

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX050618\
 Data File : VX001455.D
 Acq On : 06 May 2018 20:11
 Operator : JC/MD
 Sample : J2659-19
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BPS1-TT-MW301D-20180429

Quant Time: May 07 07:12:01 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	279866	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	383165	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	335188	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	182500	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	252090	62.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	125.34%	
35) Dibromofluoromethane	5.51	113	194141	56.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.92%	
50) Toluene-d8	8.72	98	676744	54.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.80%	
62) 4-Bromofluorobenzene	11.14	95	224567	47.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.04%	

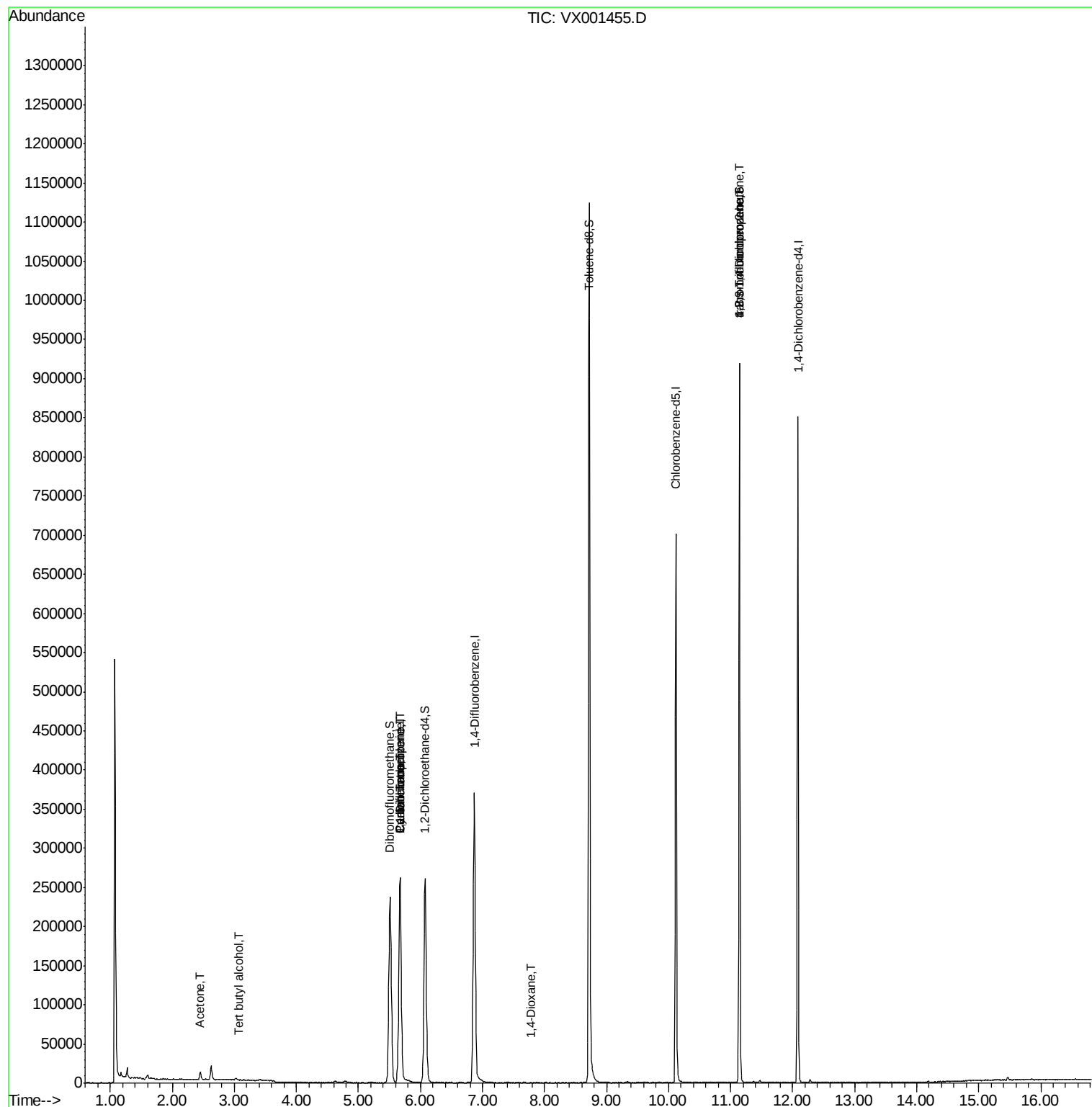
Target Compounds						Qvalue
5) Bromomethane	1.65	94	641	Below Cal	#	54
11) Tert butyl alcohol	3.07	59	361	0.43	ug/l #	72
13) Acrolein	2.31	56	115	Below Cal	#	68
16) Acetone	2.45	43	10376	5.68	ug/l	95
31) Cyclohexane	5.67	56	4999	0.97	ug/l #	23
36) 1,1-Dichloropropene	5.67	75	16762	3.44	ug/l #	49
38) Carbon Tetrachloride	5.67	117	23824	4.58	ug/l #	15
49) 1,4-Dioxane	7.79	88	22	0.23	ug/l #	24
76) 1,2,3-Trichloropropane	11.14	75	113307	30.61	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.14	75	113307	93.52	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: VX001455.D

Acq: 06 May 2018 20:11

Instrument :

MSVOA_X

ClientSampleId :

