

Data File : VX001688.D

Acq On : 13 May 2018 01:08

Operator : JC/MD

Sample : PB109200ZHE#04

Misc : 5.0mL/MSVOA_X/WATER

ALS Vial : 32 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PB109200ZHE#04

Quant Time: May 14 06:09:26 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	274025	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	372498	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	329314	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	175320	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	181491	46.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.16%	
35) Dibromofluoromethane	5.51	113	144710	43.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.36%	
50) Toluene-d8	8.72	98	517967	42.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.66%	
62) 4-Bromofluorobenzene	11.14	95	165450	35.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	71.28%	

Target Compounds

						Qvalue
5) Bromomethane	1.65	94	1200	Below Cal	#	79
6) Chloroethane	1.72	64	547	0.22	ug/l #	44
13) Acrolein	2.30	56	129	Below Cal	#	1
16) Acetone	2.45	43	7606	4.25	ug/l	93
18) Methyl Acetate	2.78	43	22883	4.87	ug/l	97
20) Methylene Chloride	2.86	84	2701	0.76	ug/l	97
25) 2-Butanone	4.71	43	2017	0.78	ug/l	92
29) Tetrahydrofuran	5.18	42	421	0.25	ug/l #	52
31) Cyclohexane	5.67	56	4556	0.90	ug/l #	21
36) 1,1-Dichloropropene	5.67	75	16882	3.56	ug/l #	49
38) Carbon Tetrachloride	5.67	117	23215	4.59	ug/l #	16
54) cis-1,3-Dichloropropene	9.04	75	24	2.27	ug/l #	24
76) 1,2,3-Trichloropropane	11.14	75	79884	22.47	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.14	75	79884	69.78	ug/l #	7

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

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ALS Vial : 32 Sample Multiplier: 1

Instrument :

MSVOA_X

ClientSampleId :

