

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX050818\
 Data File : VX001516.D
 Acq On : 08 May 2018 16:13
 Operator : JC/MD
 Sample : J2659-22
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

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

Quant Time: May 09 06:45:22 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	252561	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	347972	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	308100	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	172991	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	217755	59.99	ug/l	0.00
Spiked Amount			Recovery	=	119.98%	
35) Dibromofluoromethane	5.51	113	167868	54.24	ug/l	0.00
Spiked Amount			Recovery	=	108.48%	
50) Toluene-d8	8.72	98	587881	52.03	ug/l	0.00
Spiked Amount			Recovery	=	104.06%	
62) 4-Bromofluorobenzene	11.14	95	196292	45.26	ug/l	0.00
Spiked Amount			Recovery	=	90.52%	

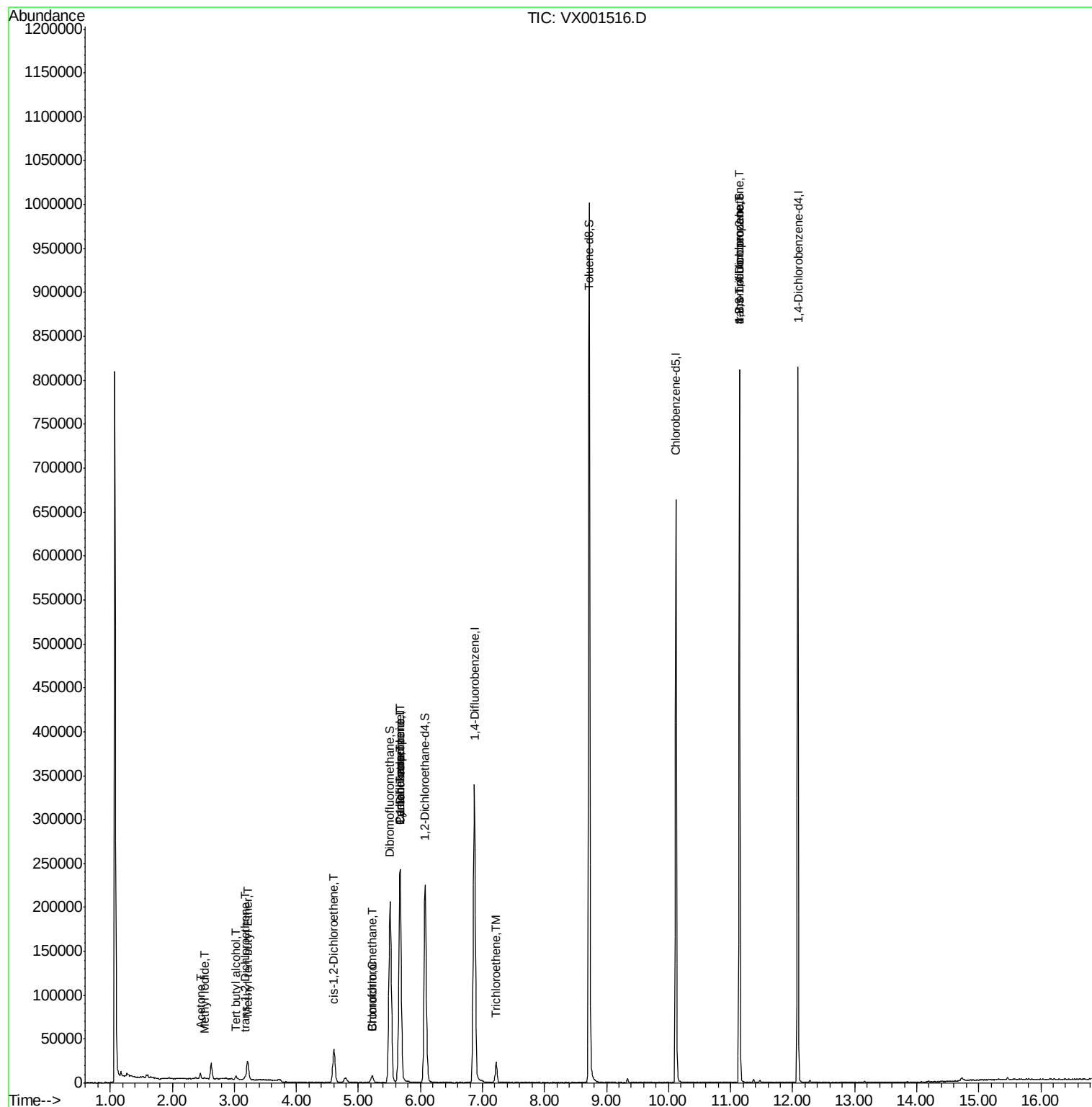
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	962	Below Cal		98
10) Methyl Iodide	2.52	142	936	0.21 ug/l	#	95
11) Tert butyl alcohol	3.03	59	2099	2.74 ug/l	#	72
13) Acrolein	2.31	56	87	Below Cal	#	79
16) Acetone	2.45	43	6999	4.25 ug/l	#	79
19) Methyl tert-butyl Ether	3.21	73	23451	2.41 ug/l		94
21) trans-1,2-Dichloroethene	3.17	96	1160	0.37 ug/l		88
27) cis-1,2-Dichloroethene	4.60	96	23624	7.11 ug/l		88
28) Bromochloromethane	5.23	49	812	0.34 ug/l	#	7
30) Chloroform	5.22	83	8199	1.46 ug/l		96
31) Cyclohexane	5.67	56	4386	0.94 ug/l	#	14
36) 1,1-Dichloropropene	5.67	75	16164	3.65 ug/l	#	49
38) Carbon Tetrachloride	5.67	117	22291	4.72 ug/l	#	16
44) Trichloroethene	7.22	130	8746	2.21 ug/l		90
76) 1,2,3-Trichloropropane	11.14	75	98614	28.11 ug/l	#	38
81) trans-1,4-Dichloro-2-buten	11.14	75	98614	86.22 ug/l	#	7

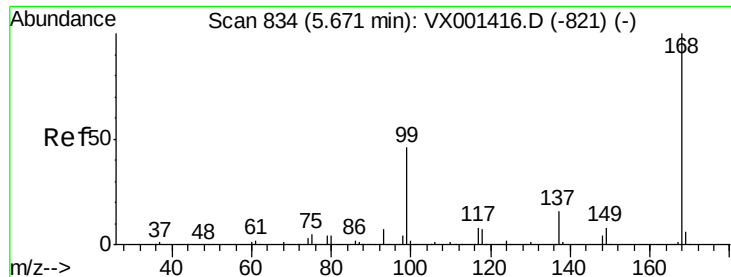
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX001516.D

Acq: 08 May 2018 16:13

Instrument :

MSVOA_X

ClientSampleId :

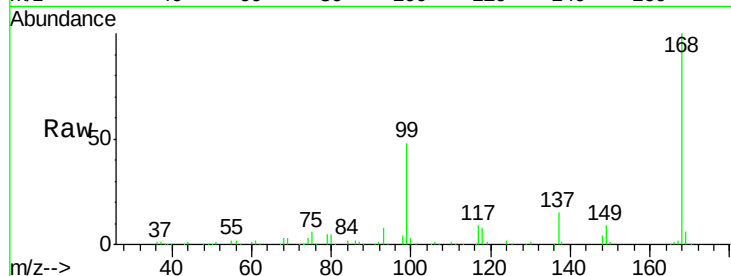
BPS1-TT-MW311I-20180429RE

Tgt Ion: 168 Resp: 252561

Ion Ratio Lower Upper

168 100

99 48.1 36.6 54.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

60000

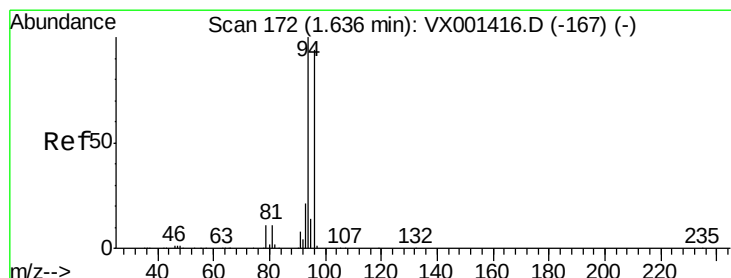
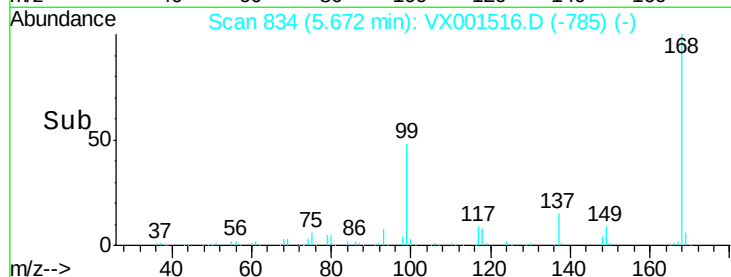
40000