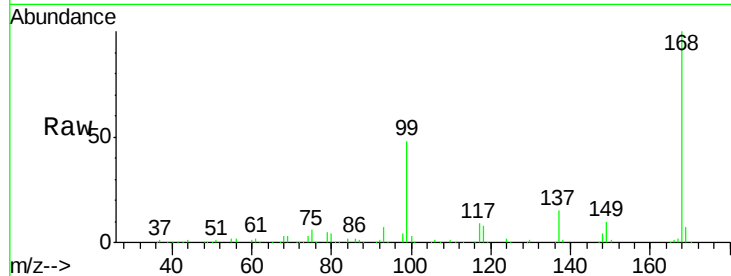
BPS1-TT-MW301D-20180429

Tgt Ion:168 Resp: 279866

Ion Ratio Lower Upper

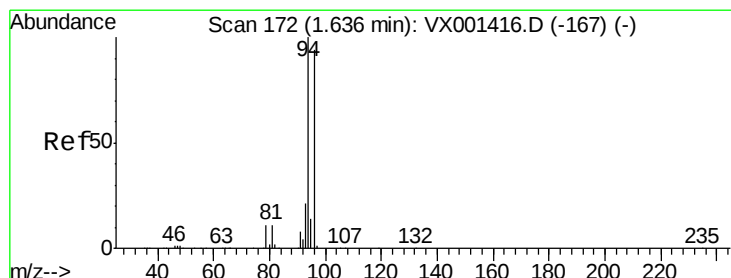
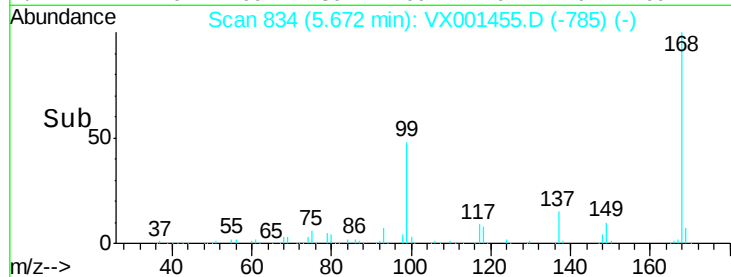
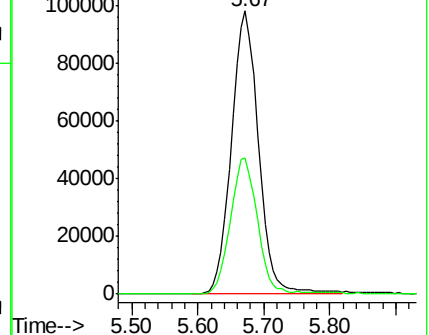
168 100

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

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX001455.D

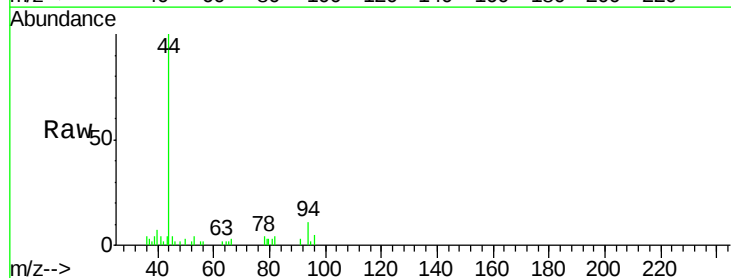
Acq: 06 May 2018 20:11

Tgt Ion: 94 Resp: 641

Ion Ratio Lower Upper

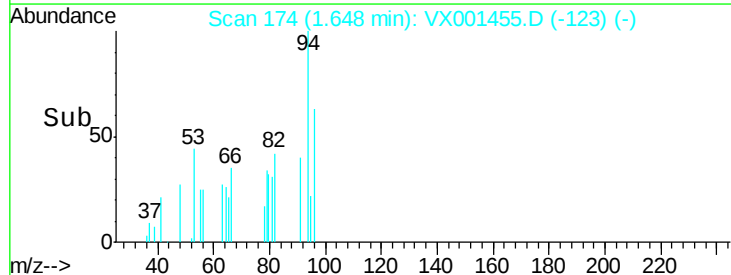
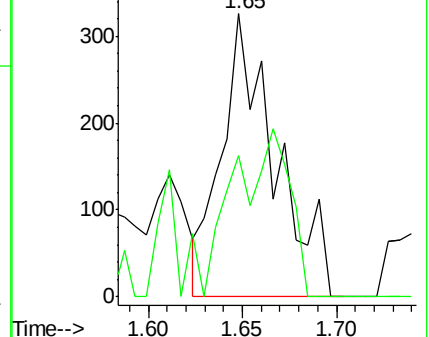
94 100

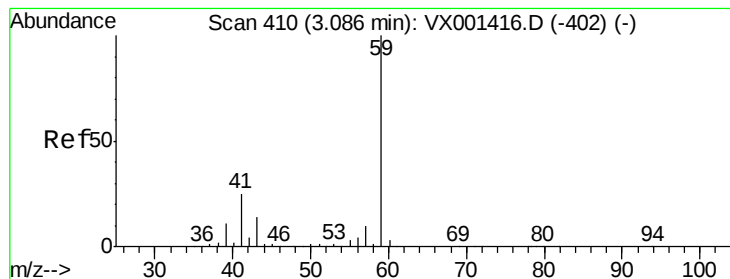
96 49.7 75.0 112.6#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



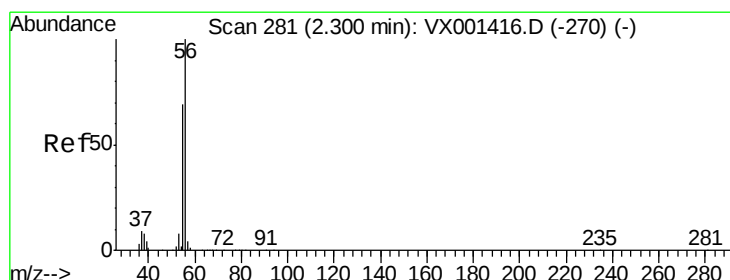
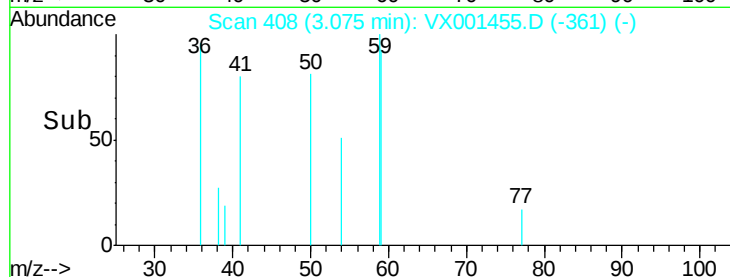
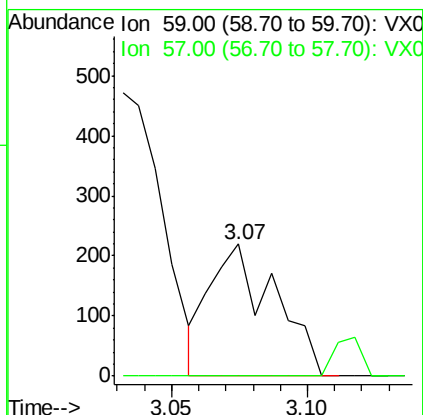
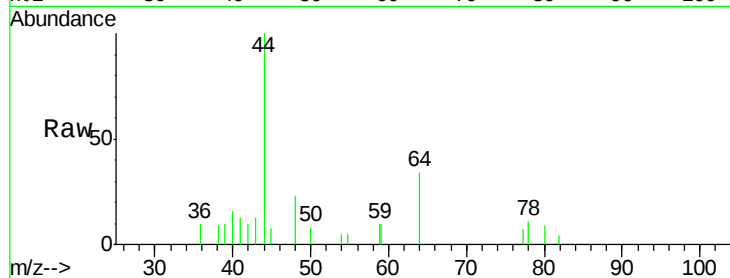


