

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX050718\
 Data File : VX001471.D
 Acq On : 07 May 2018 17:33
 Operator : JC/MD
 Sample : J2659-22
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BPS1-TT-MW311I-20180429

Quant Time: May 08 06:07:49 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	282518	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	390972	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	349174	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	192051	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	242010	59.60	ug/l	0.00
Spiked Amount 50.000			Recovery	=	119.20%	
35) Dibromofluoromethane	5.51	113	186124	53.52	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.04%	
50) Toluene-d8	8.72	98	621851	48.99	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.98%	
62) 4-Bromofluorobenzene	11.14	95	205992	42.27	ug/l	0.00
Spiked Amount 50.000			Recovery	=	84.54%	

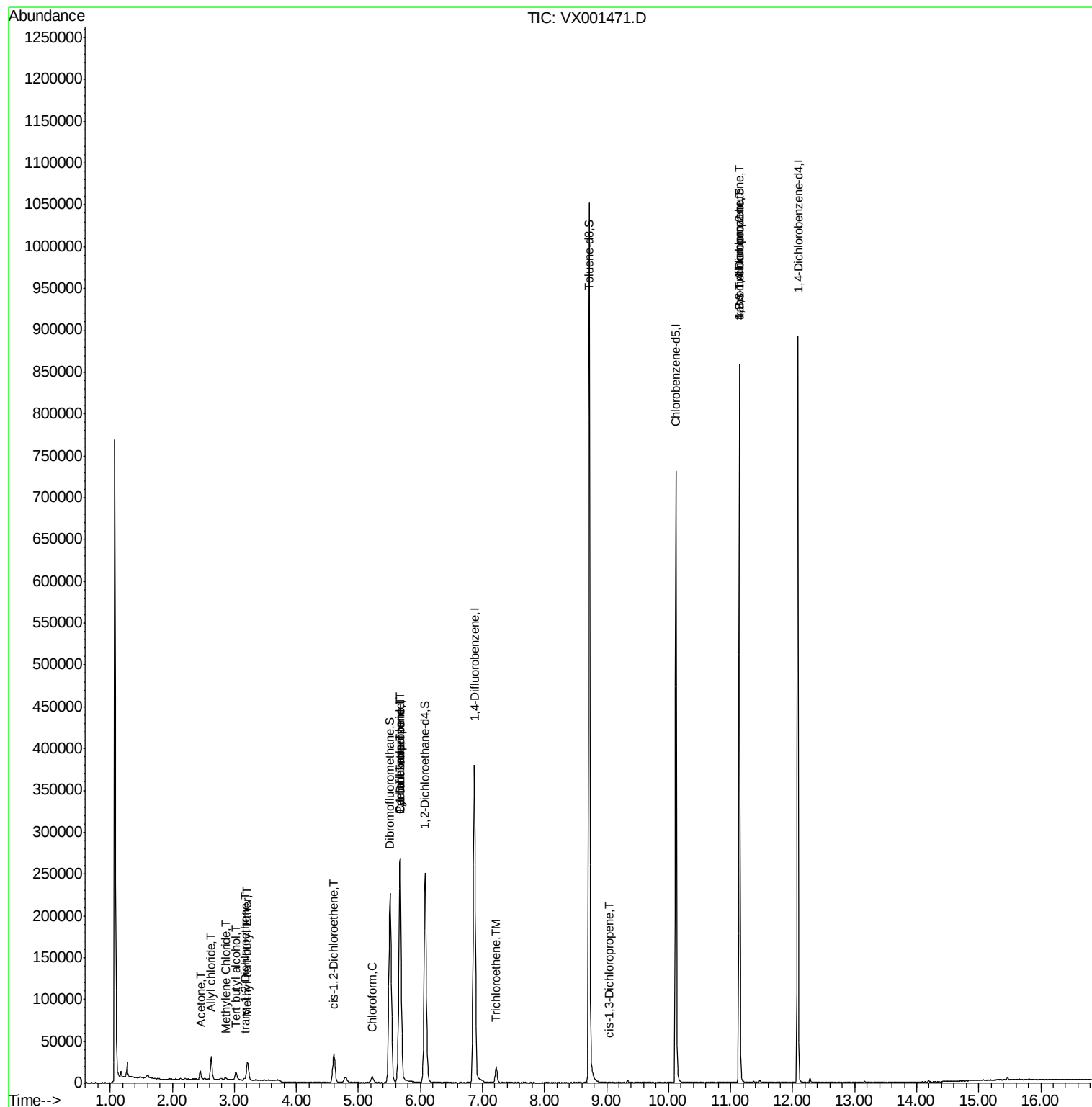
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	817	Below Cal		97
11) Tert butyl alcohol	3.03	59	5965	6.97 ug/l	#	72
13) Acrolein	2.28	56	107	Below Cal	#	16
14) Allyl chloride	2.62	41	2723	0.47 ug/l	#	59
16) Acetone	2.45	43	11014	5.97 ug/l		99
19) Methyl tert-butyl Ether	3.21	73	23495	2.16 ug/l	#	91
20) Methylene Chloride	2.86	84	936	0.26 ug/l	#	91
21) trans-1,2-Dichloroethene	3.17	96	799	0.23 ug/l	#	75
27) cis-1,2-Dichloroethene	4.60	96	21296	5.73 ug/l		93
30) Chloroform	5.22	83	7514	1.20 ug/l		97
31) Cyclohexane	5.67	56	4973	0.95 ug/l	#	4
36) 1,1-Dichloropropene	5.67	75	18031	3.63 ug/l	#	49
38) Carbon Tetrachloride	5.67	117	24431	4.61 ug/l	#	16
44) Trichloroethene	7.22	130	7444	1.68 ug/l		99
54) cis-1,3-Dichloropropene	9.04	75	26	2.27 ug/l	#	25
76) 1,2,3-Trichloropropane	11.14	75	104690	26.88 ug/l	#	38
81) trans-1,4-Dichloro-2-buten	11.14	75	104690	82.64 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: VX001471.D

Acq: 07 May 2018 17:33

Instrument :

MSVOA_X

ClientSampleId :

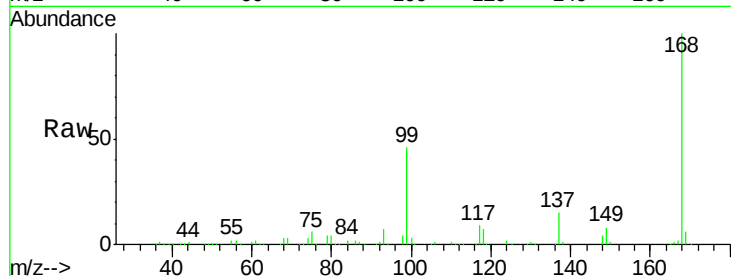
BPS1-TT-MW311I-20180429

Tgt Ion:168 Resp: 282518

Ion Ratio Lower Upper

168 100

99 46.4 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

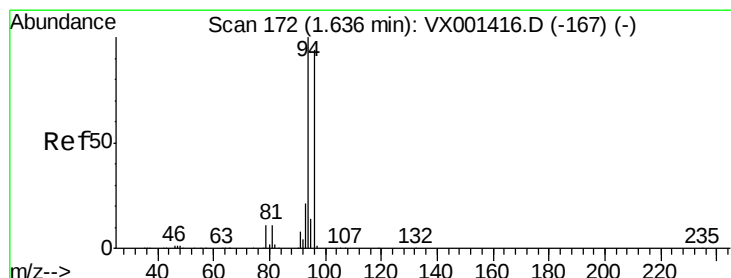
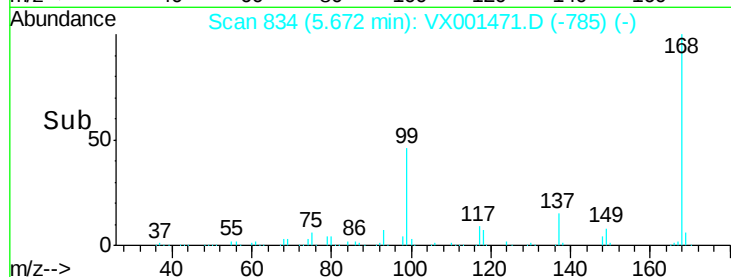
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX001471.D

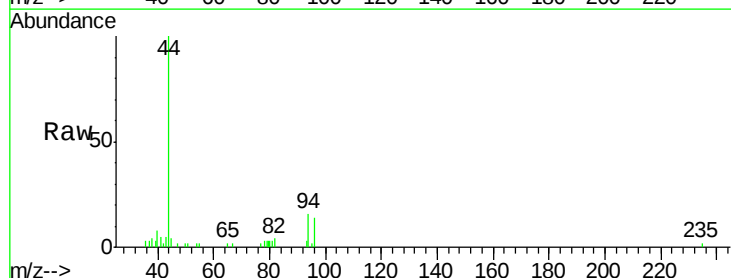
Acq: 07 May 2018 17:33

Tgt Ion: 94 Resp: 817

Ion Ratio Lower Upper

94 100

96 96.7 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

600

500

400

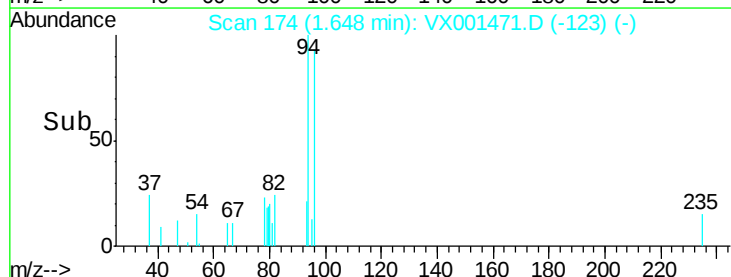
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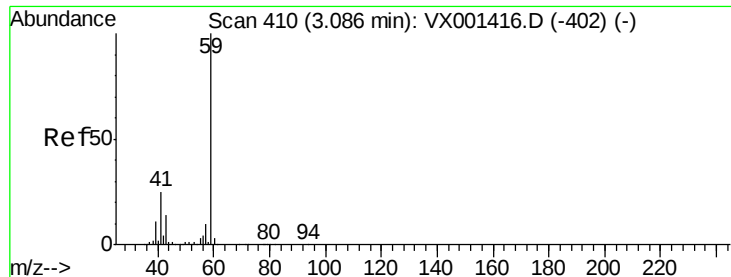
200

