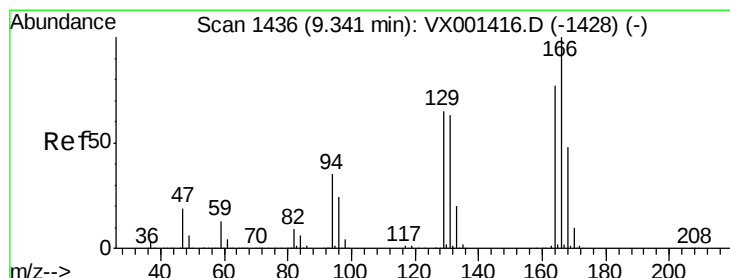
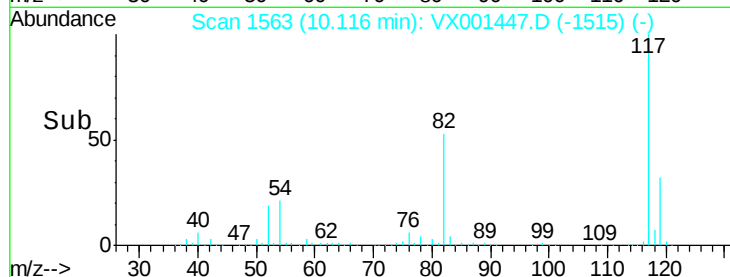
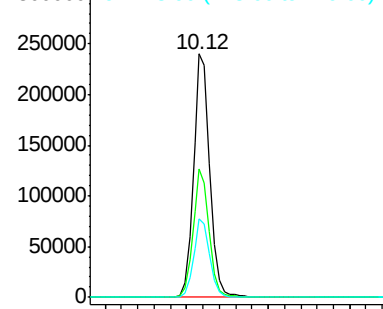
119 32.1 25.8 38.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 0.31 ug/l

RT: 9.34 min Scan# 1436

Delta R.T. 0.00 min

Lab File: VX001447.D

Acq: 06 May 2018 16:37

Tgt Ion:164 Resp: 1470

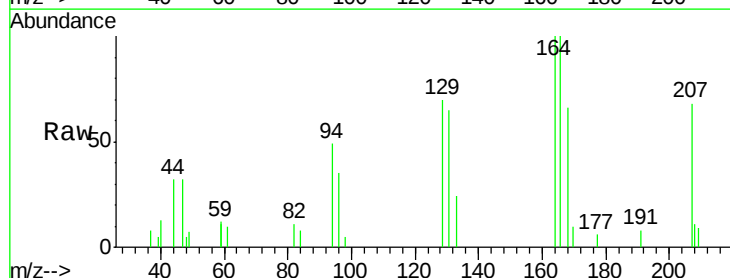
Ion Ratio Lower Upper

164 100

166 100.0 103.5 155.3#

129 69.7 66.7 100.1

131 64.6 64.9 97.3#

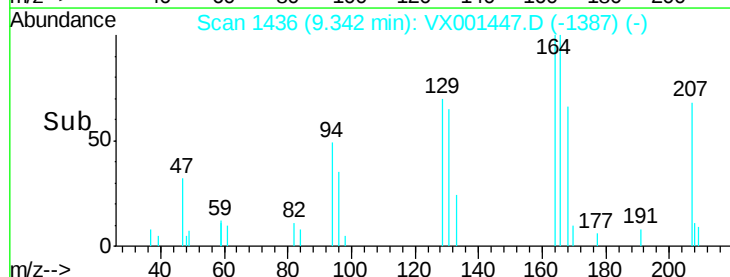
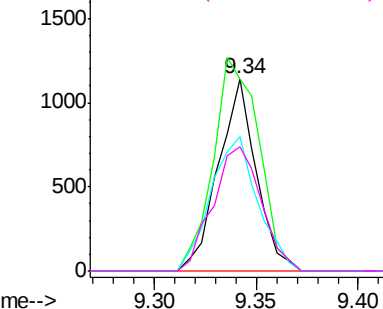