20000

0

Time-->

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: VX001516.D

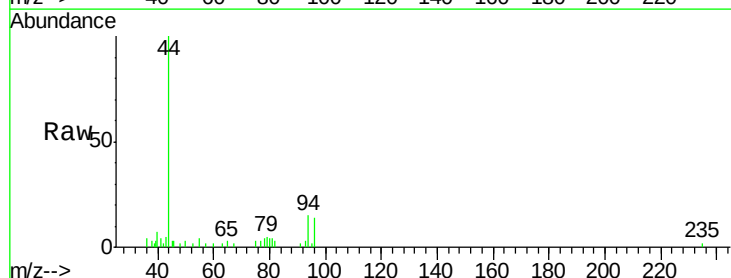
Acq: 08 May 2018 16:13

Tgt Ion: 94 Resp: 962

Ion Ratio Lower Upper

94 100

96 91.7 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

500

400

300

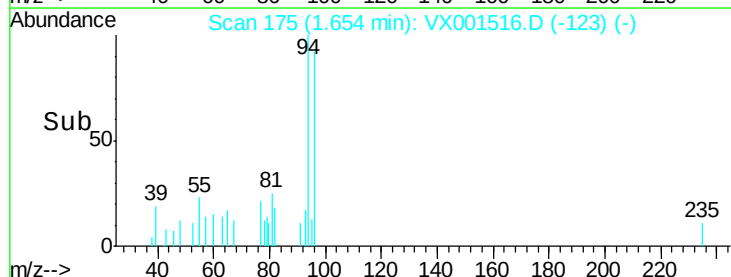
200

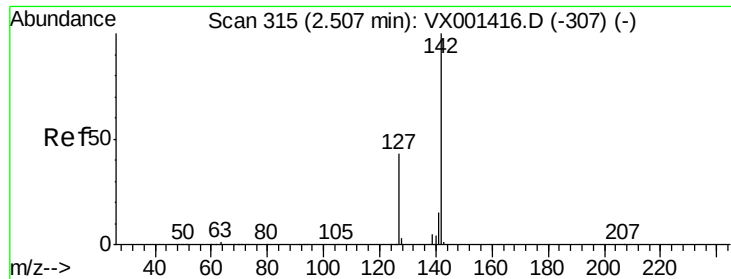
100

0

Time-->

1.60 1.65 1.70

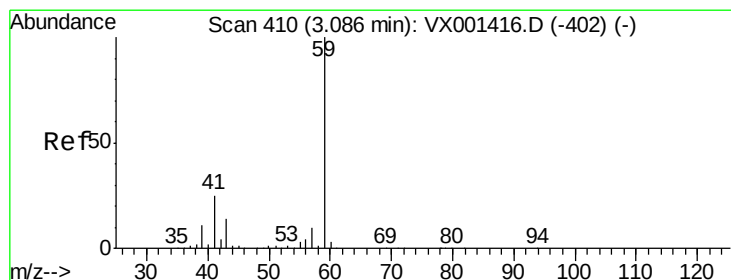
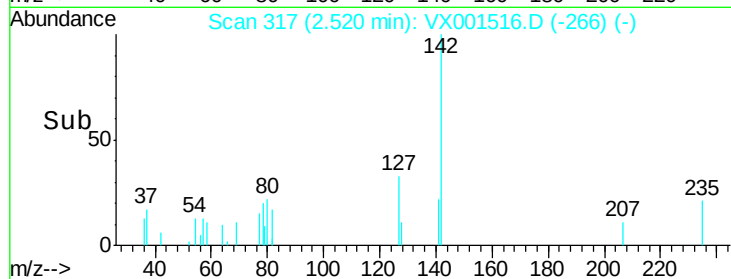
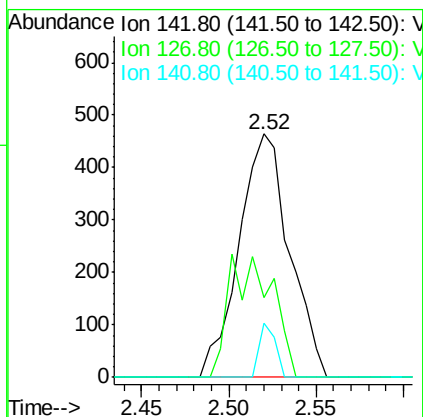
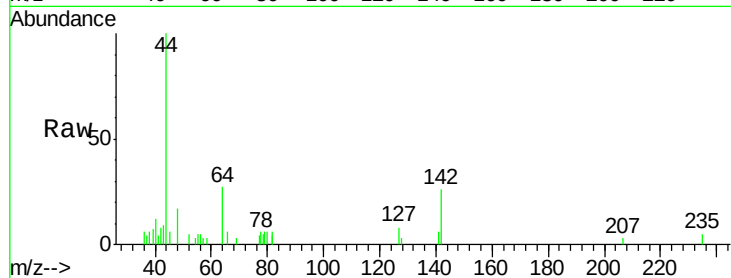




#10
Methyl Iodide
Concen: 0.21 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX001516.D
Acq: 08 May 2018 16:13

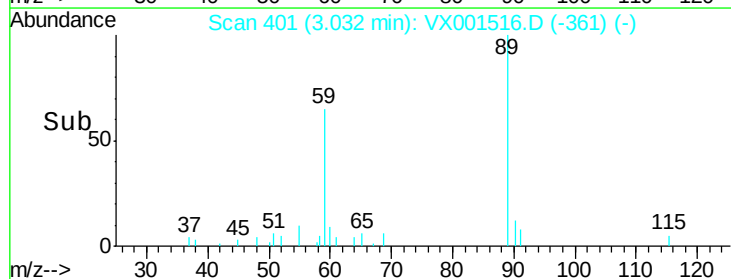
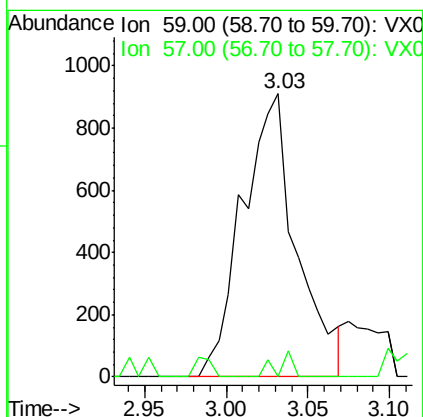
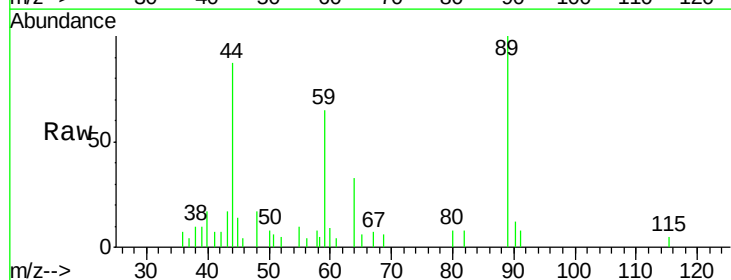
Instrument :
MSVOA_X
ClientSampleId :
BPS1-TT-MW311I-20180429RE

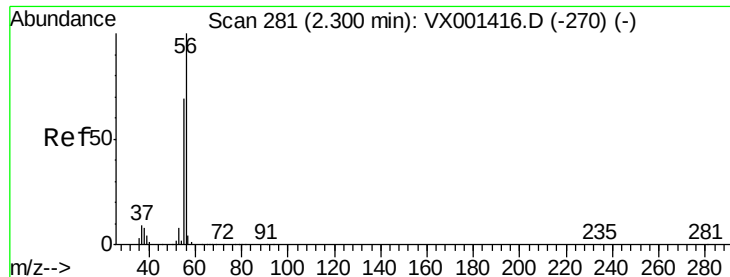
Tgt Ion:142 Resp: 936
Ion Ratio Lower Upper
142 100
127 42.6 33.6 50.4
141 7.1 11.4 17.2#



#11
Tert butyl alcohol
Concen: 2.74 ug/l
RT: 3.03 min Scan# 401
Delta R.T. -0.05 min
Lab File: VX001516.D
Acq: 08 May 2018 16:13

Tgt Ion: 59 Resp: 2099
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: VX001516.D

Acq: 08 May 2018 16:13

Instrument :

MSVOA_X

ClientSampleId :