#11

Tert butyl alcohol
 Concen: 0.43 ug/l
 RT: 3.07 min Scan# 408
 Delta R.T. -0.01 min
 Lab File: VX001455.D
 Acq: 06 May 2018 20:11

Instrument :
 MSVOA_X
 ClientSampleId :
 BPS1-TT-MW301D-20180429

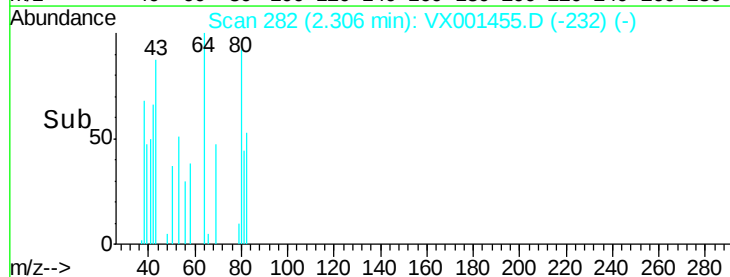
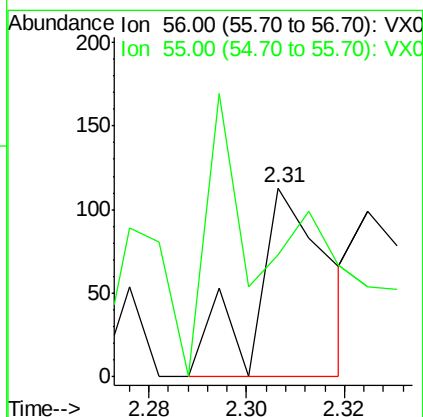
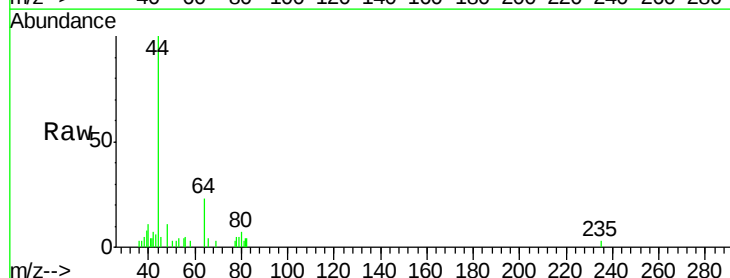
Tgt Ion: 59 Resp: 361
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.4#

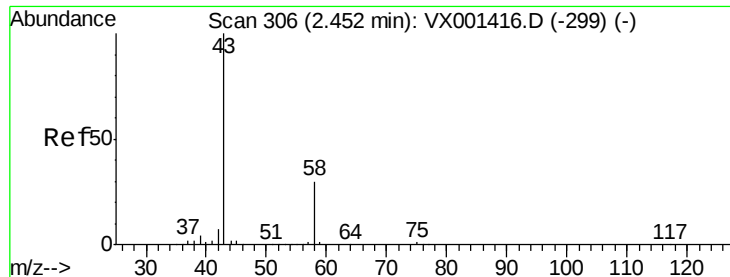


#13

Acrolein
 Concen: Below Cal
 RT: 2.31 min Scan# 282
 Delta R.T. 0.01 min
 Lab File: VX001455.D
 Acq: 06 May 2018 20:11

Tgt Ion: 56 Resp: 115
 Ion Ratio Lower Upper
 56 100
 55 93.9 54.5 81.7#





#16

Acetone

Concen: 5.68 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX001455.D

Acq: 06 May 2018 20:11

Instrument :

MSVOA_X

ClientSampleId :

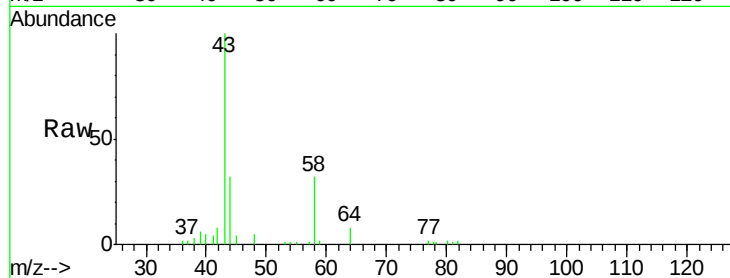
BPS1-TT-MW301D-20180429

Tgt Ion: 43 Resp: 10376

Ion Ratio Lower Upper

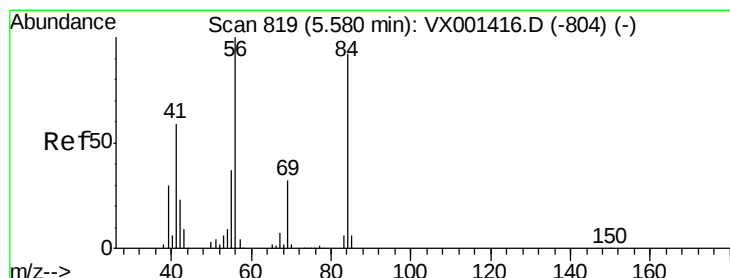
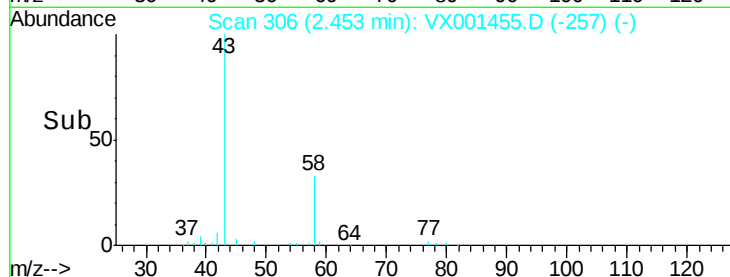
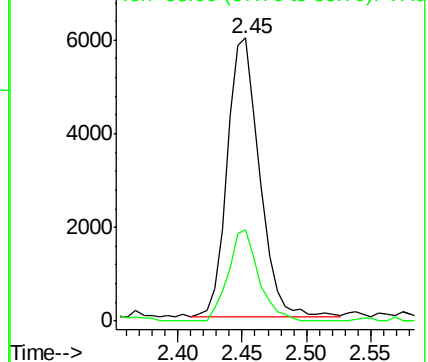
43 100