100

0

Time-->



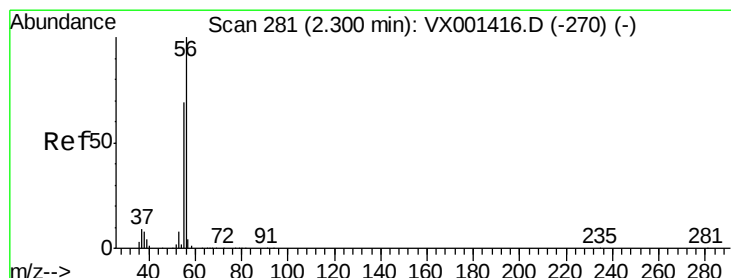
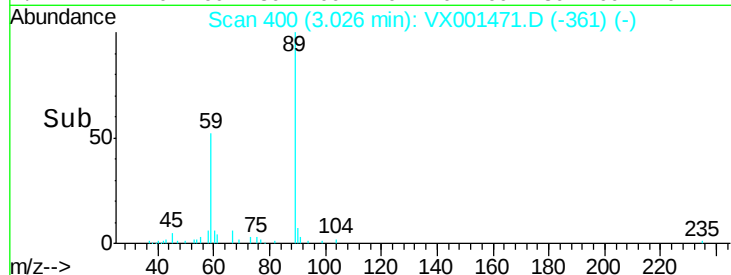
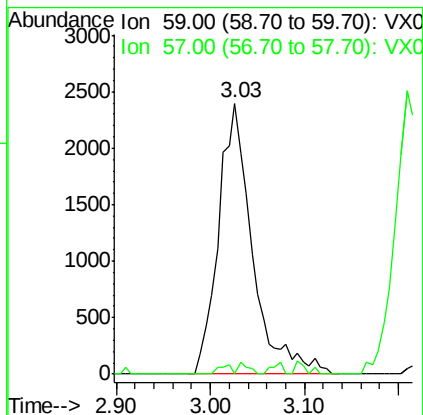
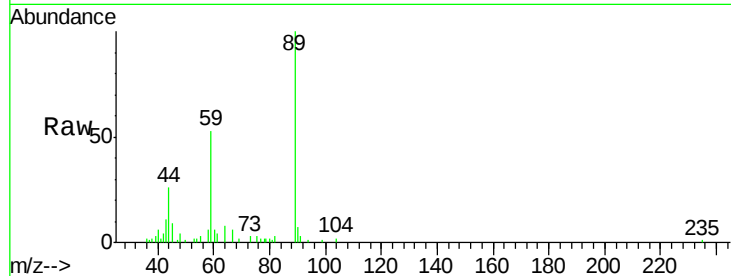


#11

Tert butyl alcohol
 Concen: 6.97 ug/l
 RT: 3.03 min Scan# 400
 Delta R.T. -0.06 min
 Lab File: VX001471.D
 Acq: 07 May 2018 17:33

Instrument :
 MSVOA_X
 ClientSampleId :
 BPS1-TT-MW311I-20180429

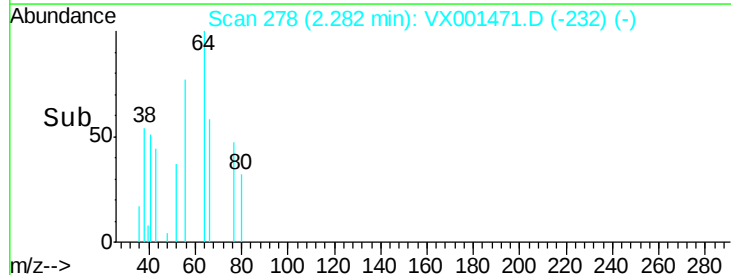
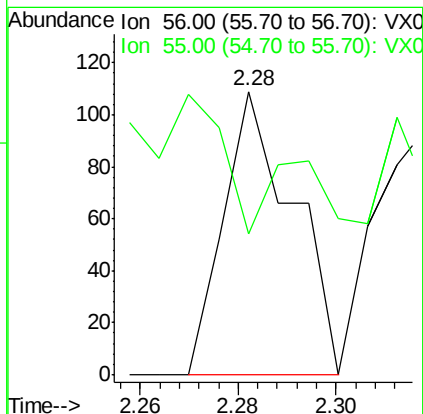
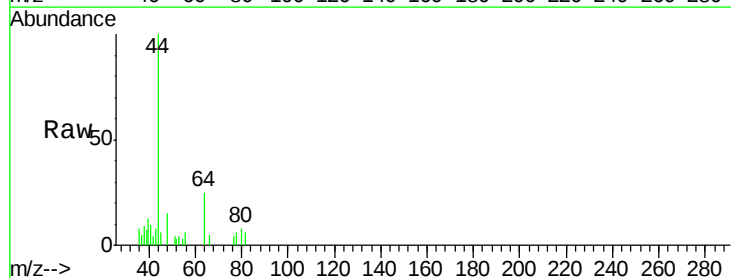
Tgt Ion: 59 Resp: 5965
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.4#

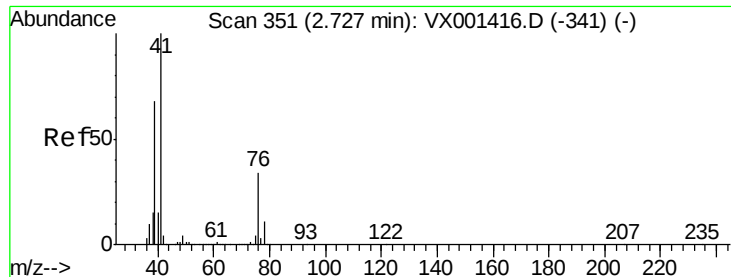


#13

Acrolein
 Concen: Below Cal
 RT: 2.28 min Scan# 278
 Delta R.T. -0.02 min
 Lab File: VX001471.D
 Acq: 07 May 2018 17:33

Tgt Ion: 56 Resp: 107
 Ion Ratio Lower Upper
 56 100
 55 0.0 54.5 81.7#

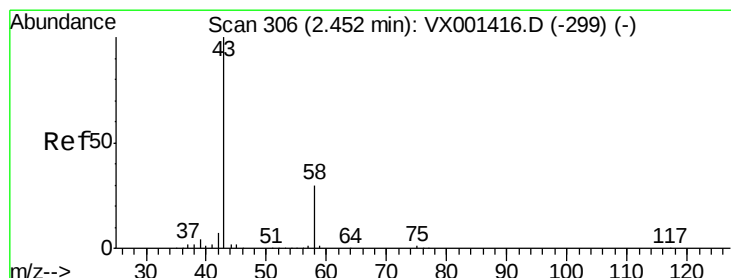
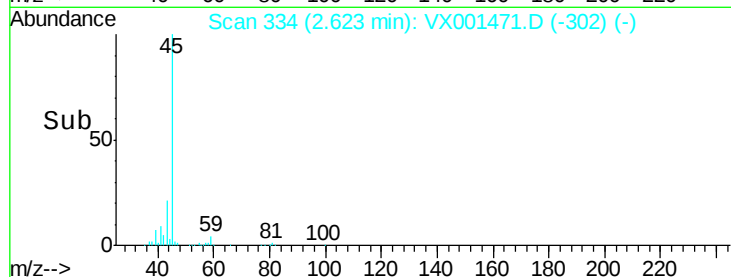
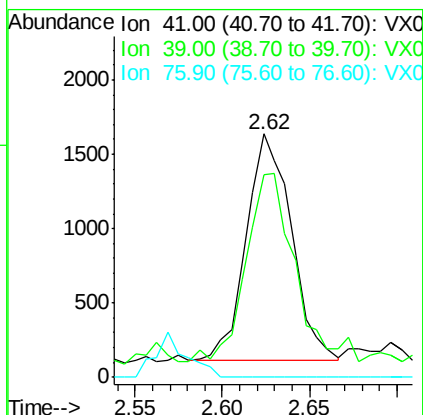
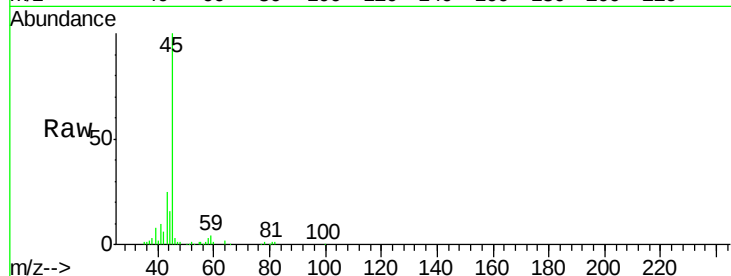