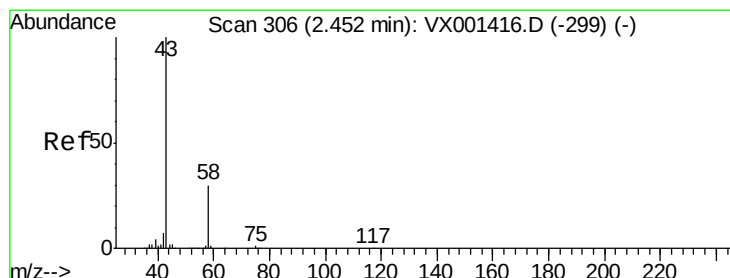
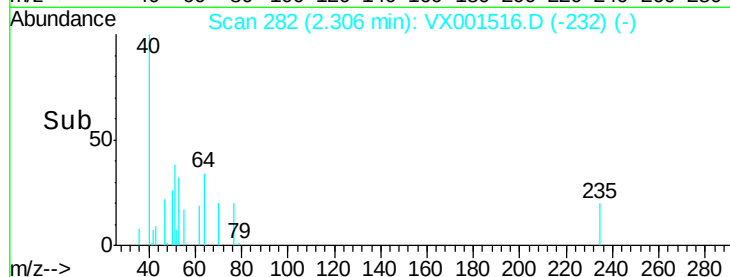
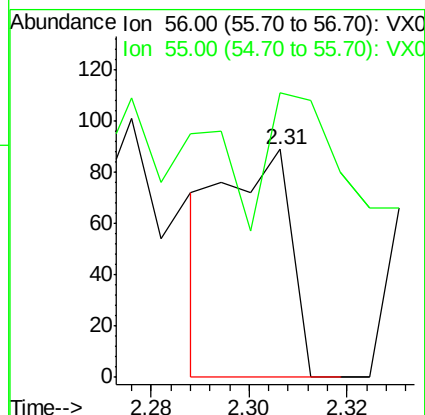
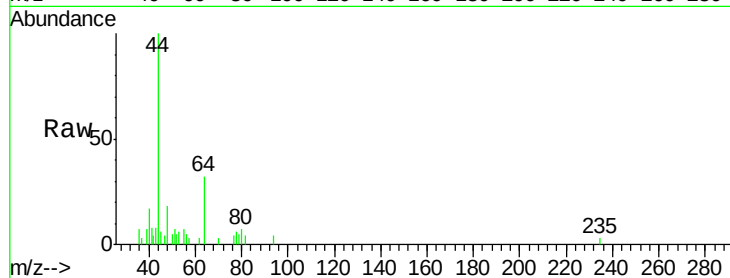
BPS1-TT-MW311I-20180429RE

Tgt Ion: 56 Resp: 87

Ion Ratio Lower Upper

56 100

55 85.1 54.5 81.7#



#16

Acetone

Concen: 4.25 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX001516.D

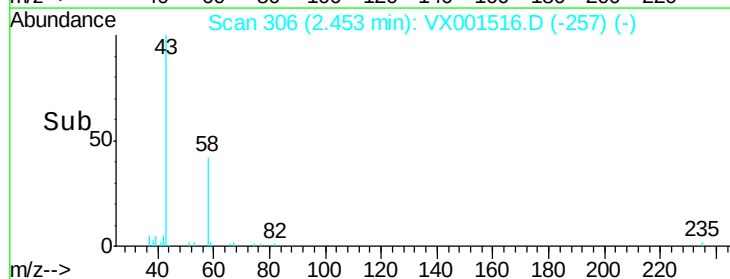
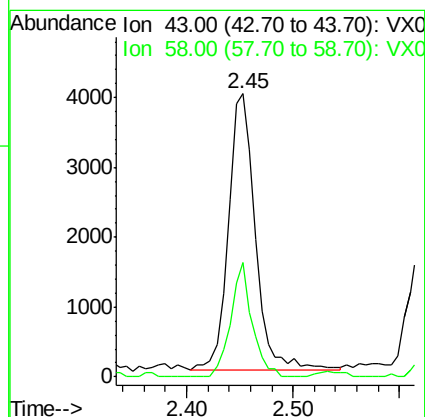
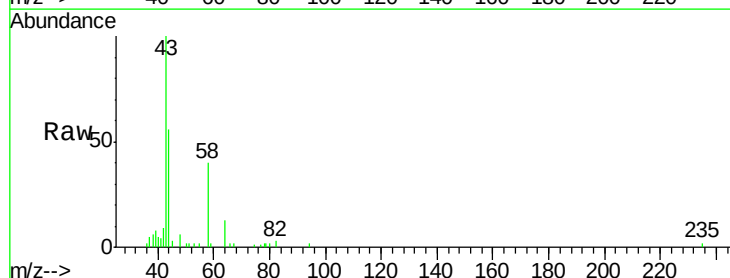
Acq: 08 May 2018 16:13

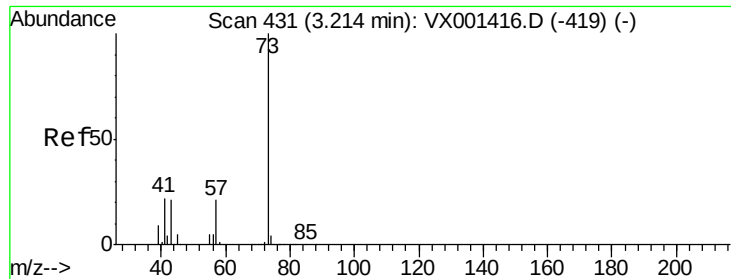
Tgt Ion: 43 Resp: 6999

Ion Ratio Lower Upper

43 100

58 41.2 23.8 35.8#

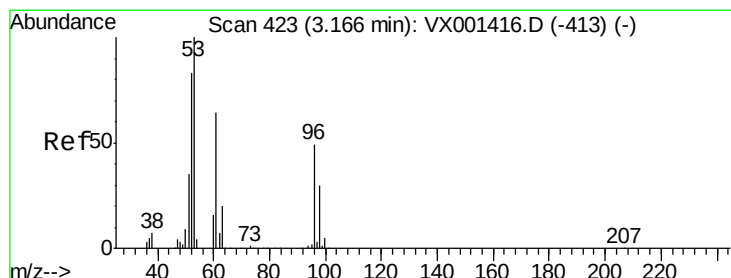
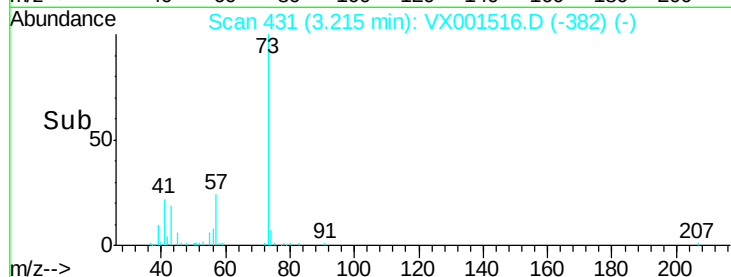
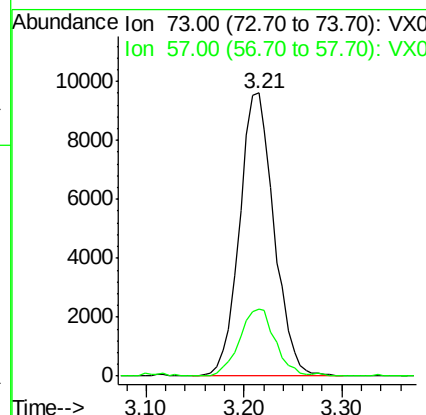
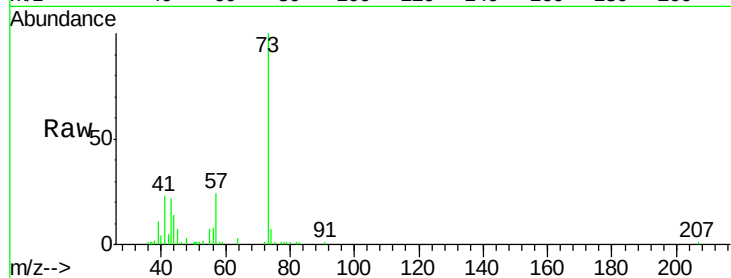




#19
Methyl tert-butyl Ether
Concen: 2.41 ug/l
RT: 3.21 min Scan# 431
Delta R.T. 0.00 min
Lab File: VX001516.D
Acq: 08 May 2018 16:13

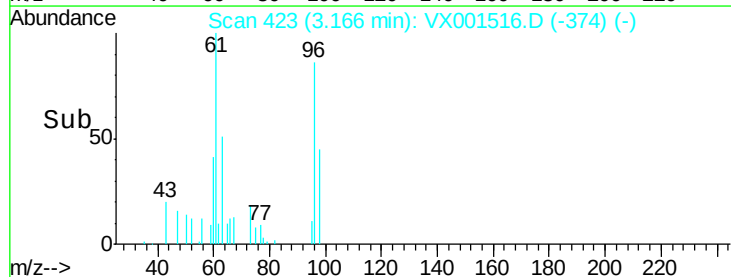
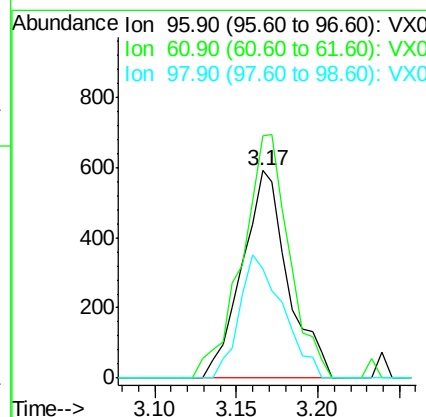
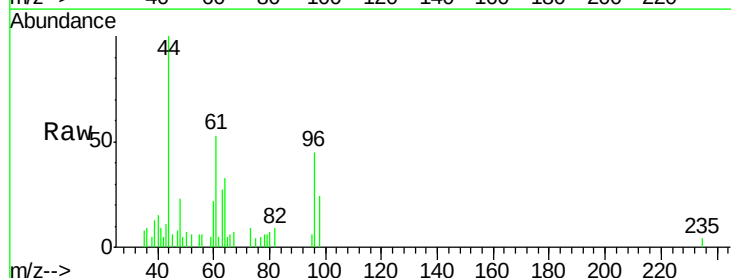
Instrument :
MSVOA_X
ClientSampleId :
BPS1-TT-MW311I-20180429RE