58 32.7 23.8 35.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#31

Cyclohexane

Concen: 0.97 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.09 min

Lab File: VX001455.D

Acq: 06 May 2018 20:11

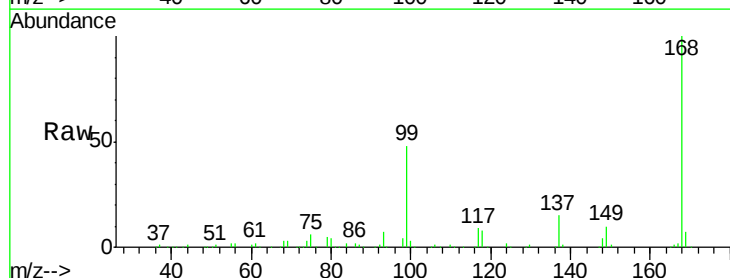
Tgt Ion: 56 Resp: 4999

Ion Ratio Lower Upper

56 100

69 148.5 25.4 38.0#

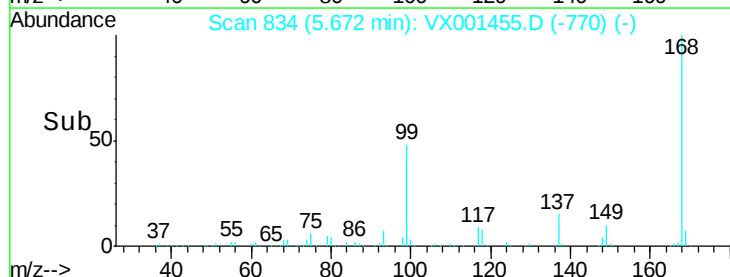
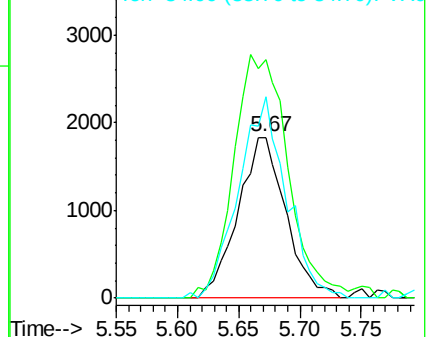
84 121.9 73.8 110.8#

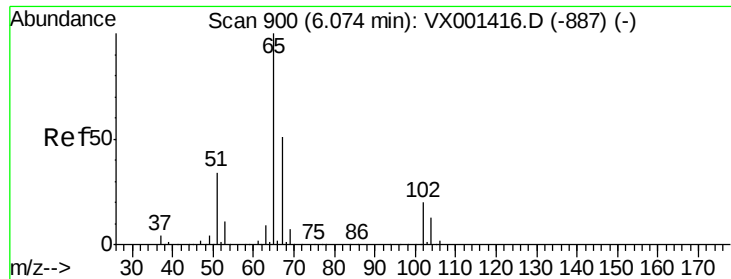


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 62.67 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.00 min

Lab File: VX001455.D

Acq: 06 May 2018 20:11

Instrument :

MSVOA_X

ClientSampleId :

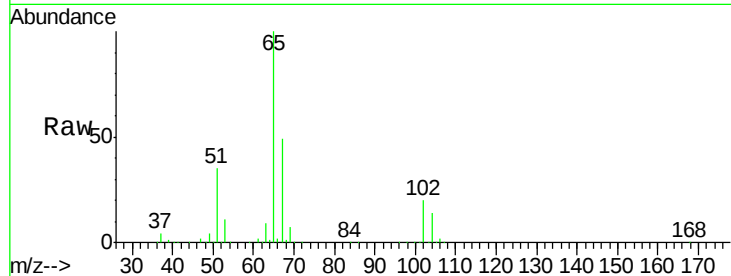
BPS1-TT-MW301D-20180429

Tgt Ion: 65 Resp: 252090

Ion Ratio Lower Upper

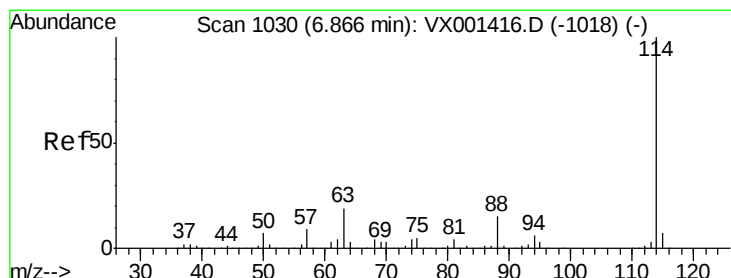
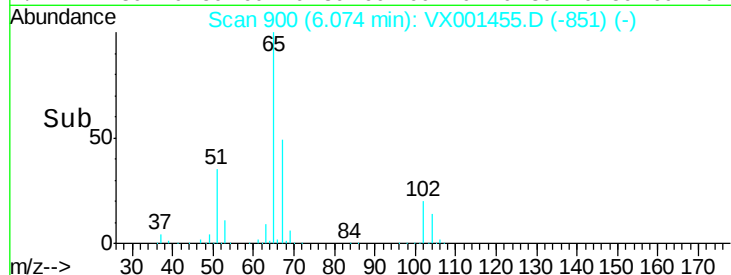
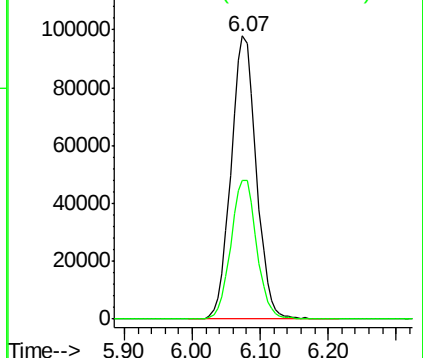
65 100

67 50.2 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: VX001455.D

Acq: 06 May 2018 20:11

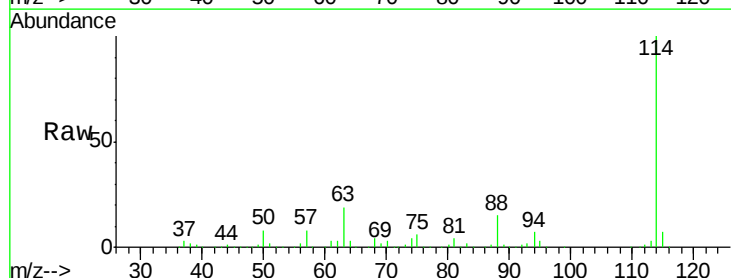
Tgt Ion: 114 Resp: 383165

Ion Ratio Lower Upper

114 100

63 19.4 0.0 38.6

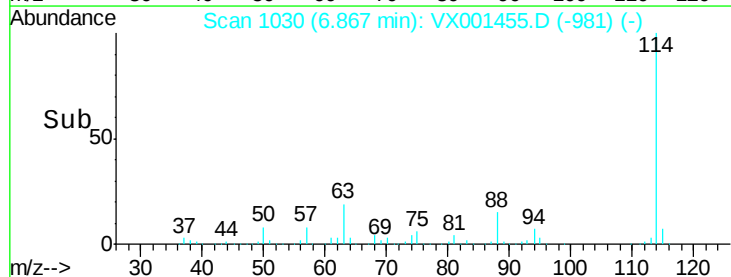
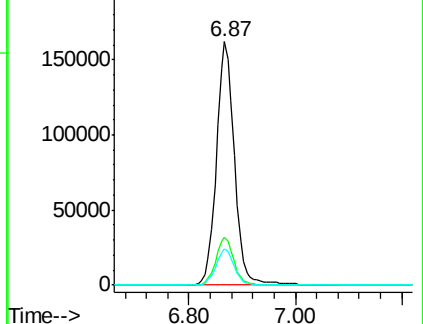
88 14.8 0.0 30.8