#14
 Allyl chloride
 Concen: 0.47 ug/l
 RT: 2.62 min Scan# 334
 Delta R.T. -0.10 min
 Lab File: VX001471.D
 Acq: 07 May 2018 17:33

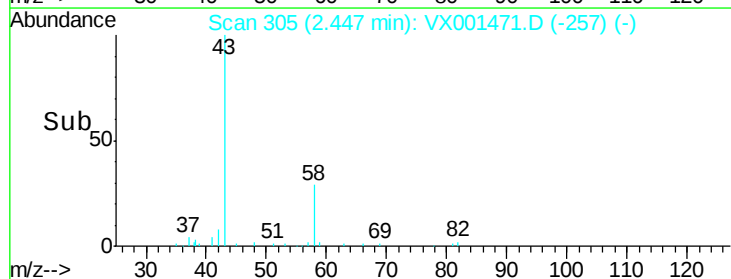
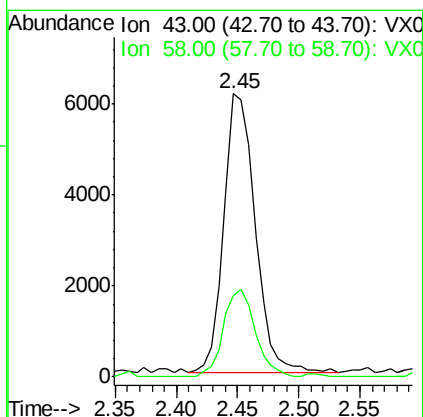
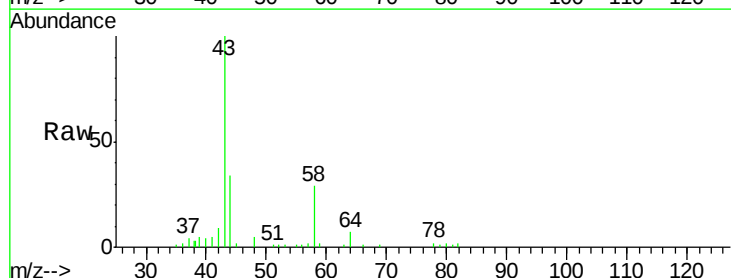
Instrument :
 MSVOA_X
 ClientSampleId :
 BPS1-TT-MW311I-20180429

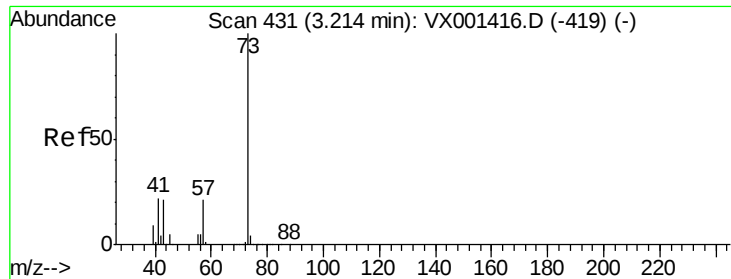
Tgt Ion: 41 Resp: 2723
 Ion Ratio Lower Upper
 41 100
 39 91.6 52.4 78.6#
 76 0.0 25.8 38.6#



#16
 Acetone
 Concen: 5.97 ug/l
 RT: 2.45 min Scan# 305
 Delta R.T. -0.01 min
 Lab File: VX001471.D
 Acq: 07 May 2018 17:33

Tgt Ion: 43 Resp: 11014
 Ion Ratio Lower Upper
 43 100
 58 29.0 23.8 35.8

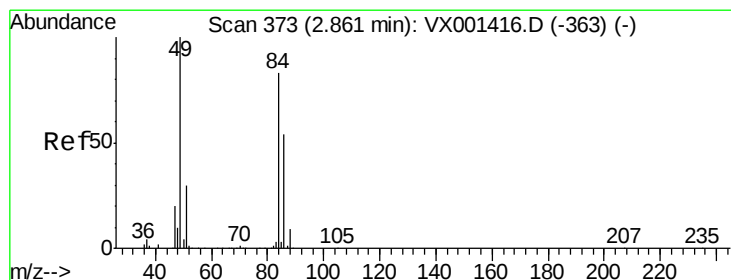
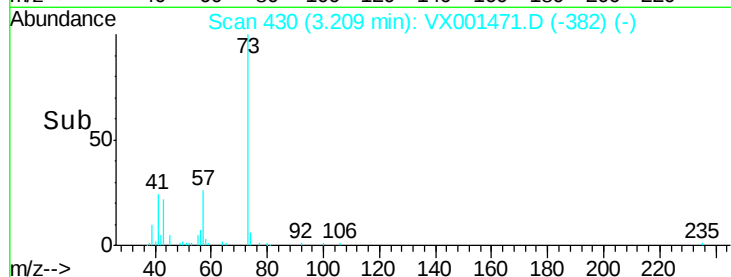
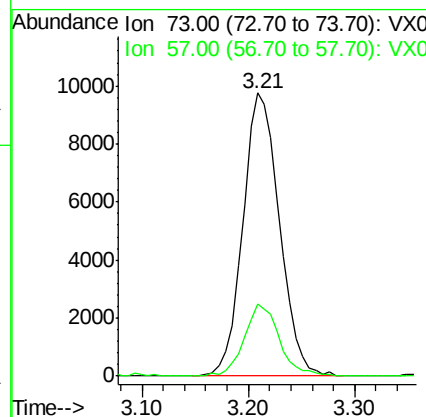
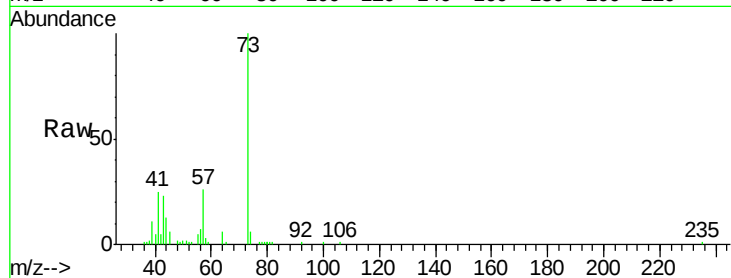




#19
Methyl tert-butyl Ether
Concen: 2.16 ug/l
RT: 3.21 min Scan# 430
Delta R.T. -0.01 min
Lab File: VX001471.D
Acq: 07 May 2018 17:33

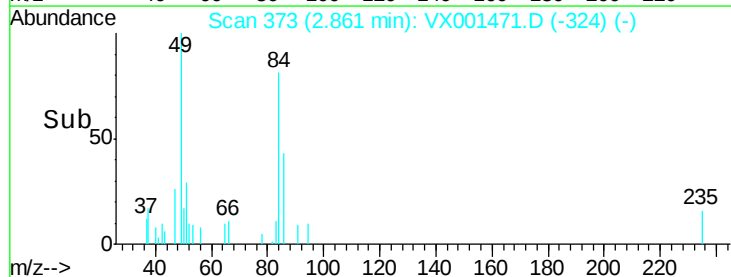
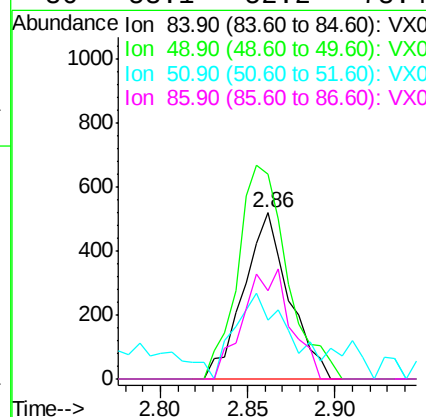
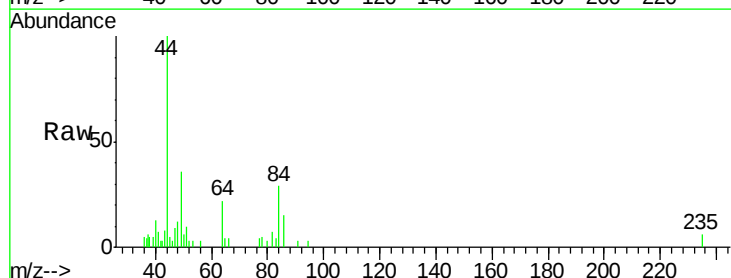
Instrument :
MSVOA_X
ClientSampleId :
BPS1-TT-MW311I-20180429

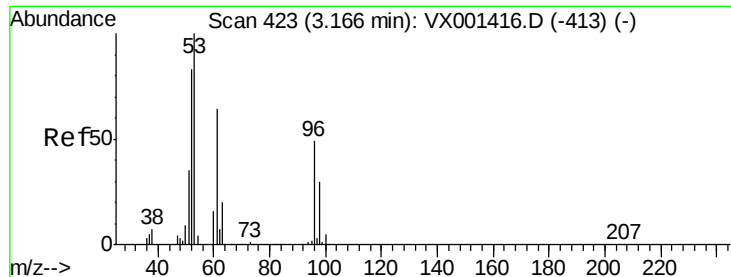
Tgt Ion: 73 Resp: 23495
Ion Ratio Lower Upper
73 100
57 25.7 17.0 25.6#



#20
Methylene Chloride
Concen: 0.26 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX001471.D
Acq: 07 May 2018 17:33

Tgt Ion: 84 Resp: 936
Ion Ratio Lower Upper
84 100
49 123.4 96.6 144.8
51 25.3 29.0 43.4#
86 53.1 52.2 78.4