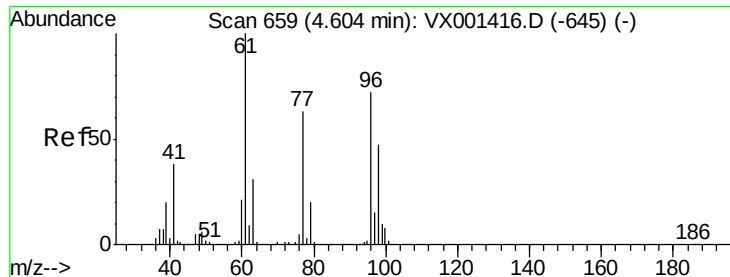
Tgt Ion: 73 Resp: 23451
Ion Ratio Lower Upper
73 100
57 23.9 17.0 25.6



#21
trans-1,2-Dichloroethene
Concen: 0.37 ug/l
RT: 3.17 min Scan# 423
Delta R.T. 0.00 min
Lab File: VX001516.D
Acq: 08 May 2018 16:13

Tgt Ion: 96 Resp: 1160
Ion Ratio Lower Upper
96 100
61 116.7 105.0 157.4
98 52.9 49.9 74.9





#27

cis-1,2-Dichloroethene

Concen: 7.11 ug/l

RT: 4.60 min Scan# 659

Delta R.T. 0.00 min

Lab File: VX001516.D

Acq: 08 May 2018 16:13

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW311I-20180429RE

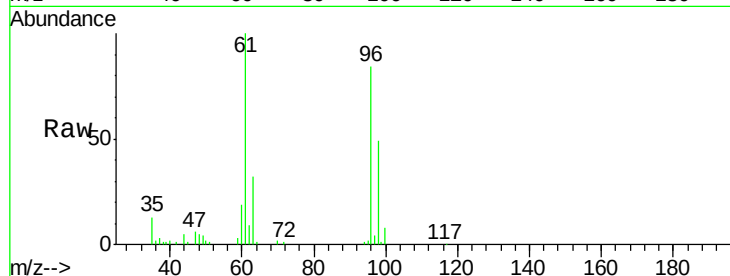
Tgt Ion: 96 Resp: 23624

Ion Ratio Lower Upper

96 100

61 131.4 0.0 301.6

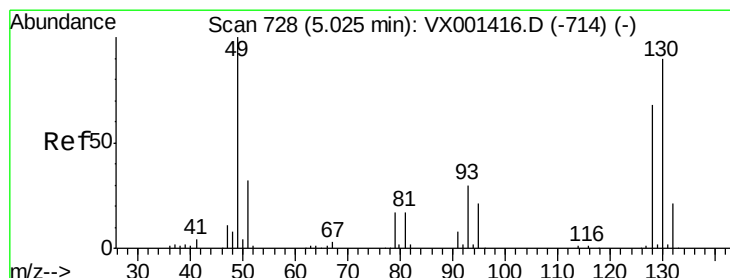
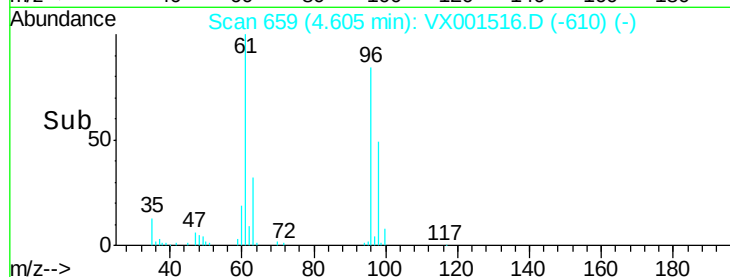
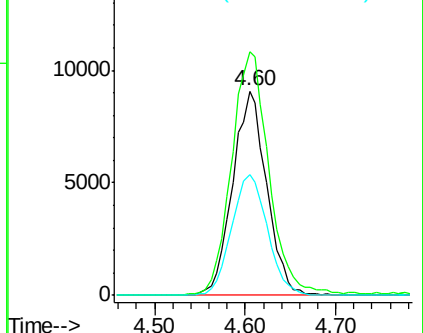
98 62.4 0.0 131.6



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#28

Bromochloromethane

Concen: 0.34 ug/l

RT: 5.23 min Scan# 761

Delta R.T. 0.20 min

Lab File: VX001516.D

Acq: 08 May 2018 16:13

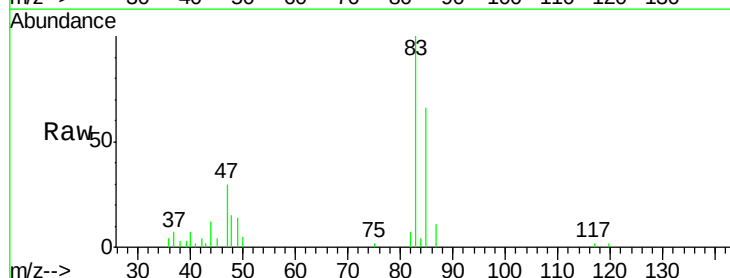
Tgt Ion: 49 Resp: 812

Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.8

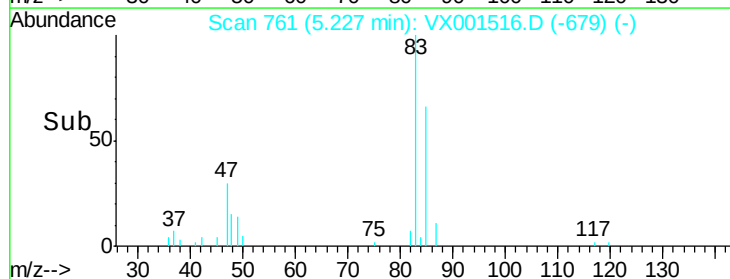
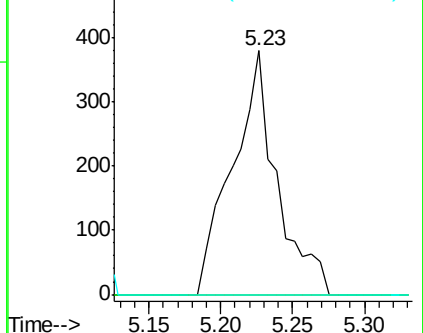
130 0.0 71.9 107.9#

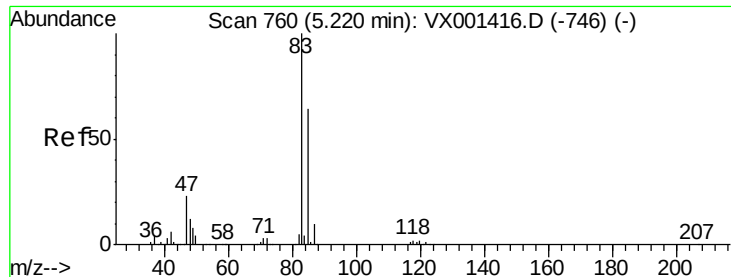


Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

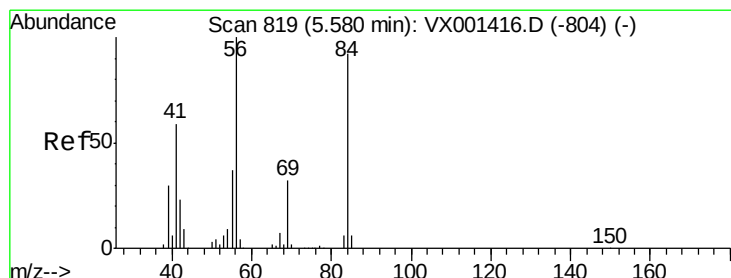
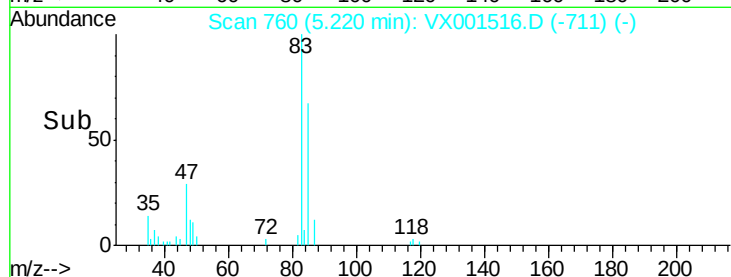
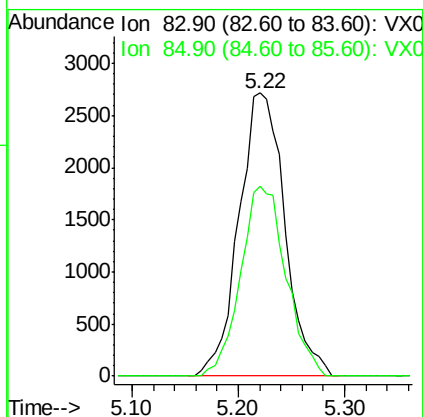
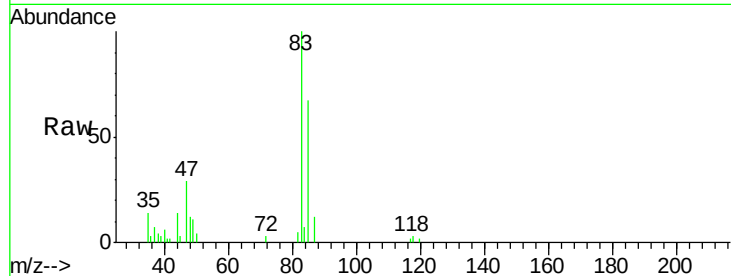