PB109200ZHE#04

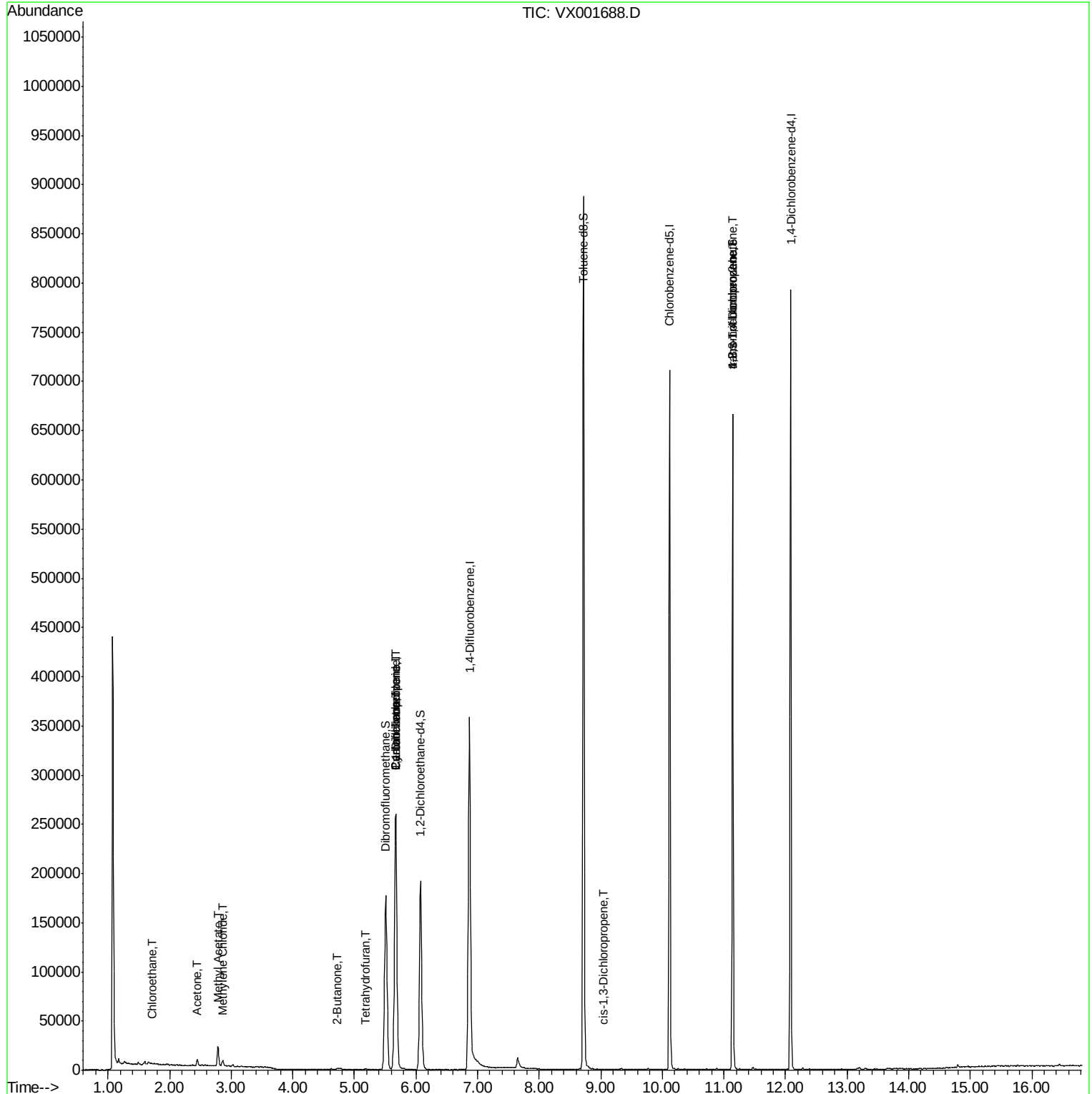
Quant Time: May 14 06:09:26 2018

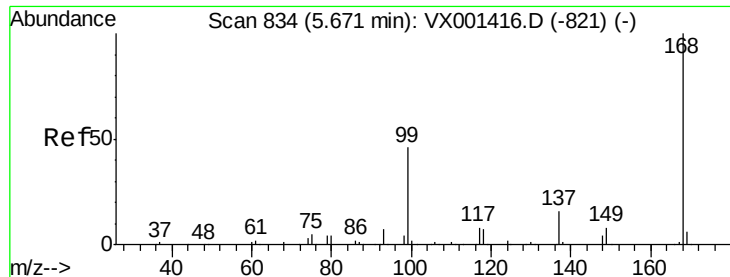
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050518W.M

Quant Title : SW846 8260

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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: VX001688.D

Acq: 13 May 2018 01:08

Instrument :

MSVOA_X

ClientSampleId :

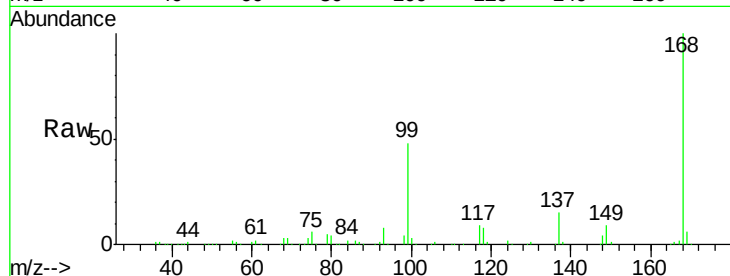
PB109200ZHE#04

Tgt Ion:168 Resp: 274025

Ion Ratio Lower Upper

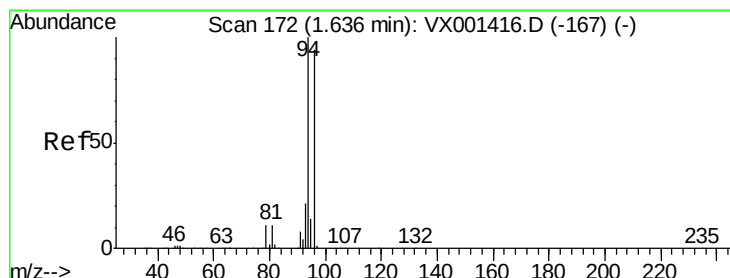
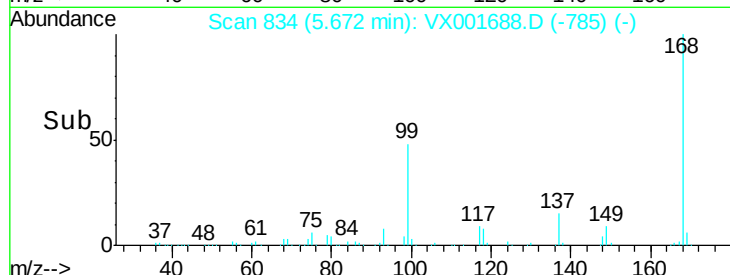
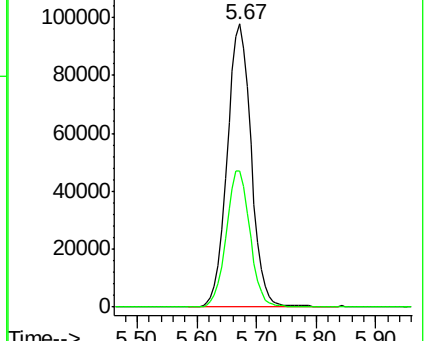
168 100