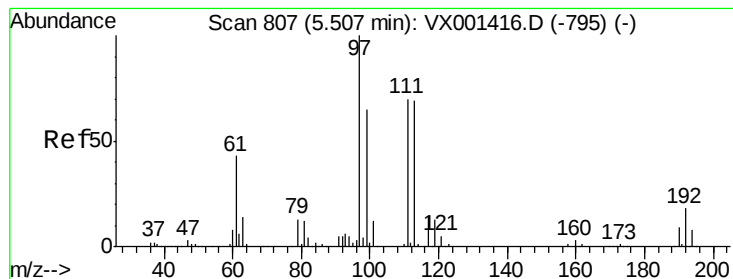


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 56.96 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.01 min

Lab File: VX001455.D

Acq: 06 May 2018 20:11

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW301D-20180429

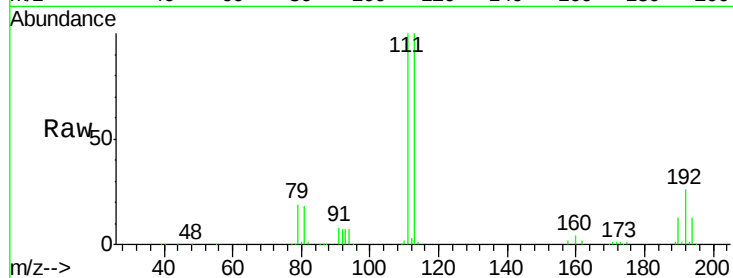
Tgt Ion:113 Resp: 194141

Ion Ratio Lower Upper

113 100

111 102.1 82.2 123.2

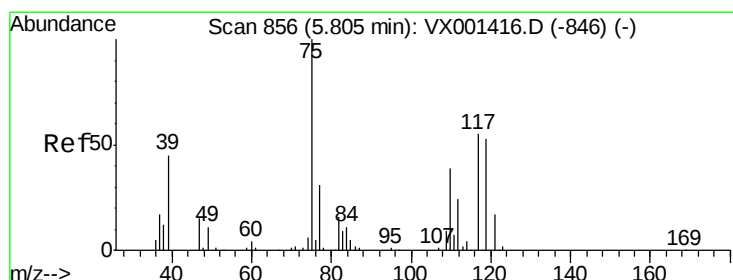
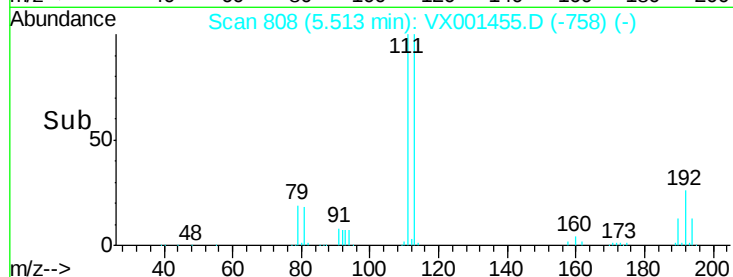
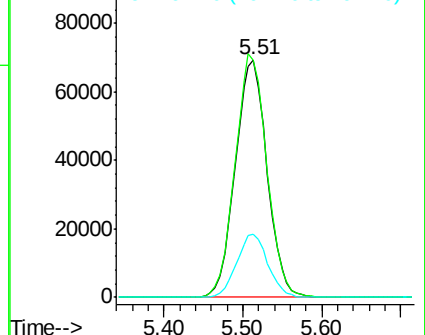
192 26.2 21.4 32.0



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: 3.44 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.13 min

Lab File: VX001455.D

Acq: 06 May 2018 20:11

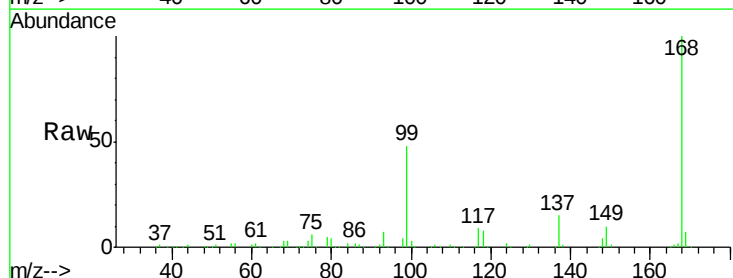
Tgt Ion: 75 Resp: 16762

Ion Ratio Lower Upper

75 100

110 10.2 18.9 56.7#

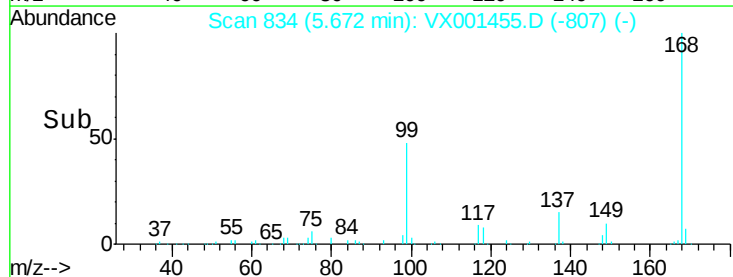
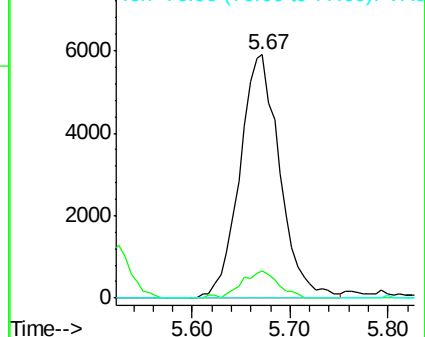
77 0.0 24.9 37.3#