#30
Chloroform
Concen: 1.46 ug/l
RT: 5.22 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX001516.D
Acq: 08 May 2018 16:13

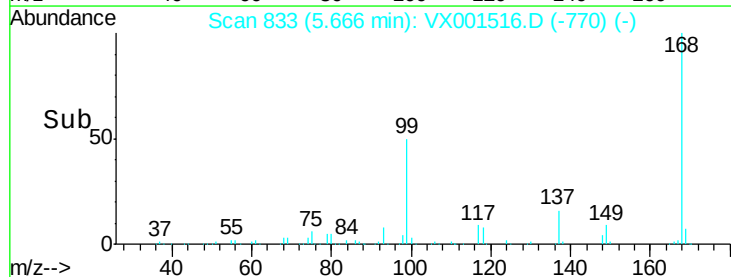
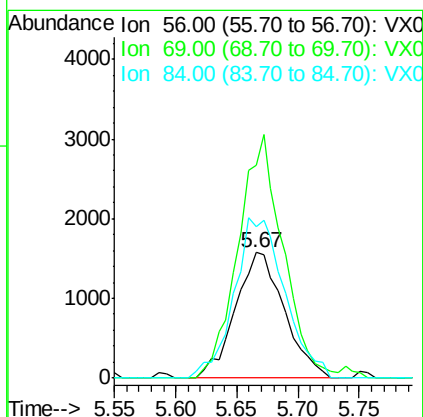
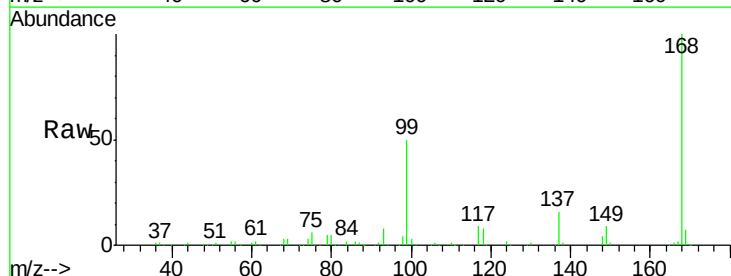
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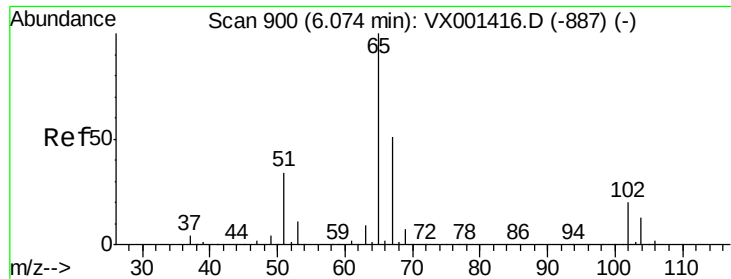
Tgt Ion: 83 Resp: 8199
Ion Ratio Lower Upper
83 100
85 66.9 51.0 76.4



#31
Cyclohexane
Concen: 0.94 ug/l
RT: 5.67 min Scan# 833
Delta R.T. 0.09 min
Lab File: VX001516.D
Acq: 08 May 2018 16:13

Tgt Ion: 56 Resp: 4386
Ion Ratio Lower Upper
56 100
69 170.0 25.4 38.0#
84 120.9 73.8 110.8#

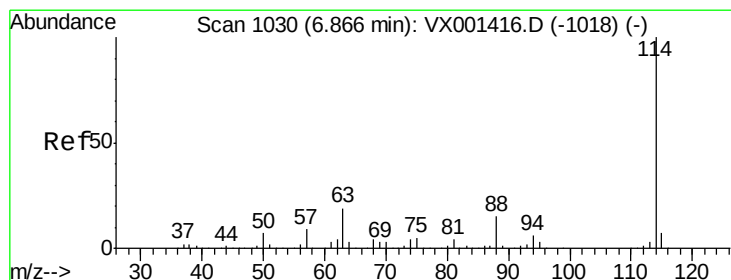
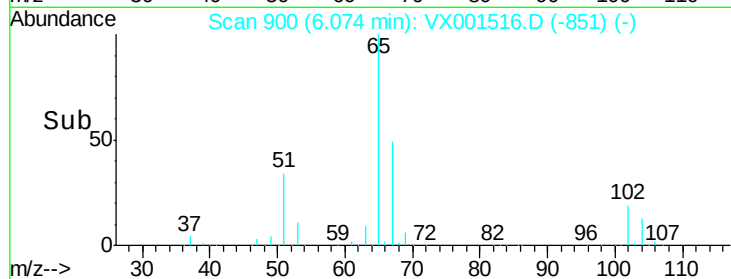
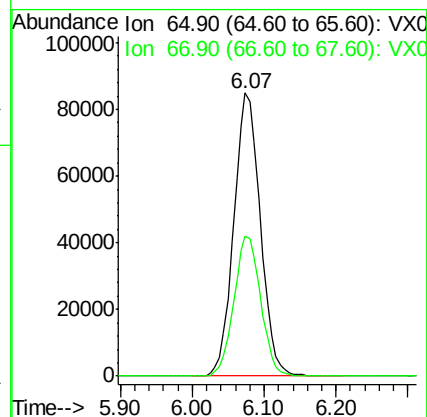
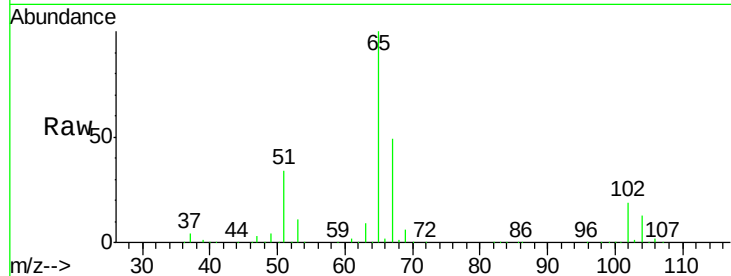




#33
 1,2-Dichloroethane-d4
 Concen: 59.99 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX001516.D
 Acq: 08 May 2018 16:13

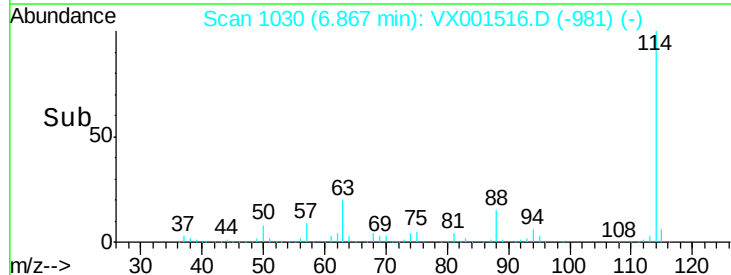
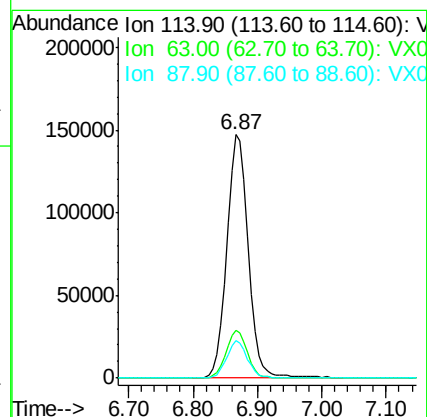
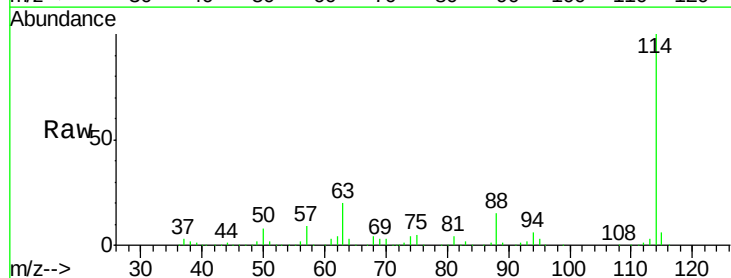
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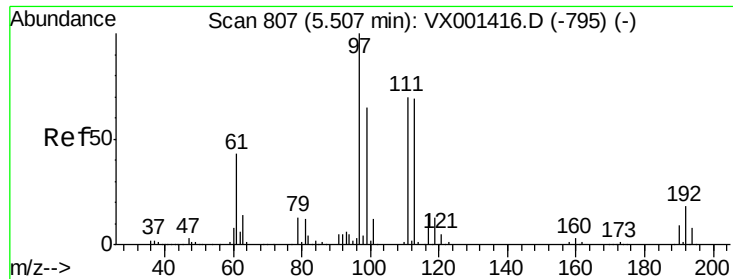
Tgt Ion: 65 Resp: 217755
 Ion Ratio Lower Upper
 65 100
 67 49.6 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX001516.D
 Acq: 08 May 2018 16:13