#21

trans-1,2-Dichloroethene

Concen: 0.23 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX001471.D

Acq: 07 May 2018 17:33

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW311I-20180429

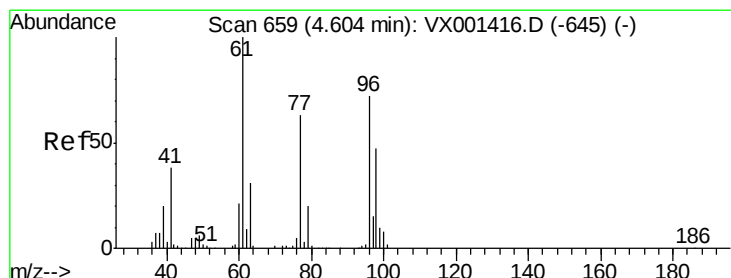
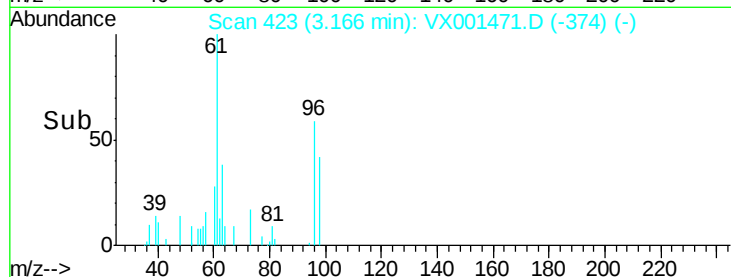
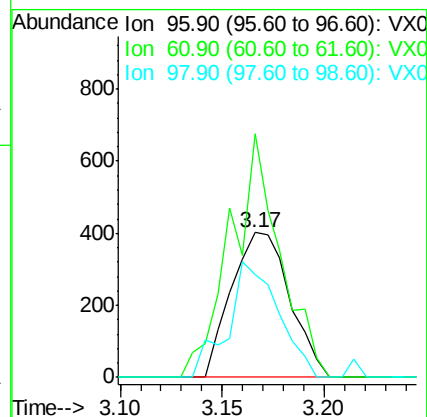
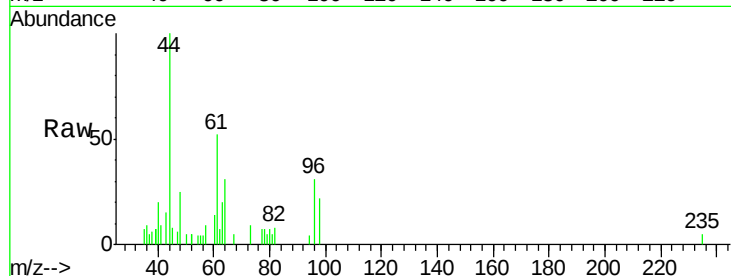
Tgt Ion: 96 Resp: 799

Ion Ratio Lower Upper

96 100

61 168.6 105.0 157.4#

98 71.1 49.9 74.9



#27

cis-1,2-Dichloroethene

Concen: 5.73 ug/l

RT: 4.60 min Scan# 659

Delta R.T. 0.00 min

Lab File: VX001471.D

Acq: 07 May 2018 17:33

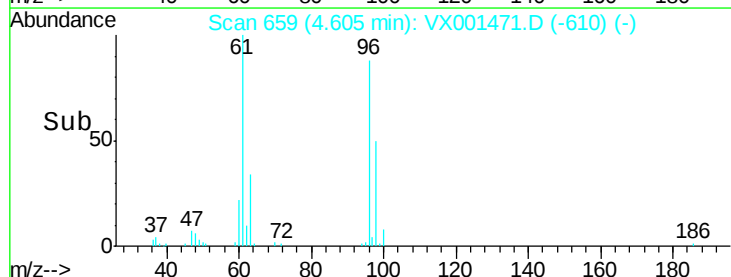
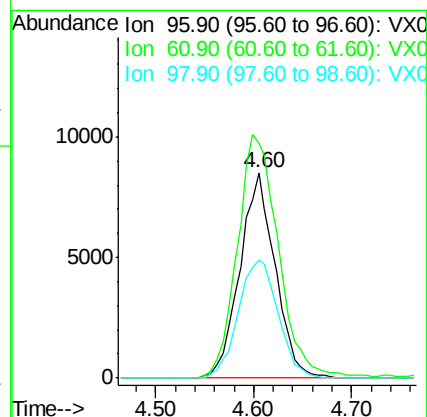
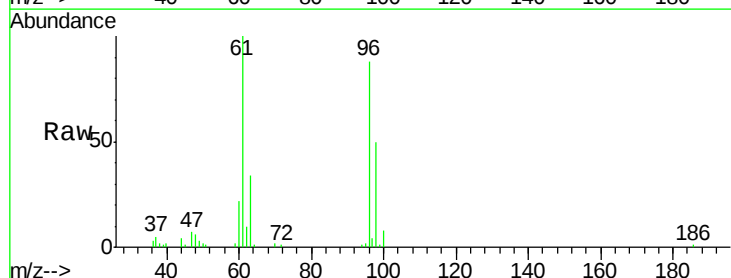
Tgt Ion: 96 Resp: 21296

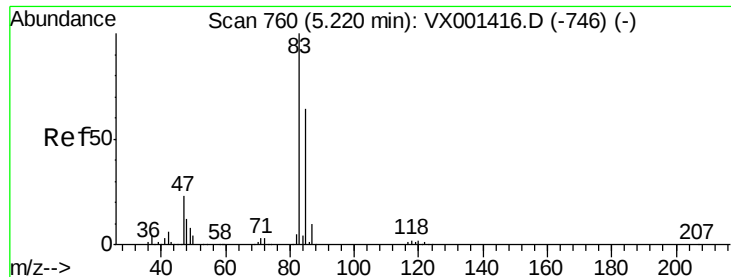
Ion Ratio Lower Upper

96 100

61 138.3 0.0 301.6

98 64.6 0.0 131.6

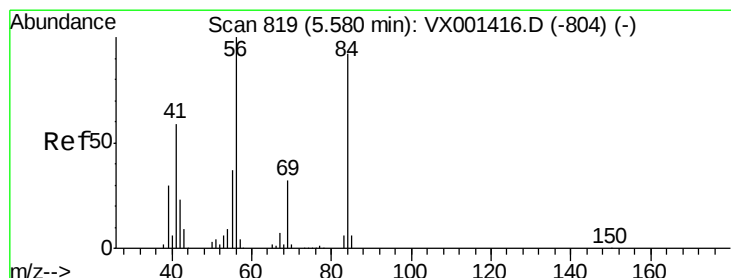
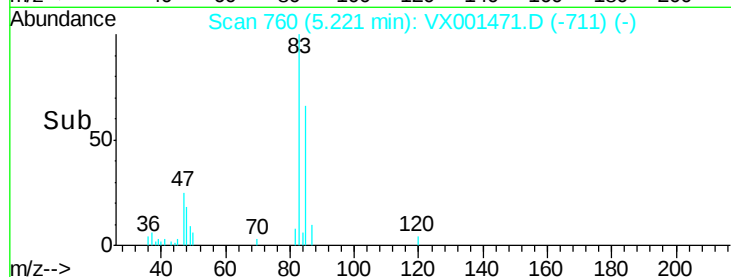
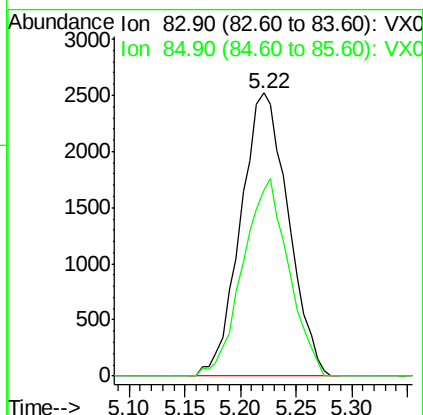
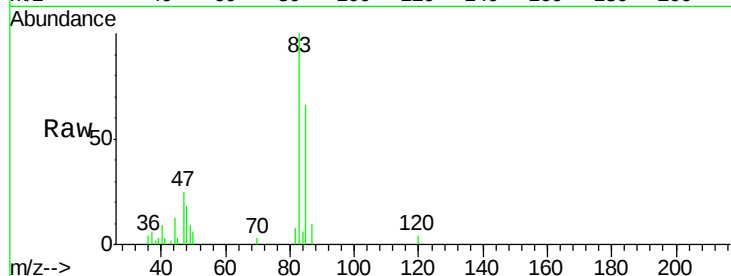




#30
Chloroform
Concen: 1.20 ug/l
RT: 5.22 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX001471.D
Acq: 07 May 2018 17:33