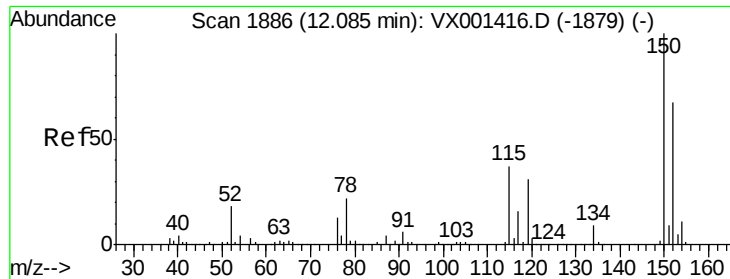
Abundance Ion 163.80 (163.50 to 164.50): V

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: VX001447.D

Acq: 06 May 2018 16:37

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW30211-20180428

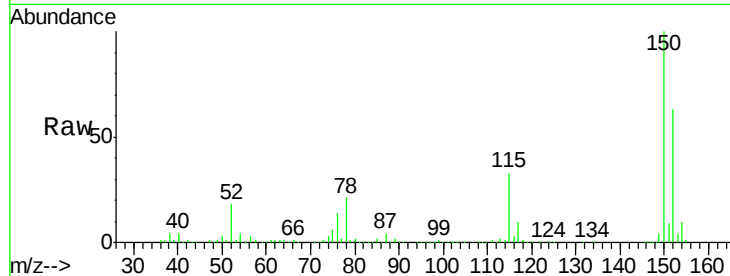
Tgt Ion:152 Resp: 175535

Ion Ratio Lower Upper

152 100

115 53.1 37.7 113.1

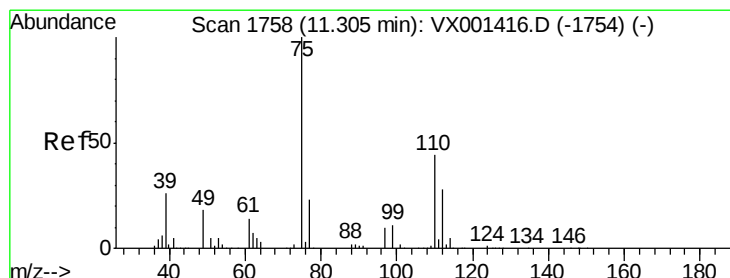
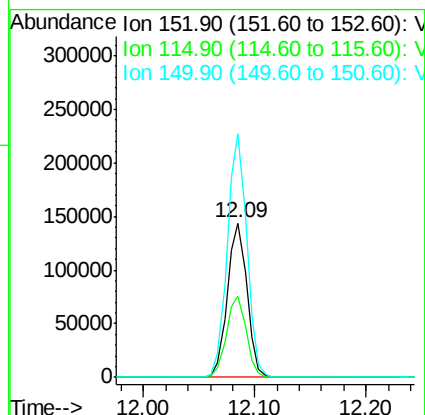
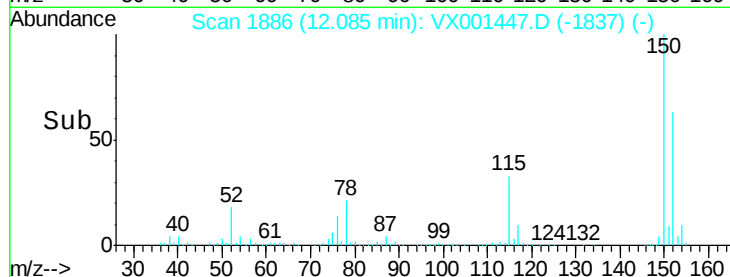
150 156.6 0.0 349.4



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: 29.15 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001447.D