99 48.2 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# 175

Delta R.T. 0.02 min

Lab File: VX001688.D

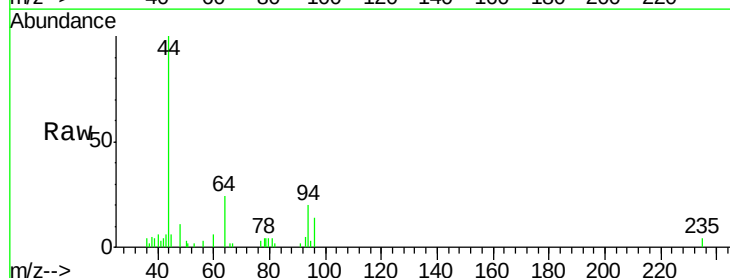
Acq: 13 May 2018 01:08

Tgt Ion: 94 Resp: 1200

Ion Ratio Lower Upper

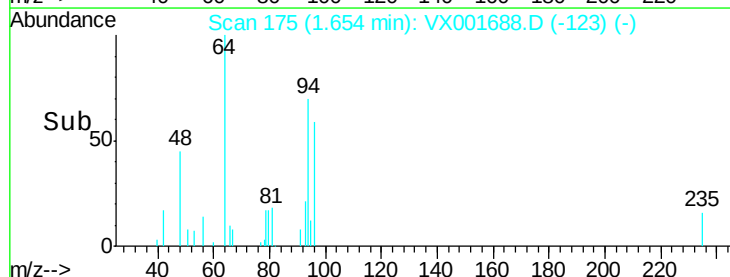
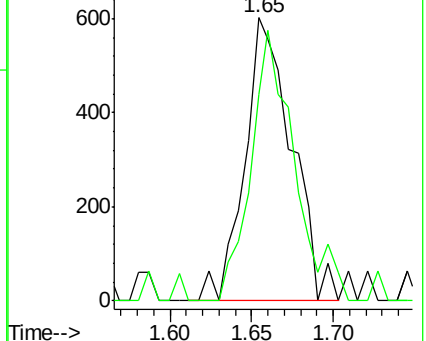
94 100

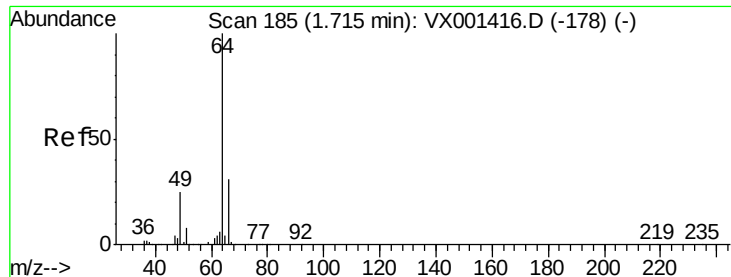
96 73.1 75.0 112.6#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 0.22 ug/l

RT: 1.72 min Scan# 185

Delta R.T. 0.00 min

Lab File: VX001688.D

Acq: 13 May 2018 01:08

Instrument :

MSVOA_X

ClientSampleId :