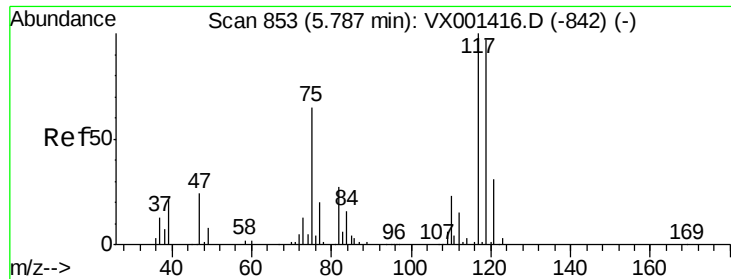


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 4.58 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX001455.D

Acq: 06 May 2018 20:11

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW301D-20180429

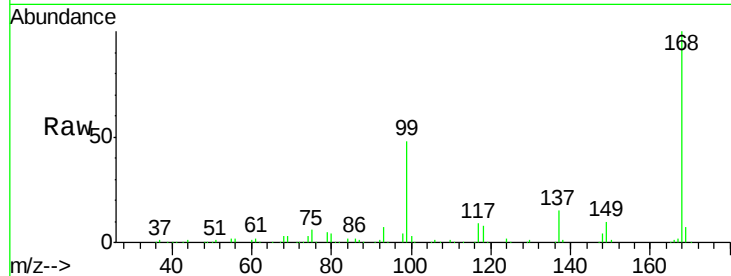
Tgt Ion:117 Resp: 23824

Ion Ratio Lower Upper

117 100

119 4.5 77.0 115.6#

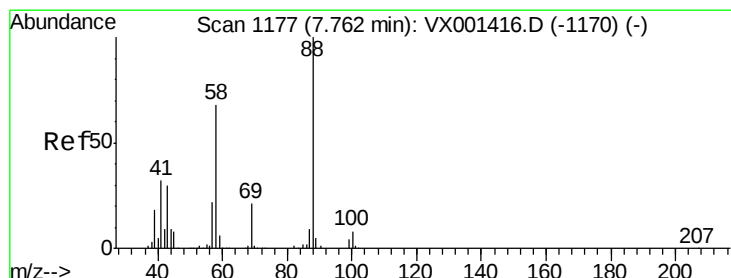
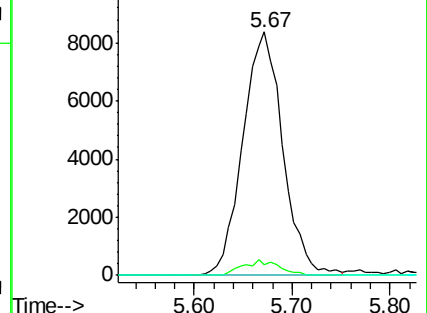
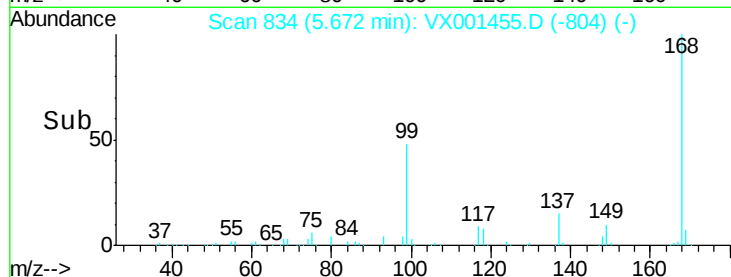
121 0.0 25.1 37.7#



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



#49

1,4-Dioxane

Concen: 0.23 ug/l

RT: 7.79 min Scan# 1182

Delta R.T. 0.03 min

Lab File: VX001455.D

Acq: 06 May 2018 20:11

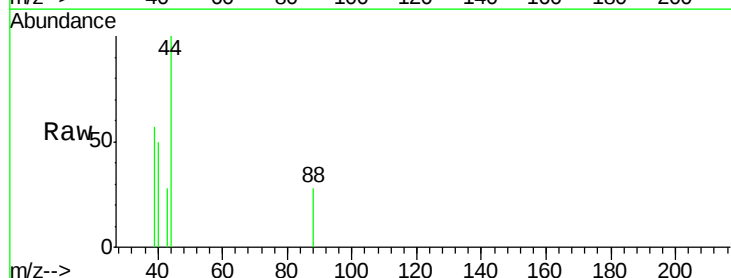
Tgt Ion: 88 Resp: 22

Ion Ratio Lower Upper

88 100

43 0.0 26.4 39.6#

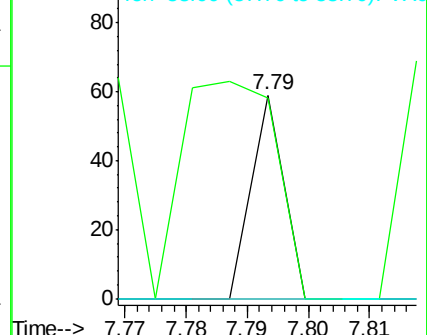
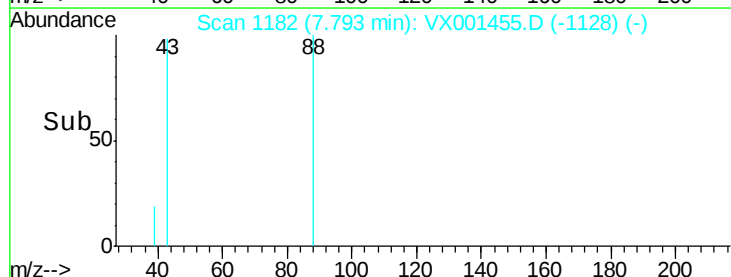
58 0.0 54.1 81.1#

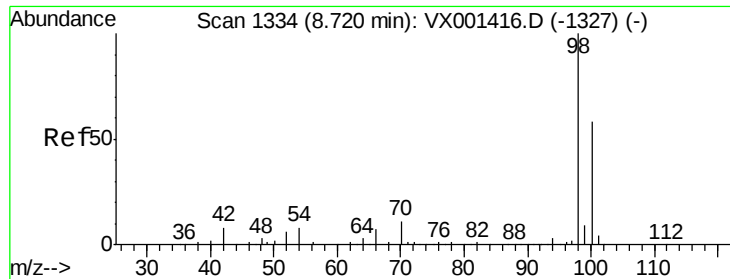


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 54.40 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX001455.D

Acq: 06 May 2018 20:11

Instrument :

MSVOA_X

ClientSampleId :