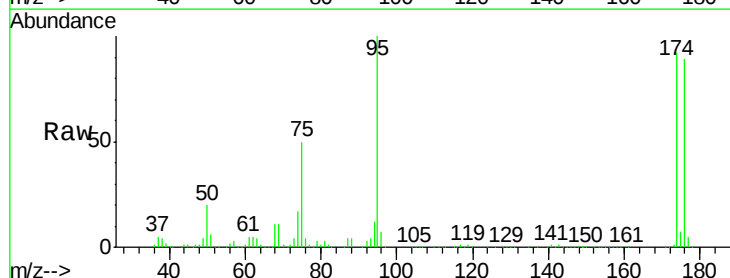
Acq: 06 May 2018 16:37

Tgt Ion: 75 Resp: 103759

Ion Ratio Lower Upper

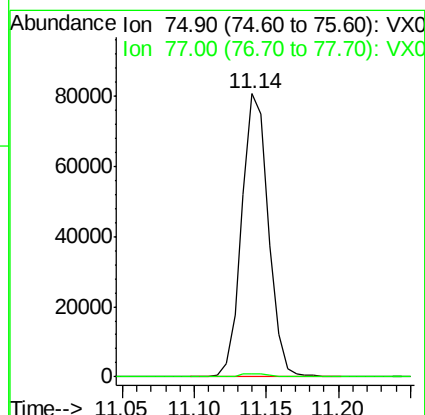
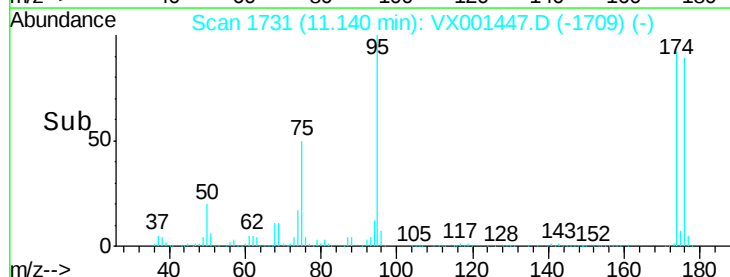
75 100

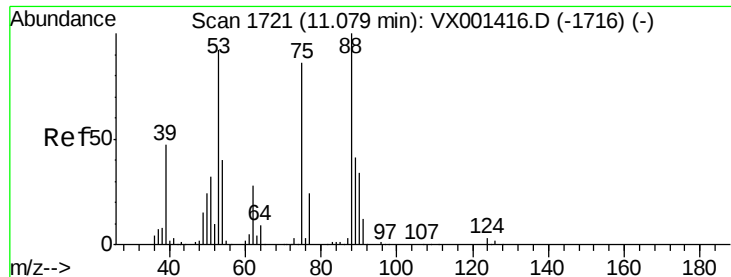
77 1.3 19.6 58.7#



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: 89.24 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX001447.D

Acq: 06 May 2018 16:37

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW30211-20180428

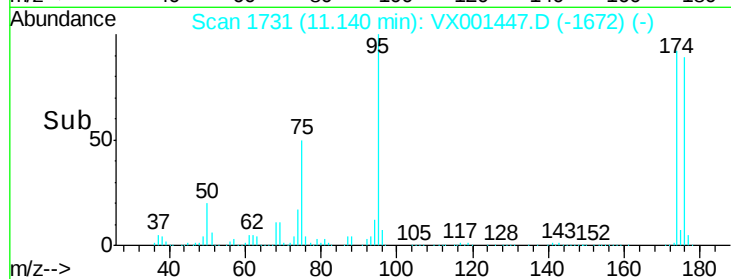
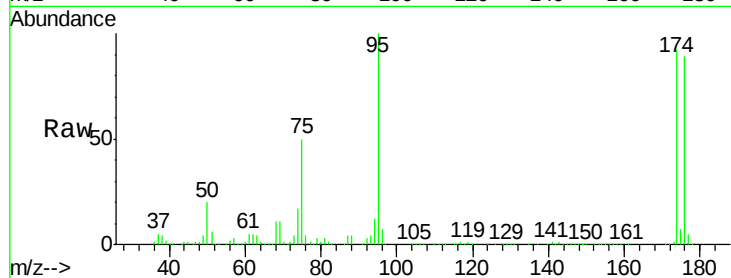
Tgt Ion: 75 Resp: 103759

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