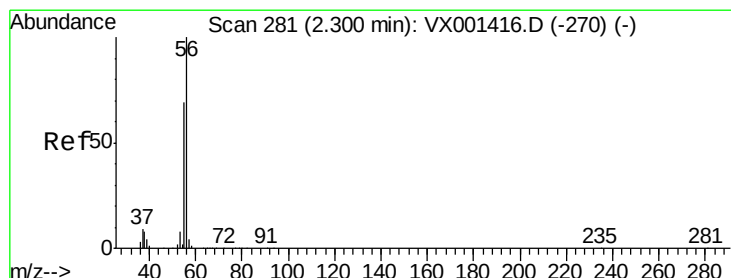
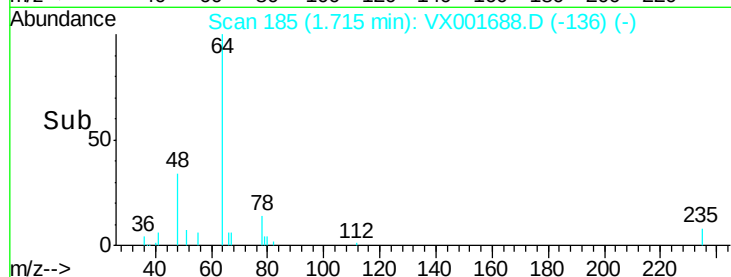
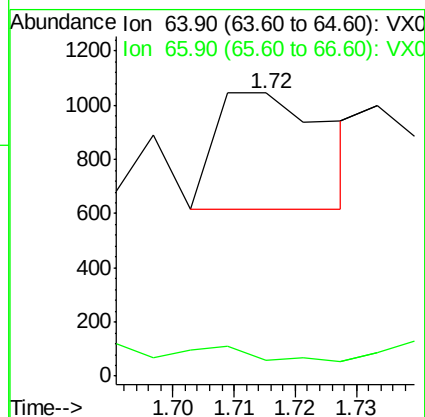
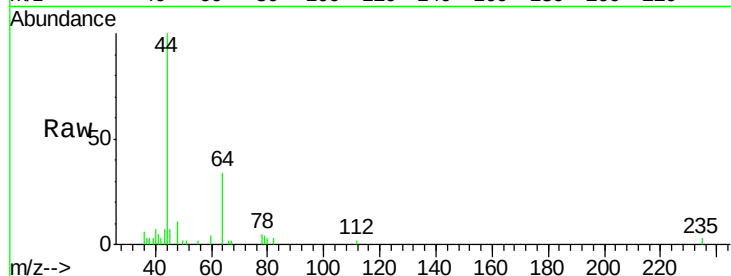
PB109200ZHE#04

Tgt Ion: 64 Resp: 547

Ion Ratio Lower Upper

64 100

66 0.7 25.1 37.7#



#13

Acrolein

Concen: Below Cal

RT: 2.30 min Scan# 281

Delta R.T. 0.00 min

Lab File: VX001688.D

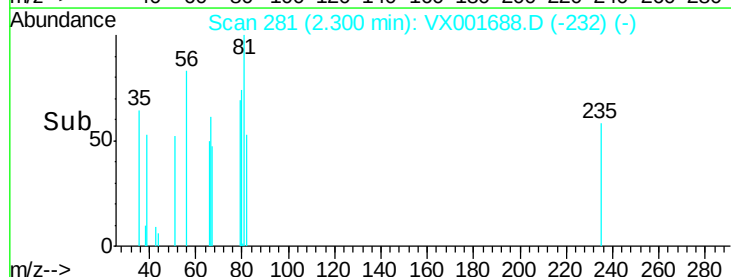
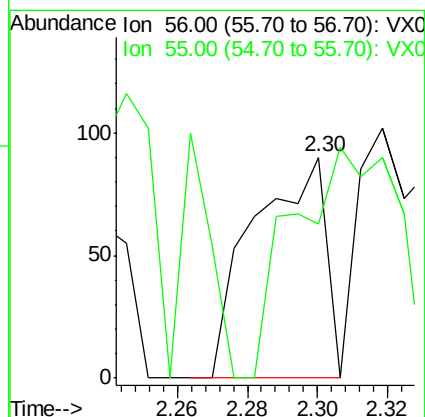
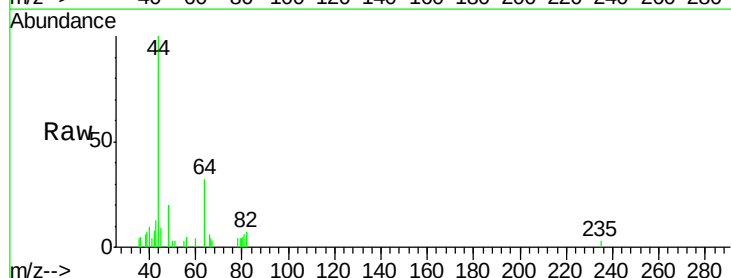
Acq: 13 May 2018 01:08