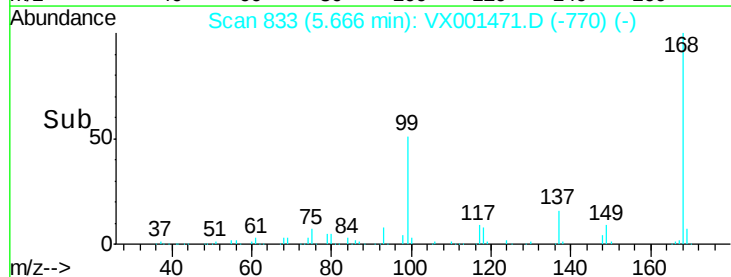
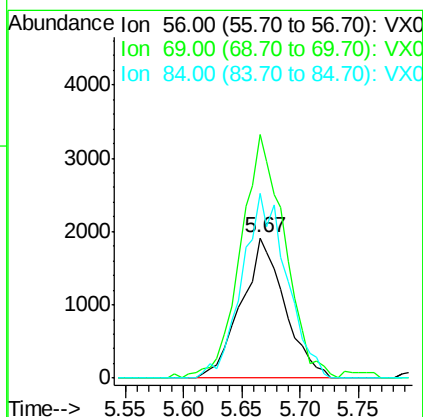
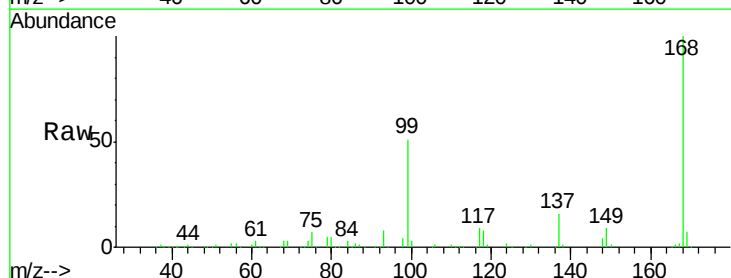
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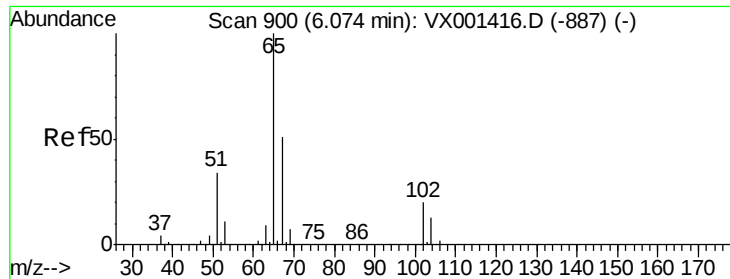
Tgt Ion: 83 Resp: 7514
Ion Ratio Lower Upper
83 100
85 65.8 51.0 76.4



#31
Cyclohexane
Concen: 0.95 ug/l
RT: 5.67 min Scan# 833
Delta R.T. 0.09 min
Lab File: VX001471.D
Acq: 07 May 2018 17:33

Tgt Ion: 56 Resp: 4973
Ion Ratio Lower Upper
56 100
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84 131.6 73.8 110.8#

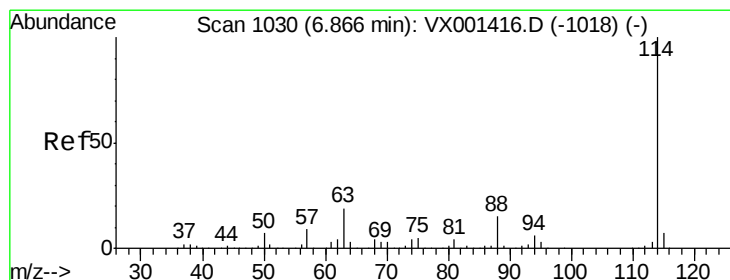
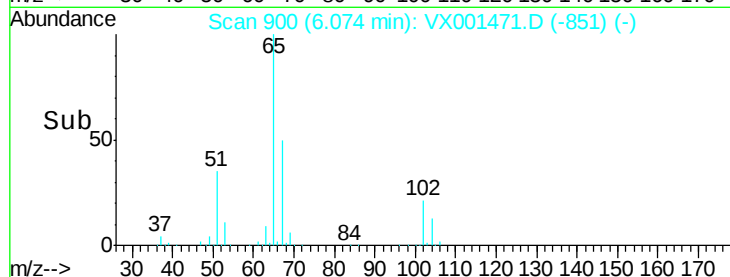
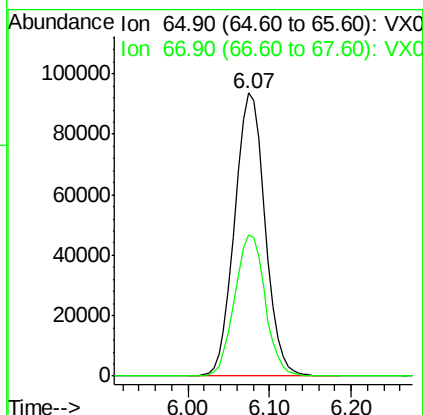
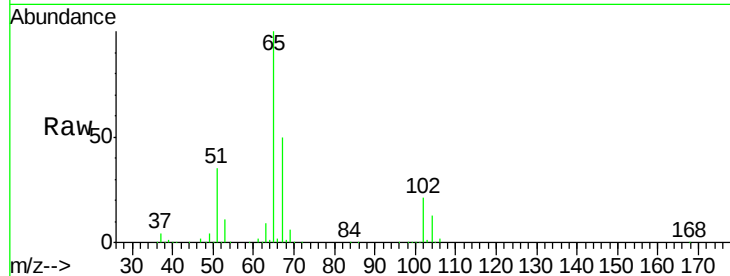




#33
 1,2-Dichloroethane-d4
 Concen: 59.60 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX001471.D
 Acq: 07 May 2018 17:33

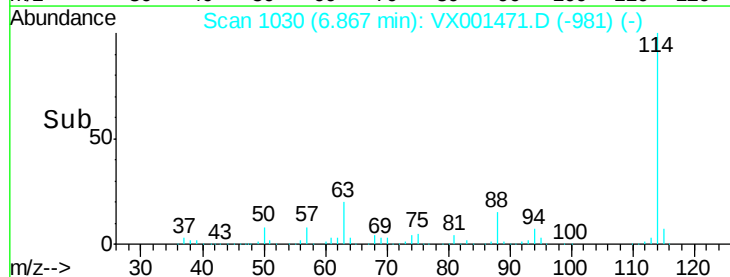
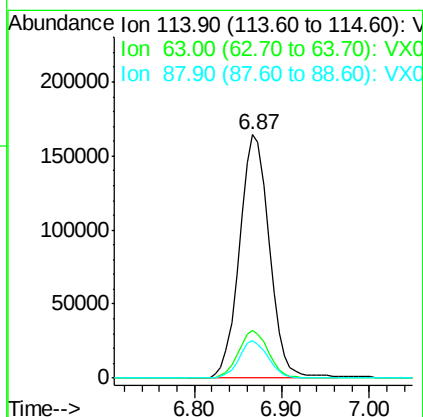
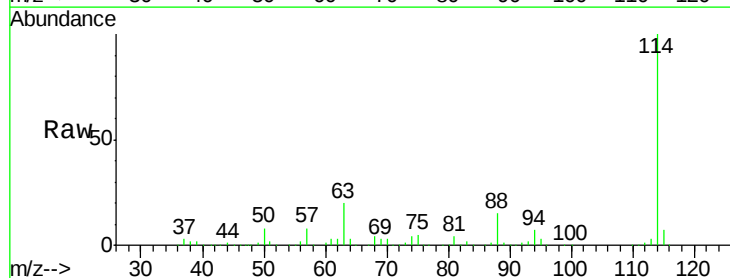
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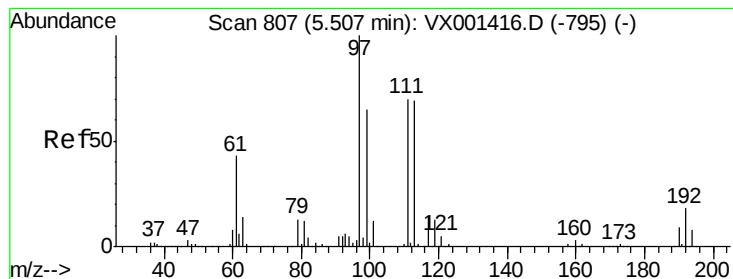
Tgt Ion: 65 Resp: 242010
 Ion Ratio Lower Upper
 65 100
 67 50.2 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX001471.D
 Acq: 07 May 2018 17:33

Tgt Ion: 114 Resp: 390972
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 38.6
 88 15.3 0.0 30.8





#35

Dibromofluoromethane

Concen: 53.52 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.01 min

Lab File: VX001471.D

Acq: 07 May 2018 17:33

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW311I-20180429

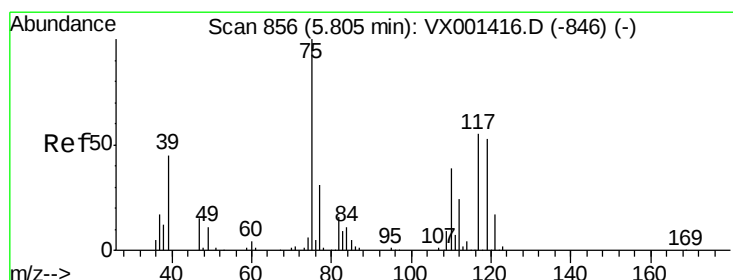
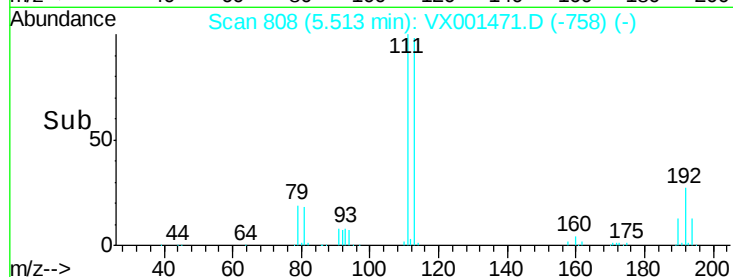
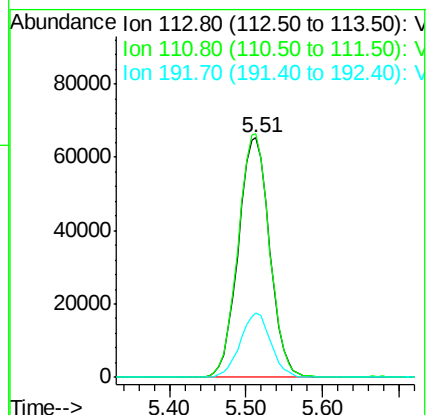
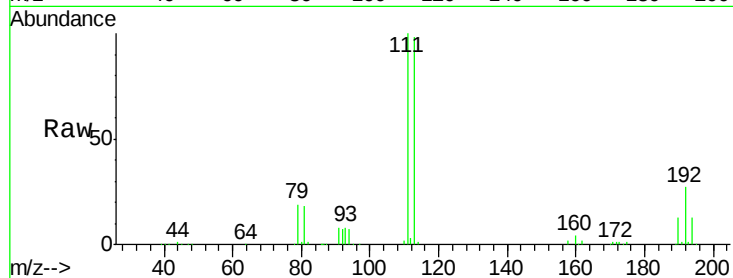
Tgt Ion:113 Resp: 186124