Tgt Ion: 114 Resp: 347972
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 38.6
 88 15.3 0.0 30.8





#35

Dibromofluoromethane

Concen: 54.24 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.01 min

Lab File: VX001516.D

Acq: 08 May 2018 16:13

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW311I-20180429RE

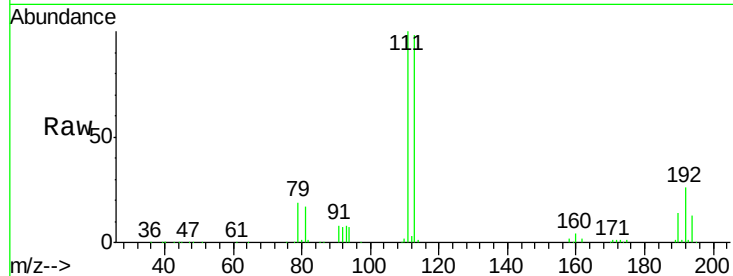
Tgt Ion:113 Resp: 167868

Ion Ratio Lower Upper

113 100

111 101.7 82.2 123.2

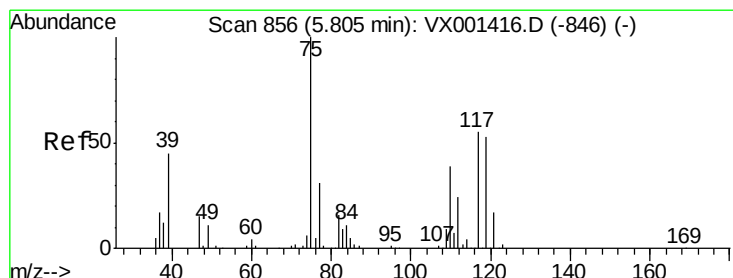
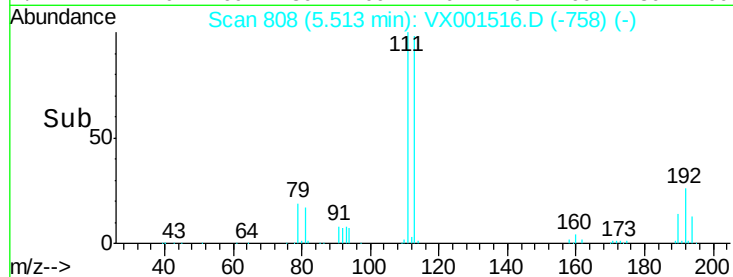
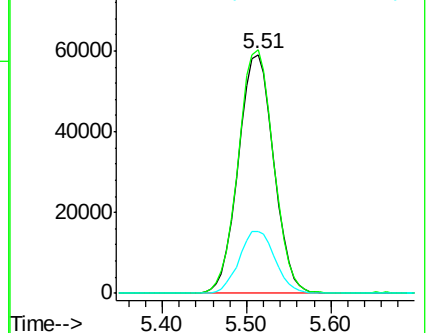
192 26.4 21.4 32.0



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: 3.65 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.13 min

Lab File: VX001516.D

Acq: 08 May 2018 16:13

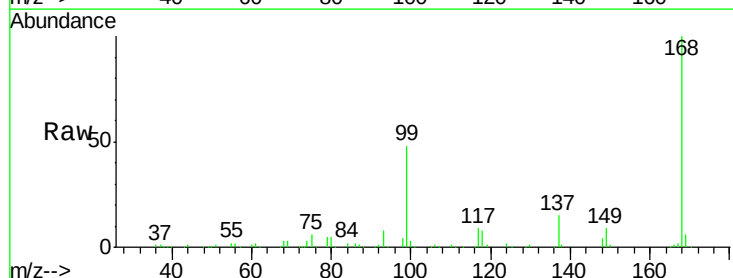
Tgt Ion: 75 Resp: 16164

Ion Ratio Lower Upper

75 100

110 9.9 18.9 56.7#

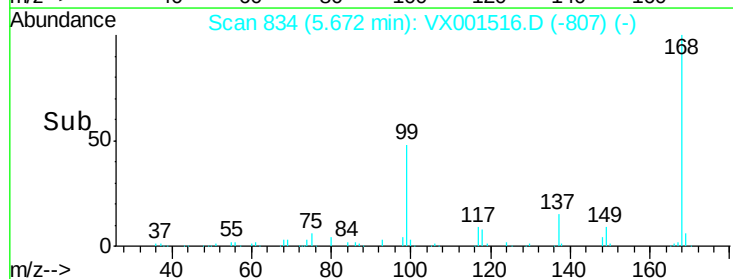
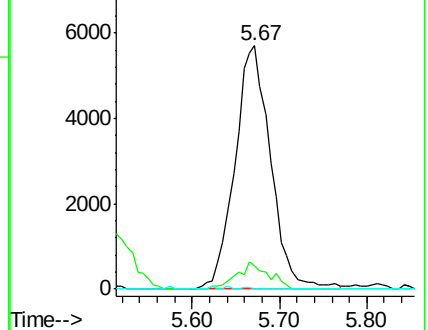
77 0.2 24.9 37.3#

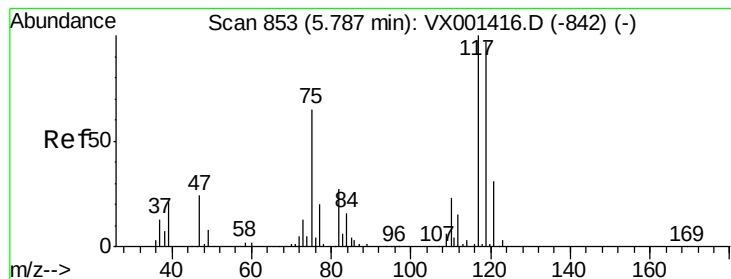


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 4.72 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX001516.D

Acq: 08 May 2018 16:13

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW311I-20180429RE

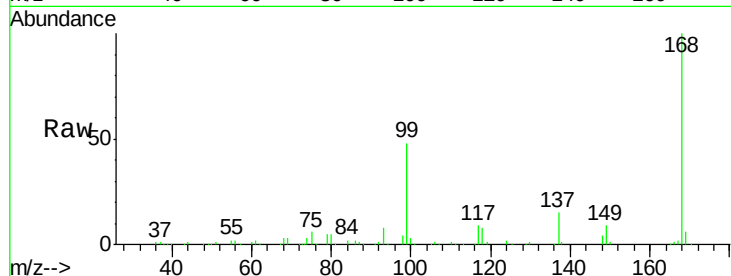
Tgt Ion:117 Resp: 22291

Ion Ratio Lower Upper

117 100

119 5.8 77.0 115.6#

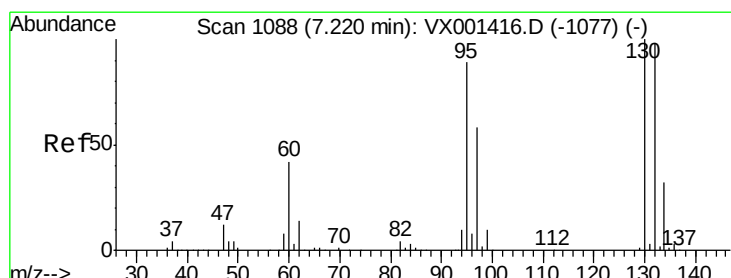
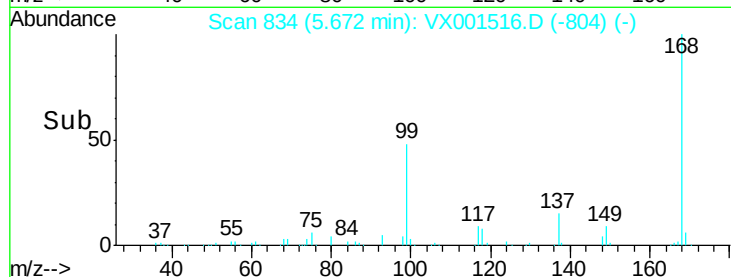
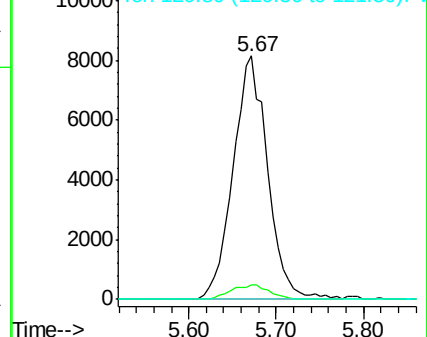
121 0.0 25.1 37.7#