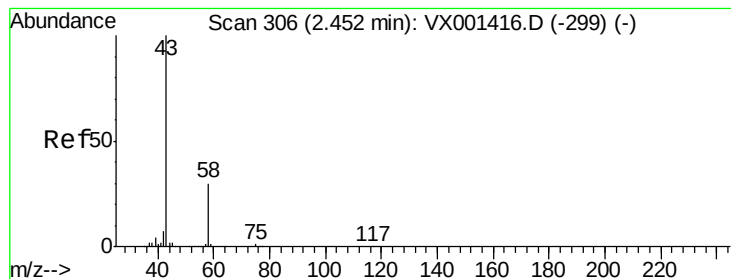
Tgt Ion: 56 Resp: 129

Ion Ratio Lower Upper

56 100

55 149.6 54.5 81.7#





#16

Acetone

Concen: 4.25 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX001688.D

Acq: 13 May 2018 01:08

Instrument :

MSVOA_X

ClientSampleId :

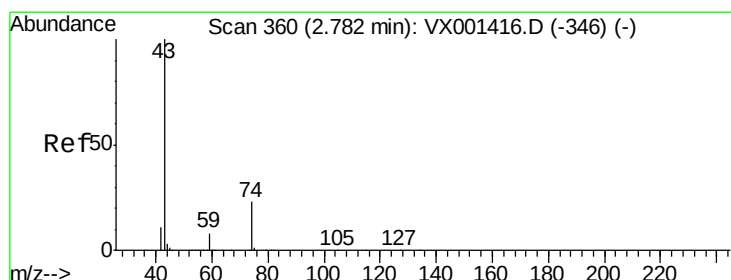
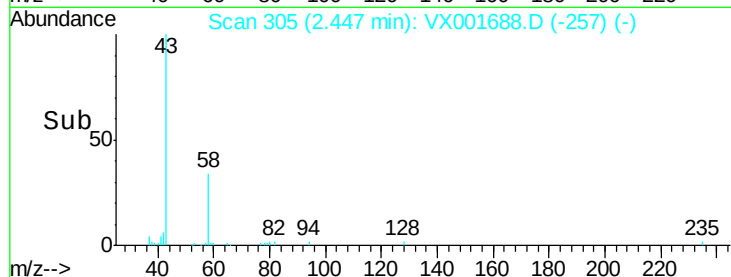
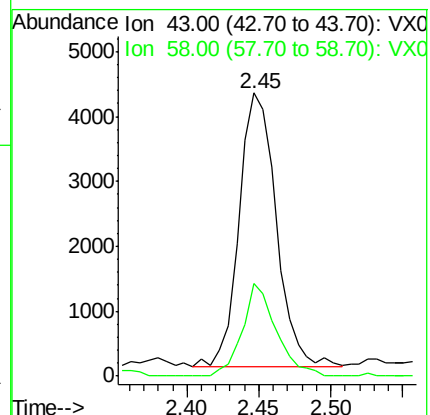
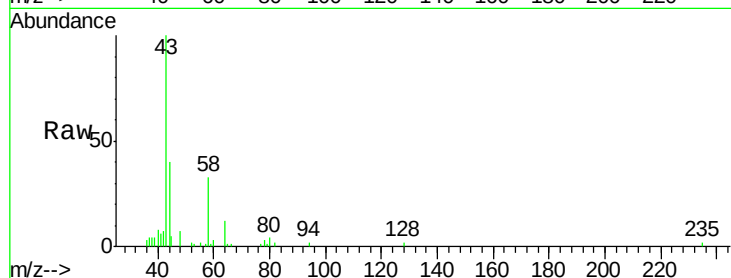
PB109200ZHE#04