Ion Ratio Lower Upper

113 100

111 101.2 82.2 123.2

192 26.0 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: VX001471.D

Acq: 07 May 2018 17:33

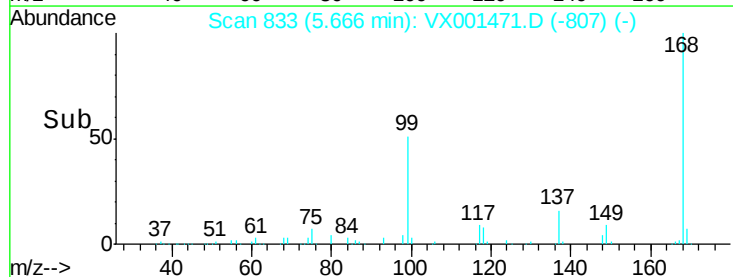
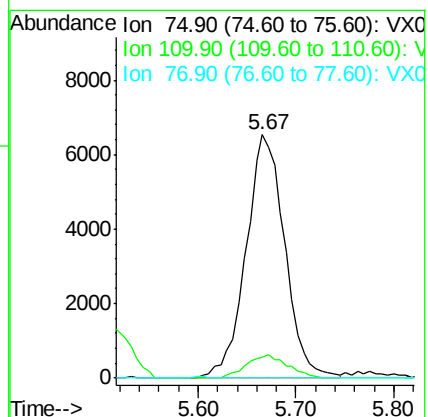
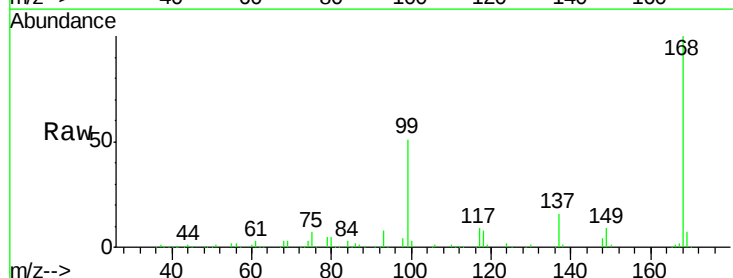
Tgt Ion: 75 Resp: 18031

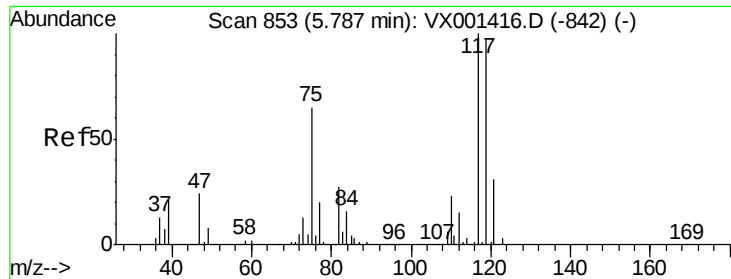
Ion Ratio Lower Upper

75 100

110 10.1 18.9 56.7#

77 0.0 24.9 37.3#





#38

Carbon Tetrachloride

Concen: 4.61 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX001471.D

Acq: 07 May 2018 17:33

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW311I-20180429

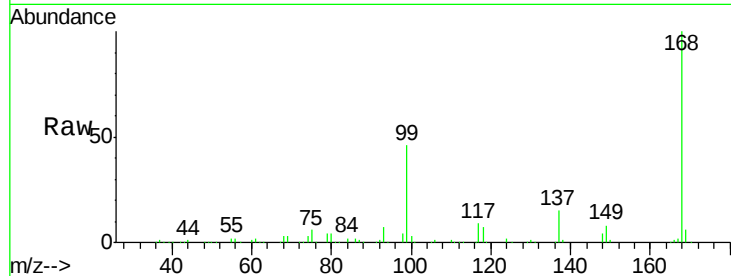
Tgt Ion:117 Resp: 24431

Ion Ratio Lower Upper

117 100

119 4.9 77.0 115.6#

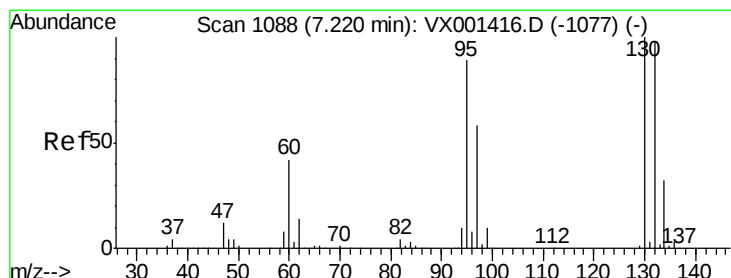
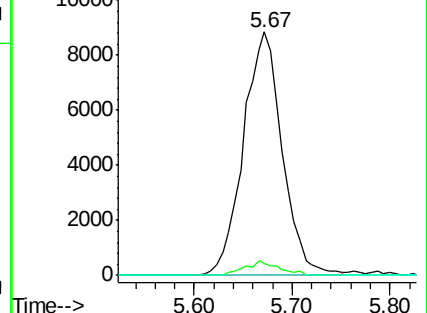
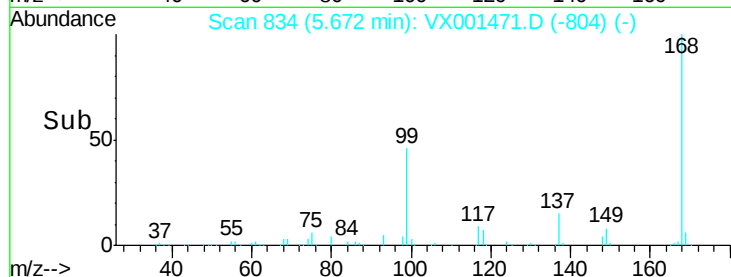
121 0.0 25.1 37.7#



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: 1.68 ug/l

RT: 7.22 min Scan# 1088

Delta R.T. 0.00 min

Lab File: VX001471.D

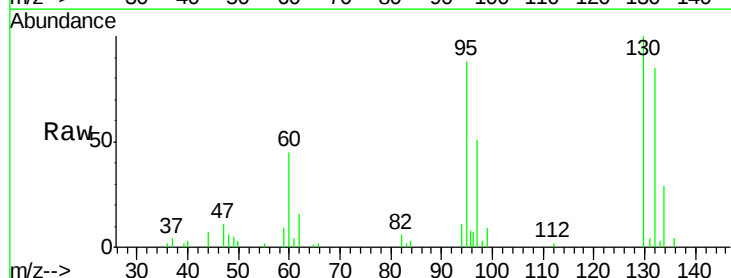
Acq: 07 May 2018 17:33

Tgt Ion:130 Resp: 7444

Ion Ratio Lower Upper

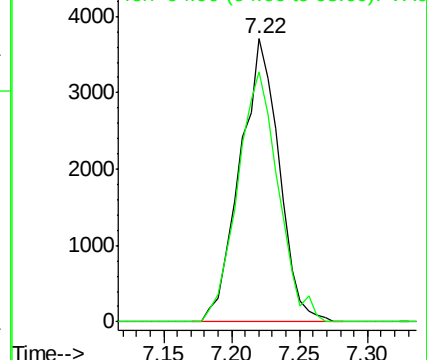
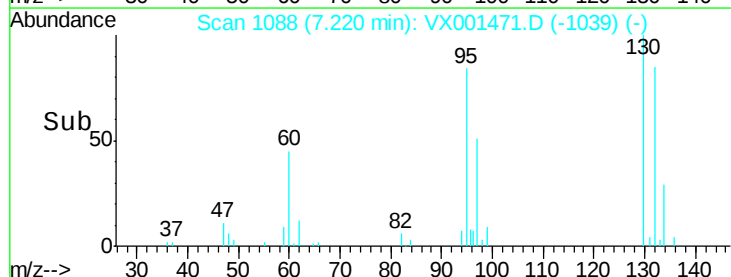
130 100