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: 2.21 ug/l

RT: 7.22 min Scan# 1088

Delta R.T. 0.00 min

Lab File: VX001516.D

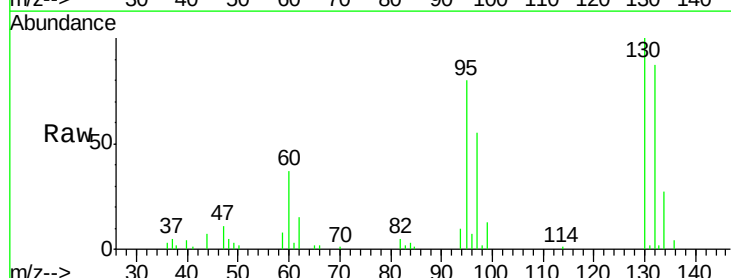
Acq: 08 May 2018 16:13

Tgt Ion:130 Resp: 8746

Ion Ratio Lower Upper

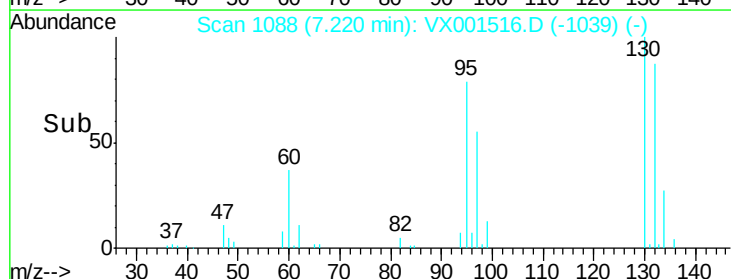
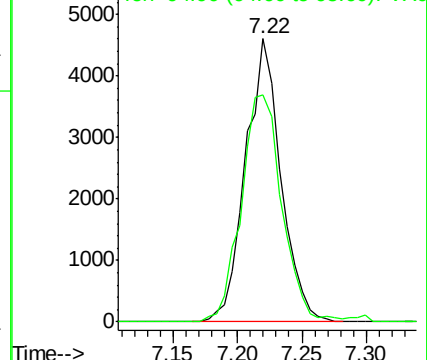
130 100

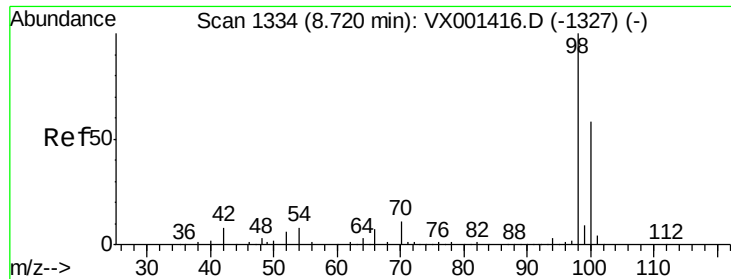
95 80.2 0.0 178.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

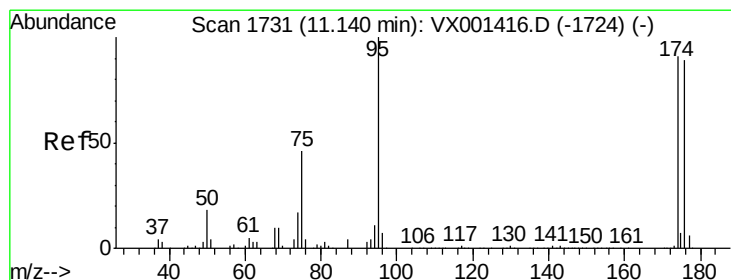
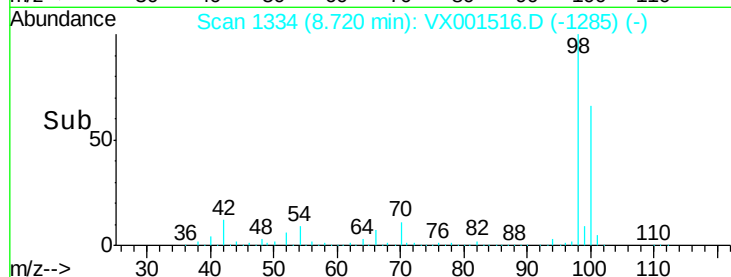
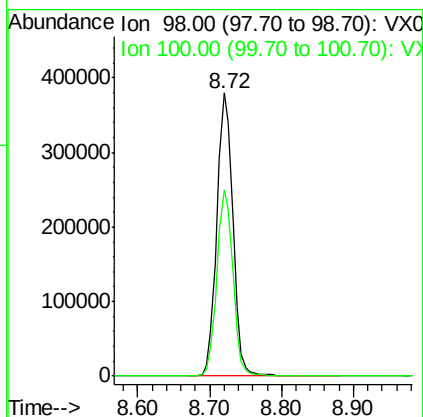
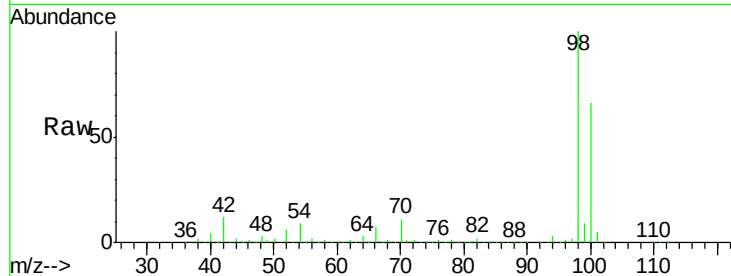




#50
Toluene-d8
Concen: 52.03 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX001516.D
Acq: 08 May 2018 16:13

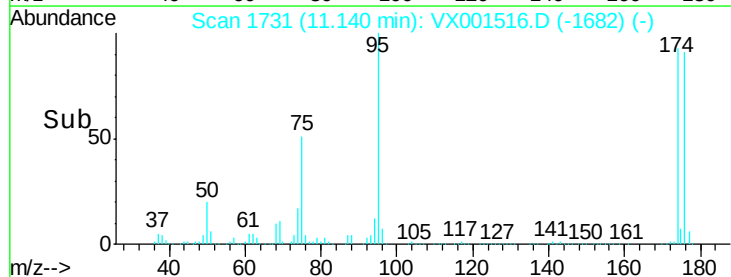
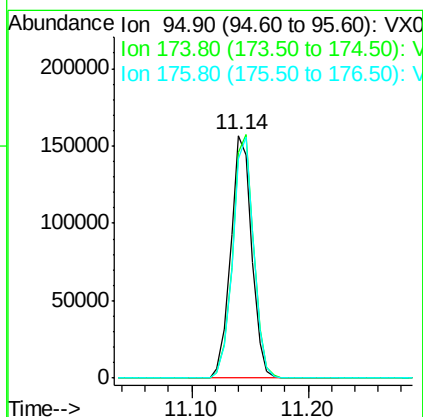
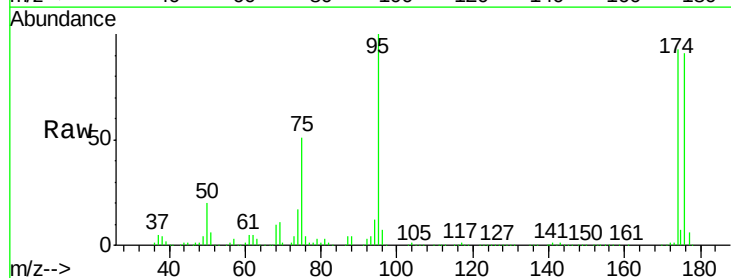
Instrument :
MSVOA_X
ClientSampleId :
BPS1-TT-MW311I-20180429RE

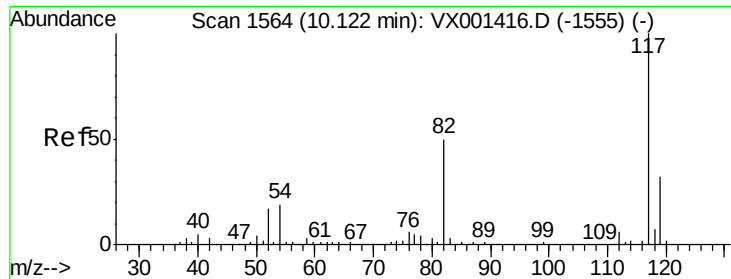
Tgt Ion: 98 Resp: 587881
Ion Ratio Lower Upper
98 100
100 65.7 54.0 81.0



#62
4-Bromofluorobenzene
Concen: 45.26 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX001516.D
Acq: 08 May 2018 16:13