Tgt Ion: 43 Resp: 7606

Ion Ratio Lower Upper

43 100

58 33.7 23.8 35.8



#18

Methyl Acetate

Concen: 4.87 ug/l

RT: 2.78 min Scan# 360

Delta R.T. 0.00 min

Lab File: VX001688.D

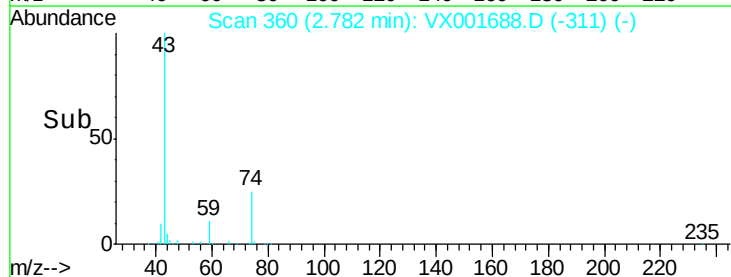
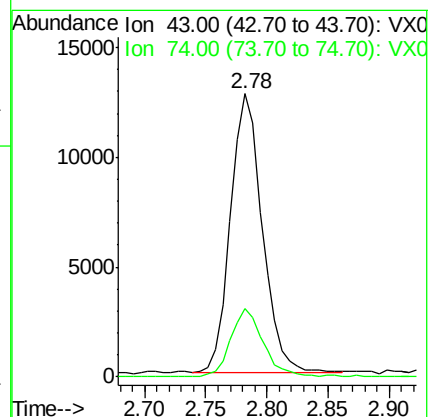
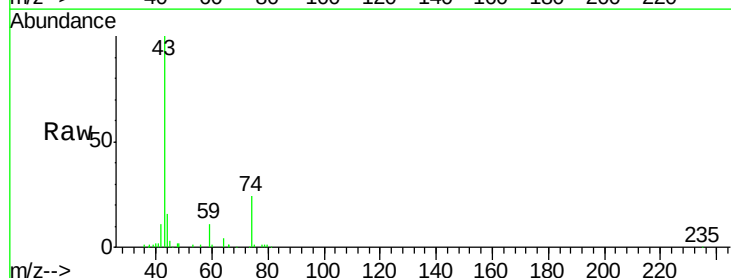
Acq: 13 May 2018 01:08

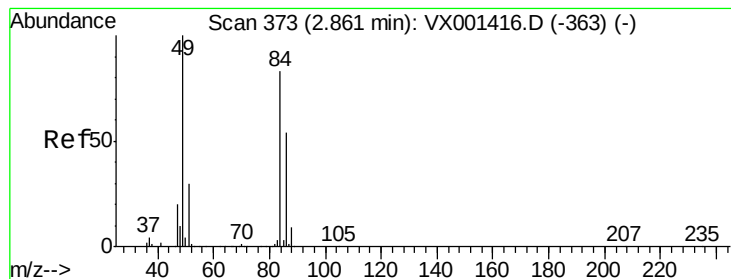
Tgt Ion: 43 Resp: 22883

Ion Ratio Lower Upper

43 100

74 24.7 18.6 27.8





#20

Methylene Chloride

Concen: 0.76 ug/l

RT: 2.86 min Scan# 373

Delta R.T. 0.00 min

Lab File: VX001688.D

Acq: 13 May 2018 01:08

Instrument :

MSVOA_X

ClientSampleId :