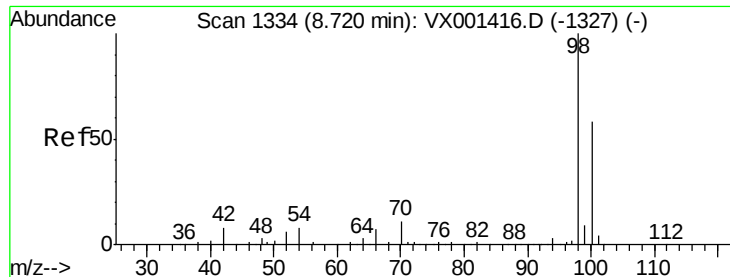
95 88.3 0.0 178.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#50

Toluene-d8

Concen: 48.99 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX001471.D

Acq: 07 May 2018 17:33

Instrument :

MSVOA_X

ClientSampleId :

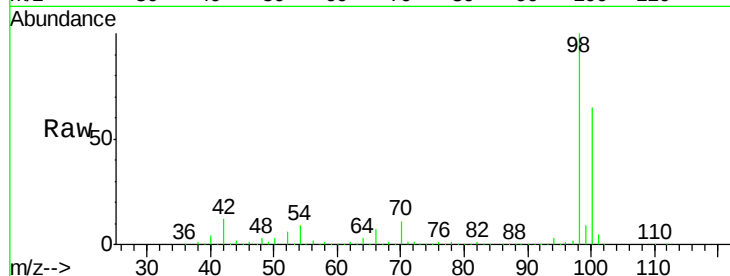
BPS1-TT-MW311I-20180429

Tgt Ion: 98 Resp: 621851

Ion Ratio Lower Upper

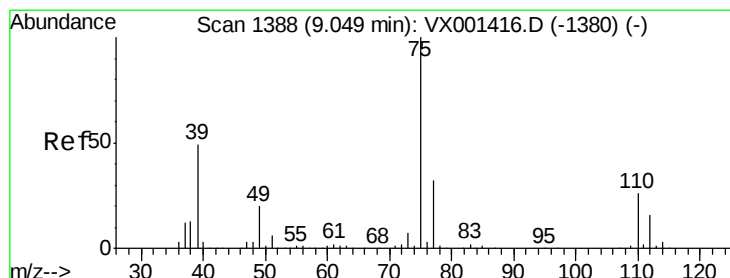
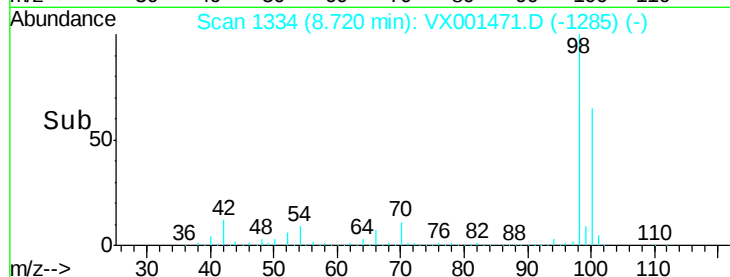
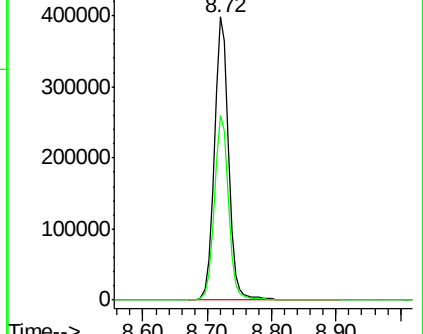
98 100

100 65.7 54.0 81.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



#54

cis-1,3-Dichloropropene

Concen: 2.27 ug/l

RT: 9.04 min Scan# 1386

Delta R.T. -0.01 min

Lab File: VX001471.D

Acq: 07 May 2018 17:33

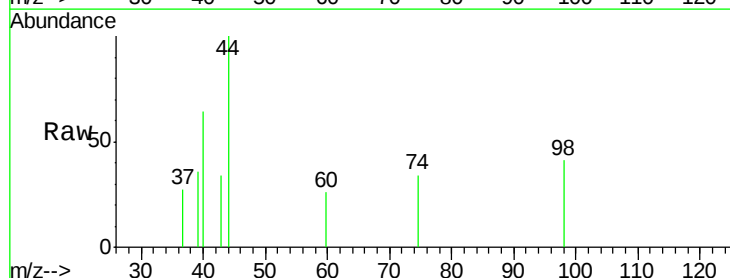
Tgt Ion: 75 Resp: 26

Ion Ratio Lower Upper

75 100

77 0.0 25.5 38.3#

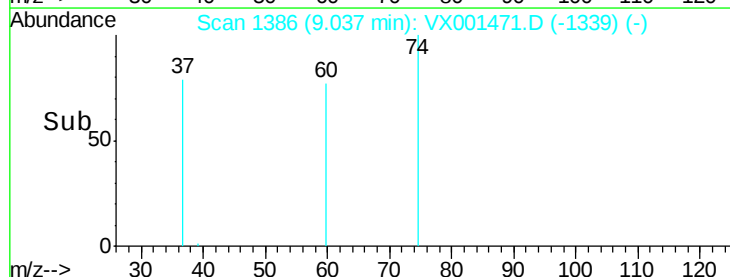
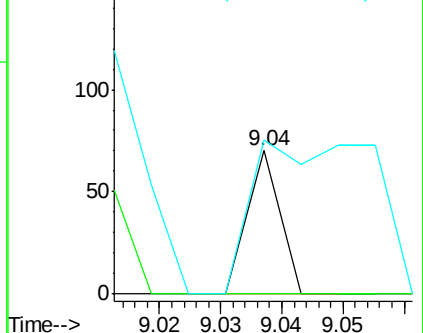
39 107.1 38.9 58.3#

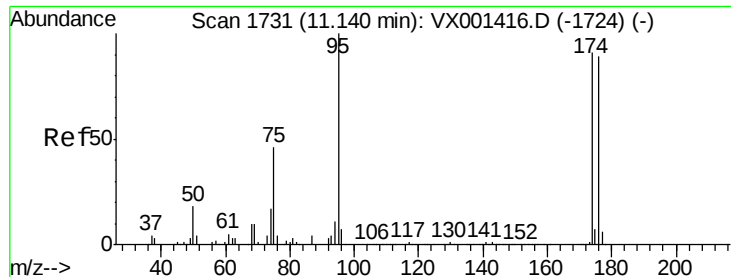


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0





#62

4-Bromofluorobenzene

Concen: 42.27 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX001471.D

Acq: 07 May 2018 17:33

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW311I-20180429

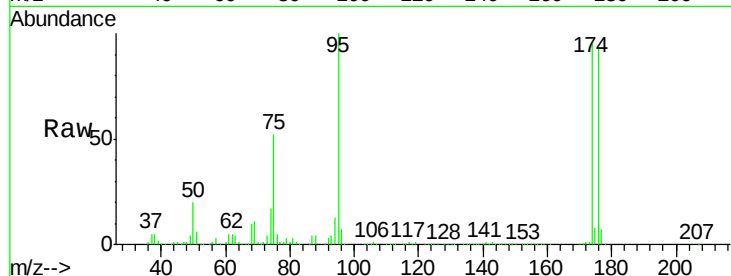
Tgt Ion: 95 Resp: 205992

Ion Ratio Lower Upper

95 100

174 100.9 0.0 202.0

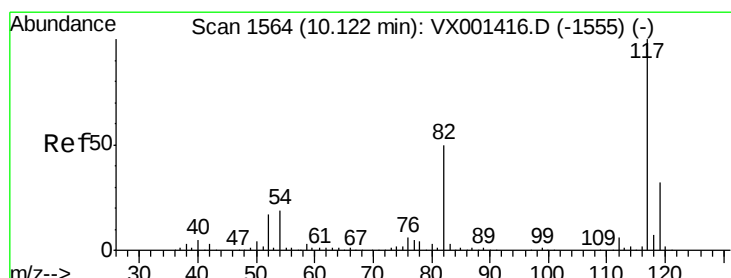
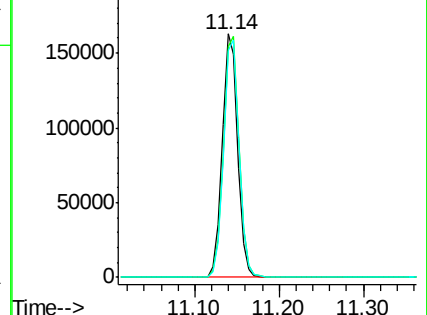
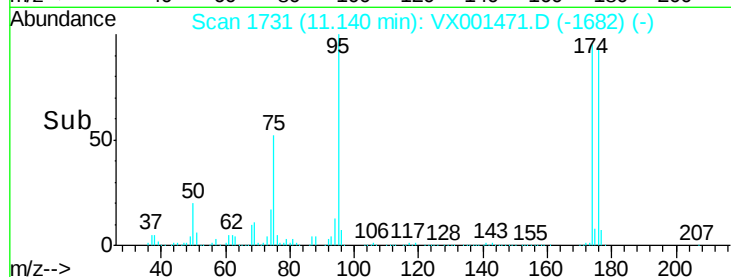
176 98.6 0.0 197.4



Abundance Ion 94.90 (94.60 to 95.60): VX001471.D (-1682) (-)

Ion 173.80 (173.50 to 174.50): VX001471.D (-1682) (-)

Ion 175.80 (175.50 to 176.50): VX001471.D (-1682) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. -0.01 min