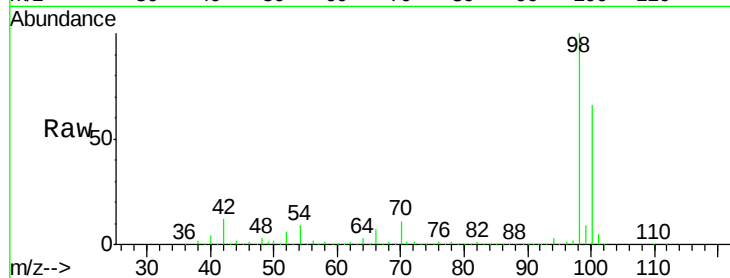
BPS1-TT-MW301D-20180429

Tgt Ion: 98 Resp: 676744

Ion Ratio Lower Upper

98 100

100 65.6 54.0 81.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX

8.72

400000

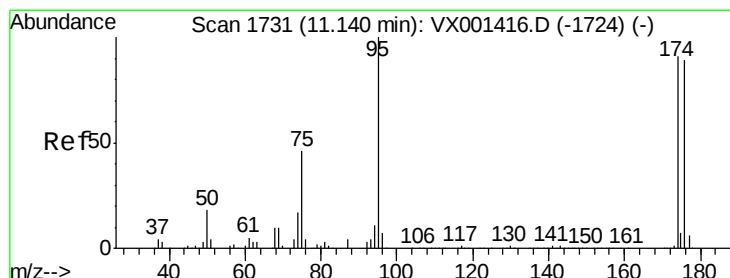
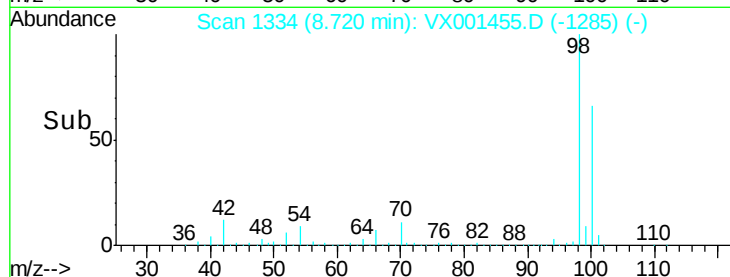
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 47.02 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX001455.D

Acq: 06 May 2018 20:11

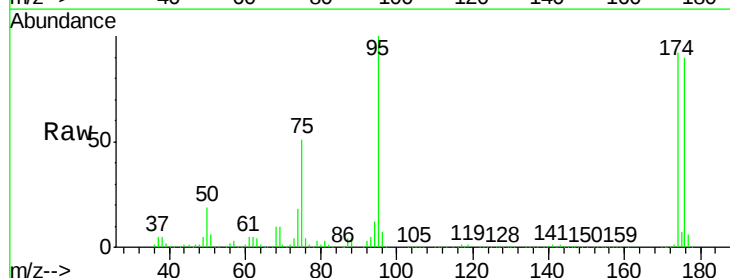
Tgt Ion: 95 Resp: 224567

Ion Ratio Lower Upper

95 100

174 100.3 0.0 202.0

176 98.5 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

11.14

200000

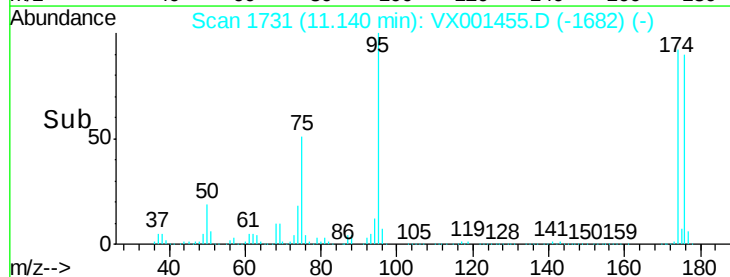
150000

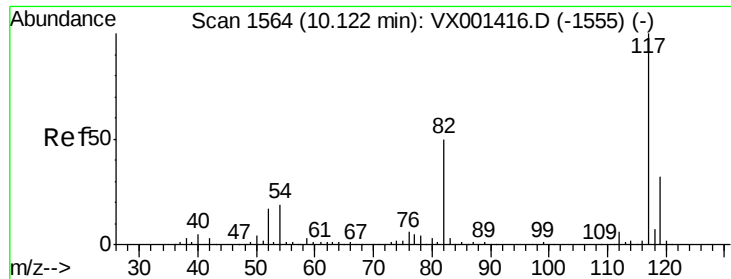
100000

50000

0

Time-->

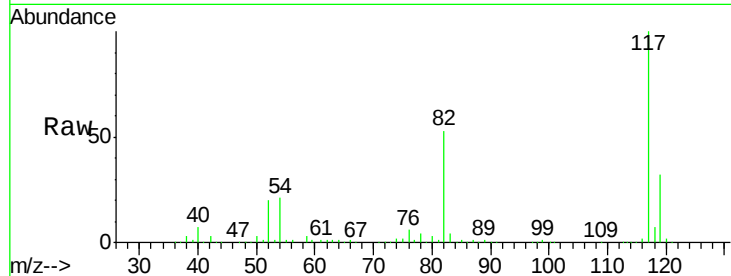




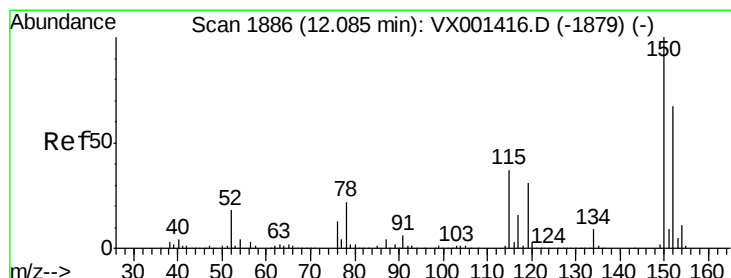
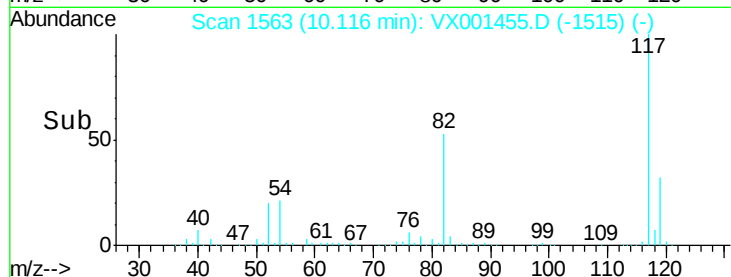
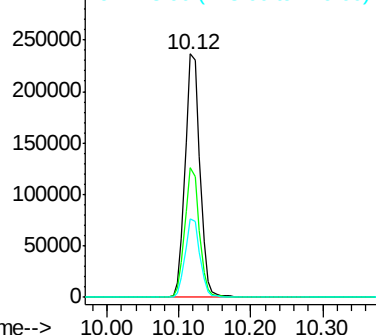
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.01 min
Lab File: VX001455.D
Acq: 06 May 2018 20:11