PB109200ZHE#04

Tgt Ion: 84 Resp: 2701

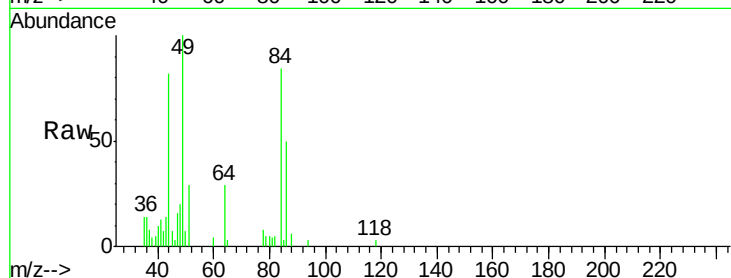
Ion Ratio Lower Upper

84 100

49 119.2 96.6 144.8

51 35.0 29.0 43.4

86 60.2 52.2 78.4

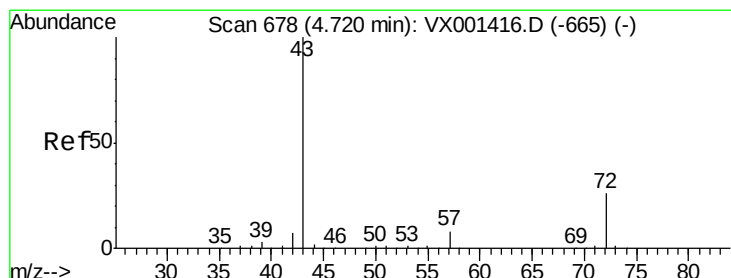
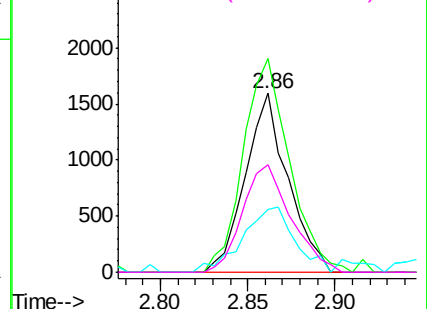
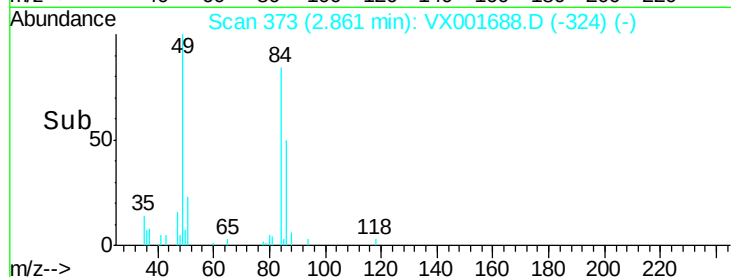


Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



#25

2-Butanone

Concen: 0.78 ug/l

RT: 4.71 min Scan# 677

Delta R.T. -0.01 min

Lab File: VX001688.D

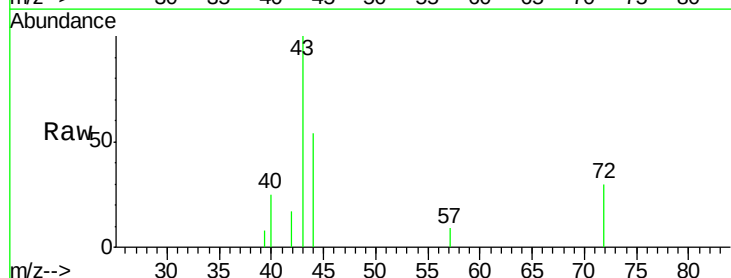
Acq: 13 May 2018 01:08

Tgt Ion: 43 Resp: 2017

Ion Ratio Lower Upper

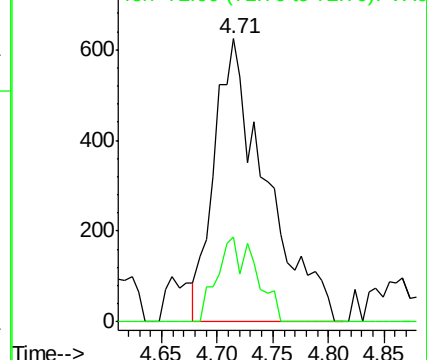
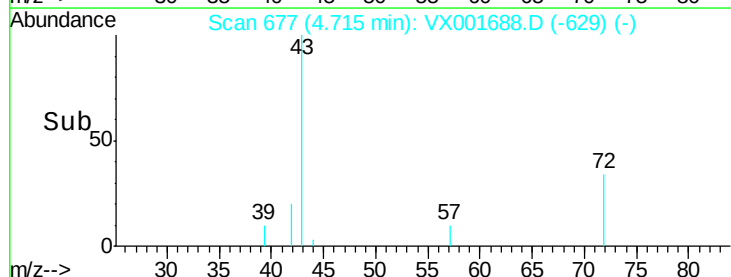
43 100

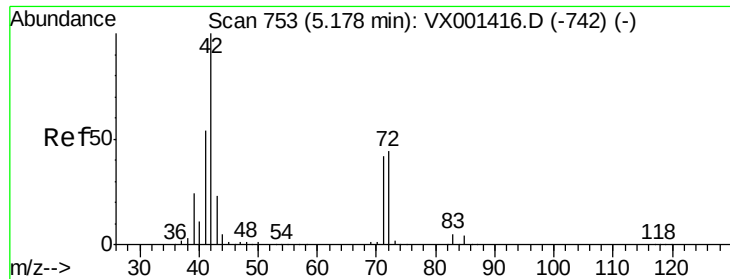
72 29.8 20.7 31.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0