Lab File: VX001471.D

Acq: 07 May 2018 17:33

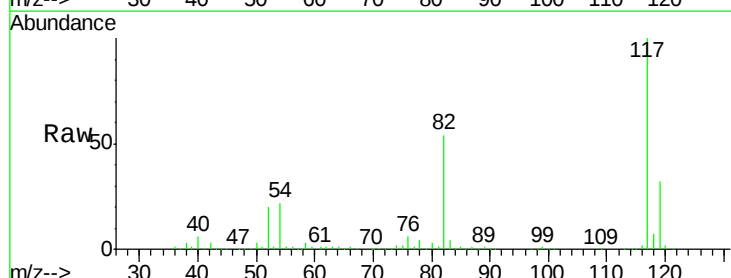
Tgt Ion: 117 Resp: 349174

Ion Ratio Lower Upper

117 100

82 54.2 40.0 60.0

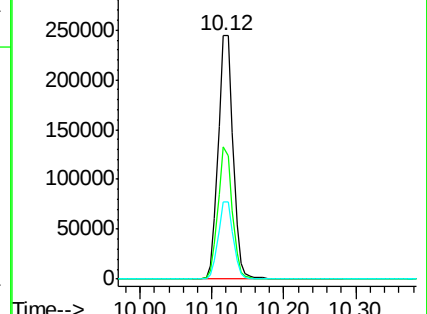
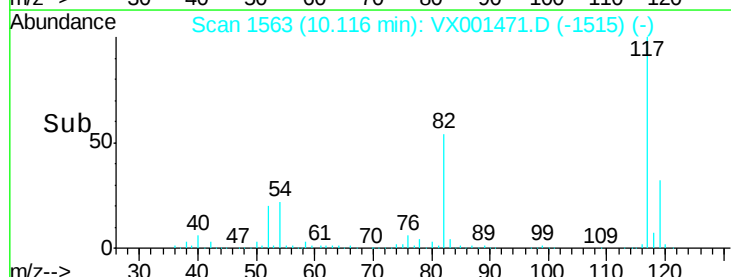
119 31.7 25.8 38.8

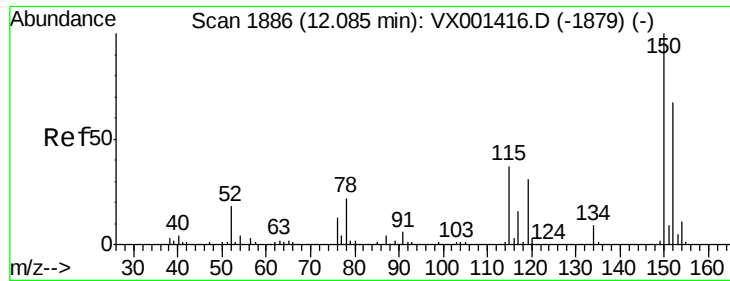


Abundance Ion 116.90 (116.60 to 117.60): VX001471.D (-1515) (-)

Ion 82.00 (81.70 to 82.70): VX001471.D (-1515) (-)

Ion 118.90 (118.60 to 119.60): VX001471.D (-1515) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX001471.D

Acq: 07 May 2018 17:33

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW311I-20180429

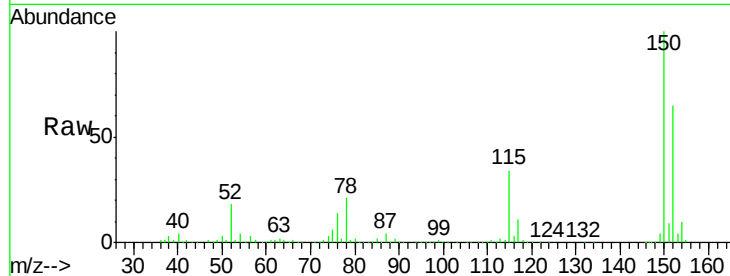
Tgt Ion:152 Resp: 192051

Ion Ratio Lower Upper

152 100

115 52.7 37.7 113.1

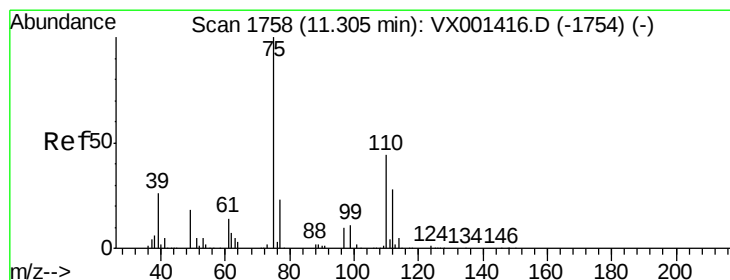
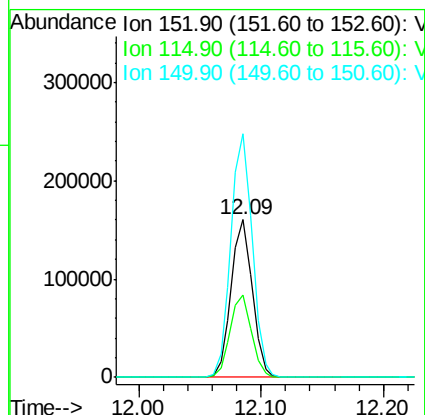
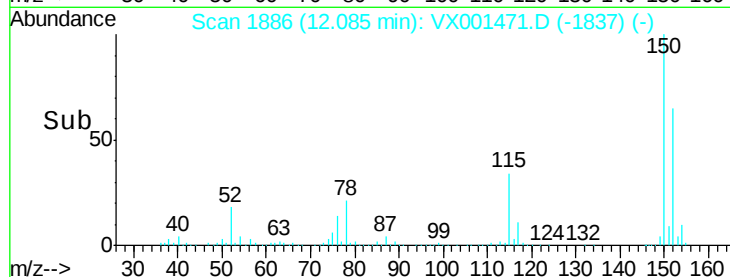
150 155.4 0.0 349.4



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: 26.88 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001471.D

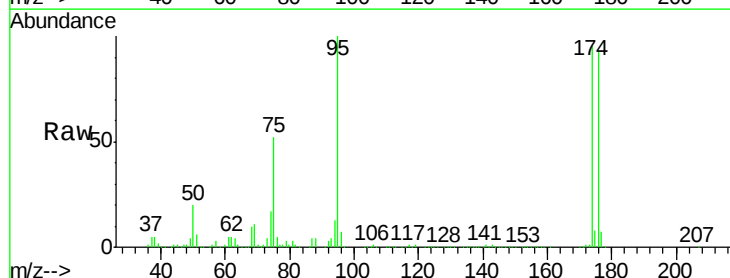
Acq: 07 May 2018 17:33

Tgt Ion: 75 Resp: 104690

Ion Ratio Lower Upper

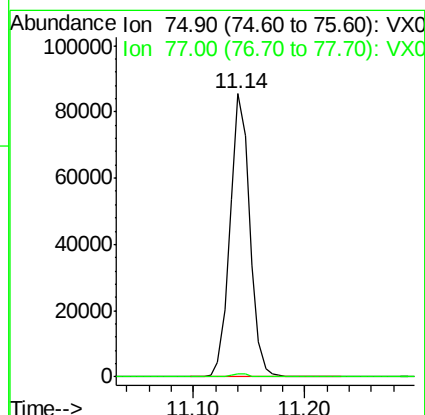
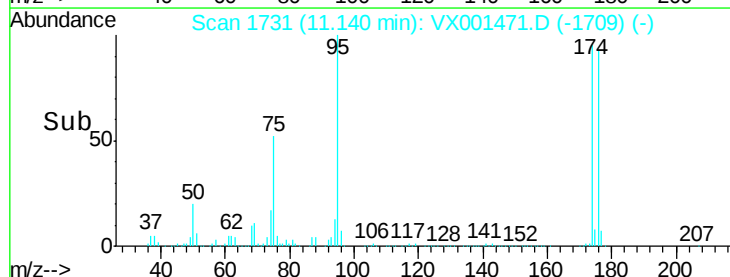
75 100

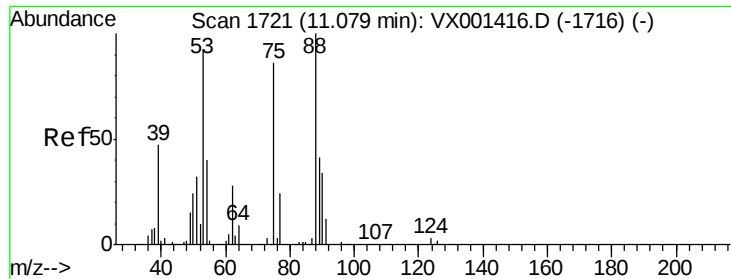
77 1.2 19.6 58.7#



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: 82.64 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX001471.D

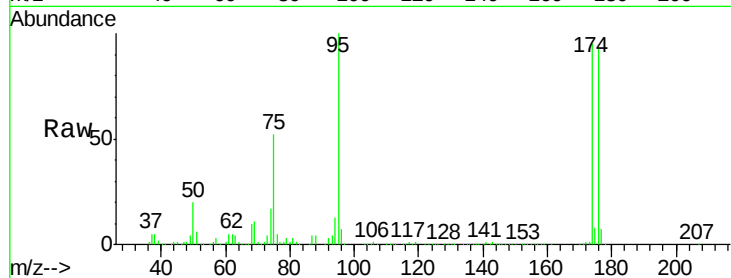
Acq: 07 May 2018 17:33

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW311I-20180429



Tgt Ion:	75	Resp:	104690
Ion	Ratio	Lower	Upper
75	100		
53	0.1	84.5	126.7#
89	0.0	39.5	59.3#