Tgt Ion: 95 Resp: 196292
Ion Ratio Lower Upper
95 100
174 100.0 0.0 202.0
176 98.4 0.0 197.4

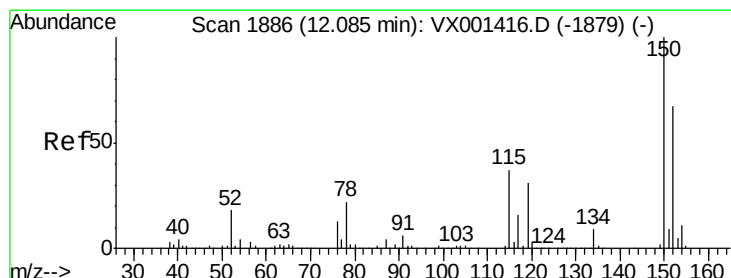
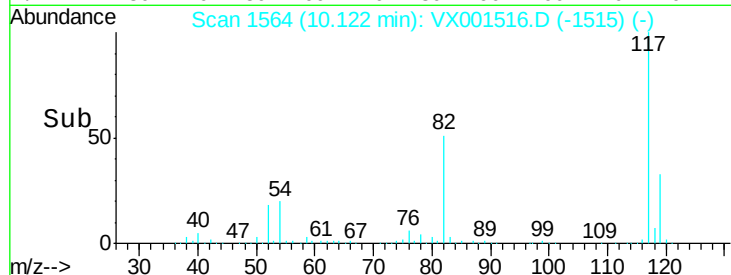
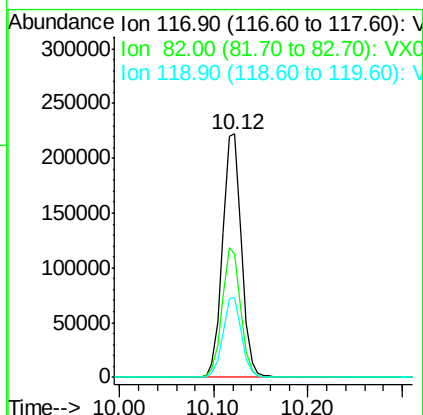
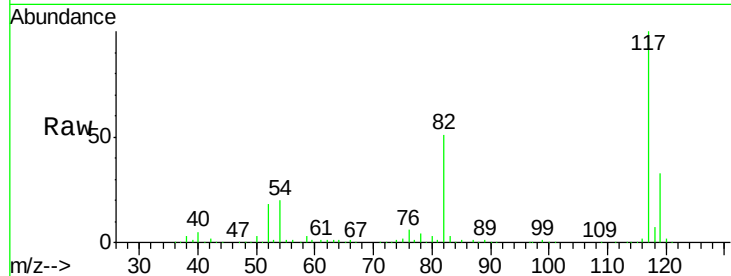




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VX001516.D
Acq: 08 May 2018 16:13

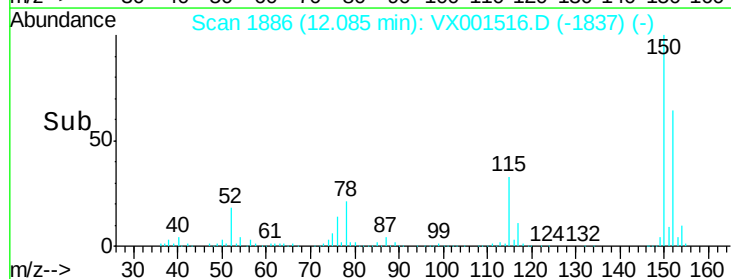
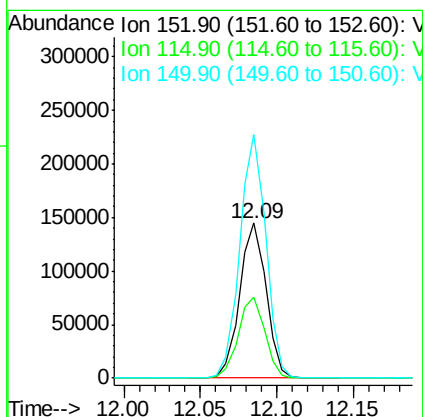
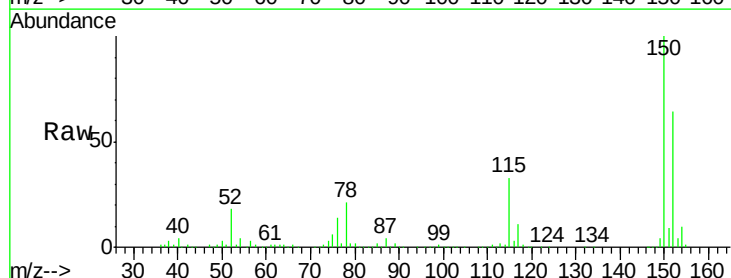
Instrument :
MSVOA_X
ClientSampleId :
BPS1-TT-MW311I-20180429RE

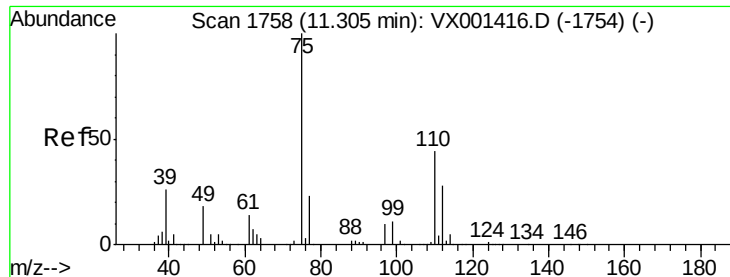
Tgt Ion:117 Resp: 308100
Ion Ratio Lower Upper
117 100
82 50.8 40.0 60.0
119 32.5 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX001516.D
Acq: 08 May 2018 16:13

Tgt Ion:152 Resp: 172991
Ion Ratio Lower Upper
152 100
115 52.8 37.7 113.1
150 155.6 0.0 349.4

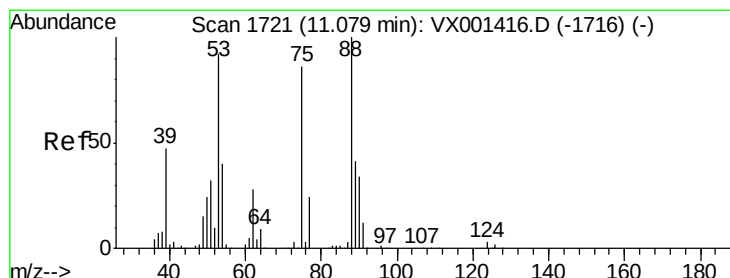
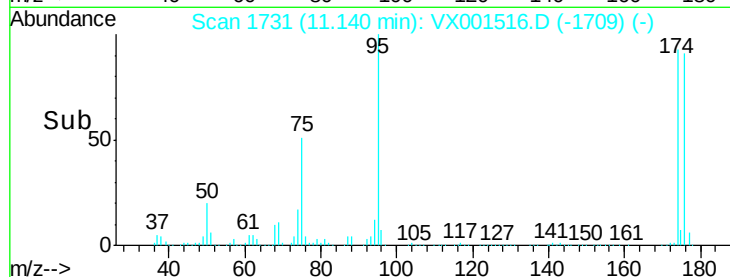
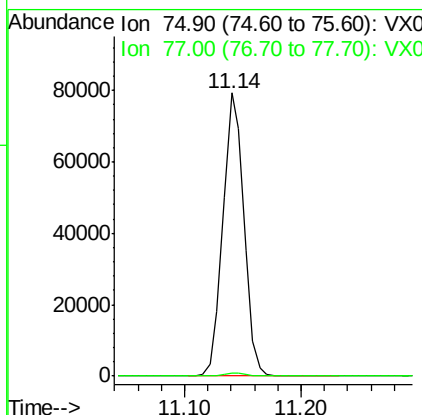
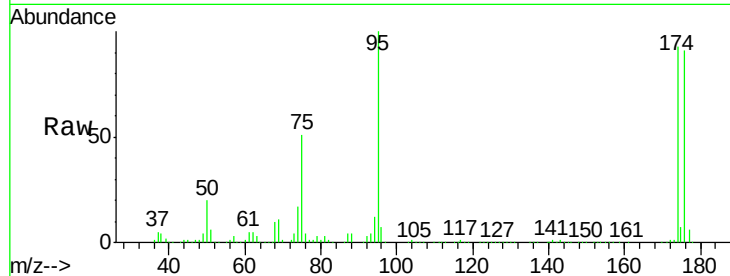




#76
 1,2,3-Trichloropropane
 Concen: 28.11 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX001516.D
 Acq: 08 May 2018 16:13

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

Tgt Ion: 75 Resp: 98614
 Ion Ratio Lower Upper
 75 100
 77 1.2 19.6 58.7#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 86.22 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX001516.D
 Acq: 08 May 2018 16:13

Tgt Ion: 75 Resp: 98614
 Ion Ratio Lower Upper
 75 100
 53 0.1 84.5 126.7#
 89 0.0 39.5 59.3#