Instrument :
MSVOA_X
ClientSampleId :
BPS1-TT-MW301D-20180429

Tgt Ion:117 Resp: 335188
Ion Ratio Lower Upper
117 100
82 53.2 40.0 60.0
119 32.3 25.8 38.8

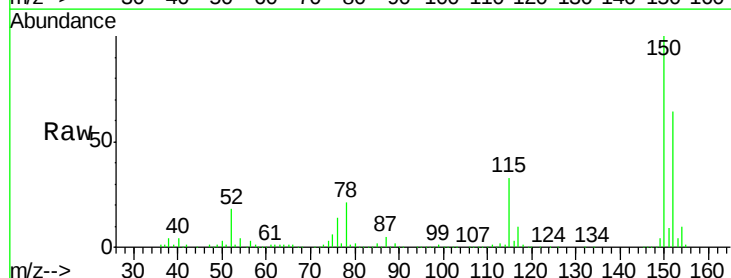


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

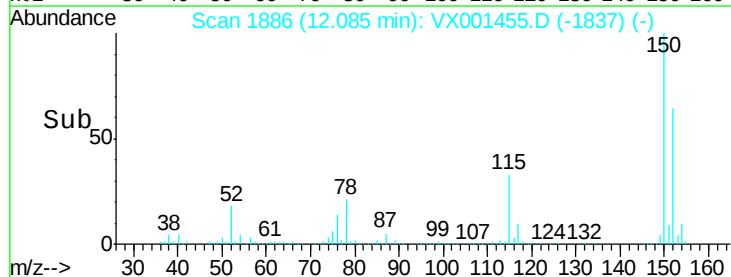
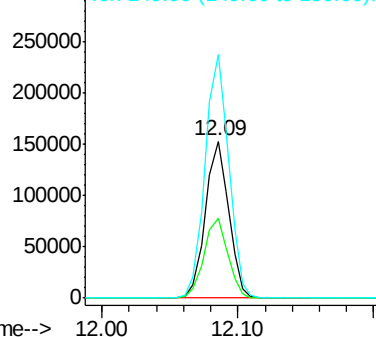


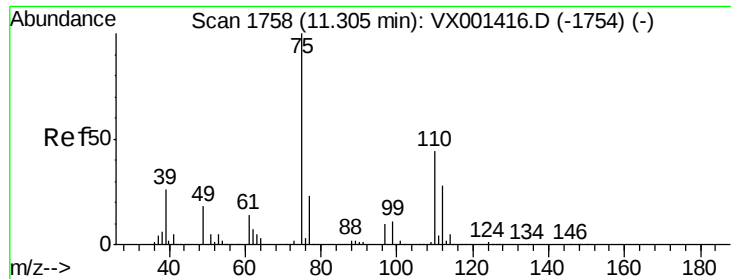
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX001455.D
Acq: 06 May 2018 20:11

Tgt Ion:152 Resp: 182500
Ion Ratio Lower Upper
152 100
115 52.1 37.7 113.1
150 157.4 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: 30.61 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001455.D

Acq: 06 May 2018 20:11

Instrument :

MSVOA_X

ClientSampleId :

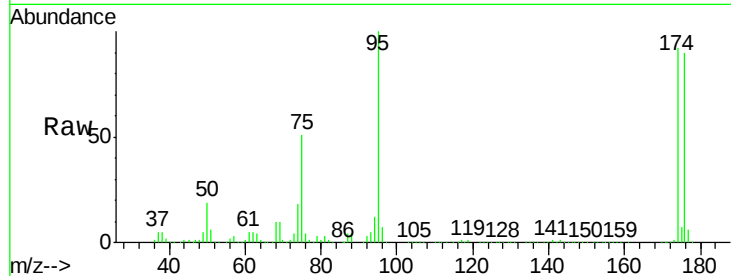
BPS1-TT-MW301D-20180429

Tgt Ion: 75 Resp: 113307

Ion Ratio Lower Upper

75 100

77 1.0 19.6 58.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.14

100000

80000

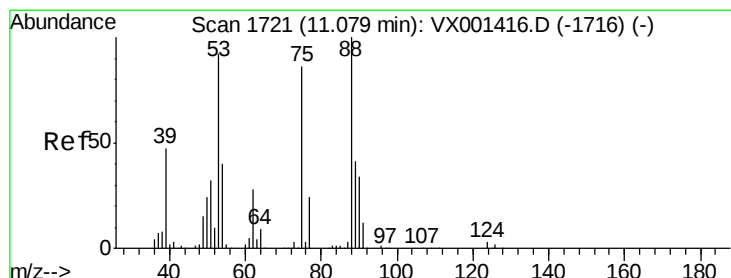
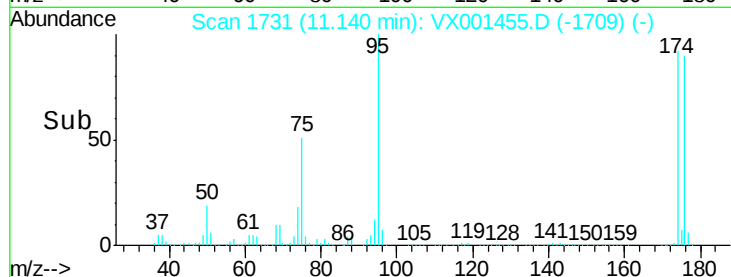
60000

40000

20000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 93.52 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX001455.D

Acq: 06 May 2018 20:11

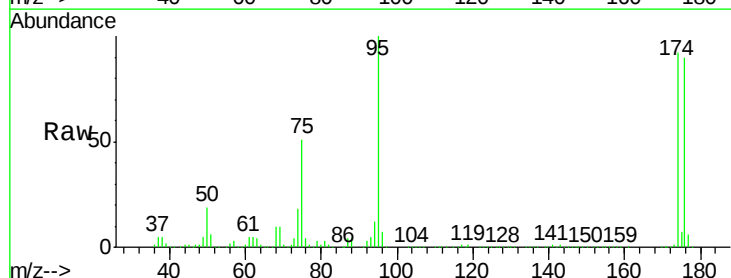
Tgt Ion: 75 Resp: 113307

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

11.14

120000

100000

80000

60000

40000

20000

0

Time-->