#29

Tetrahydrofuran

Concen: 0.25 ug/l

RT: 5.18 min Scan# 753

Delta R.T. 0.00 min

Lab File: VX001688.D

Acq: 13 May 2018 01:08

Instrument :

MSVOA_X

ClientSampleId :

PB109200ZHE#04

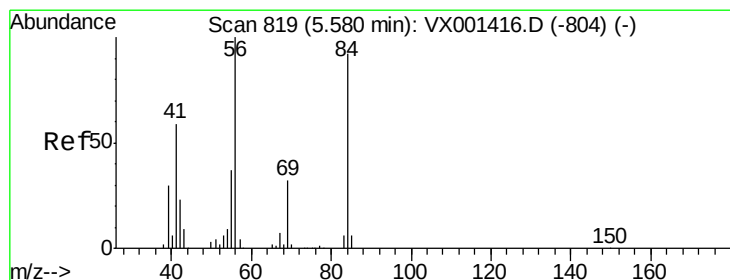
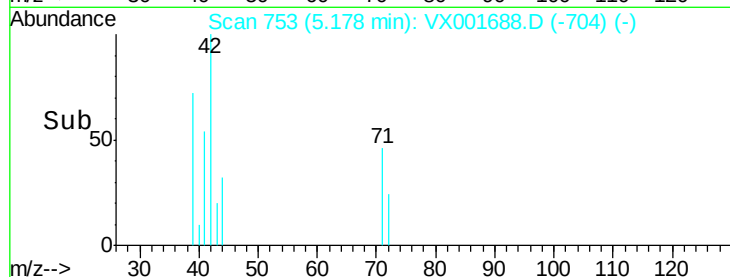
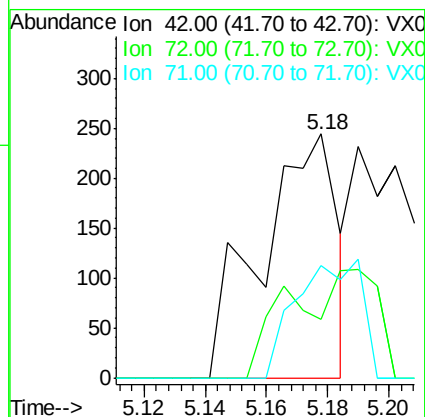
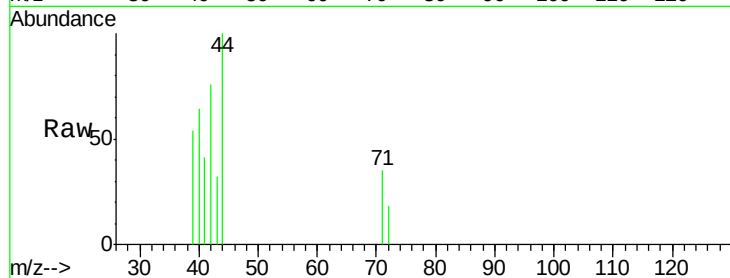
Tgt Ion: 42 Resp: 421

Ion Ratio Lower Upper

42 100

72 24.2 35.4 53.2#

71 0.0 33.0 49.4#



#31

Cyclohexane

Concen: 0.90 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.09 min

Lab File: VX001688.D

Acq: 13 May 2018 01:08

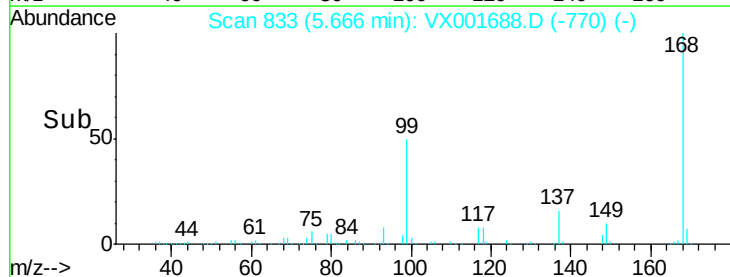
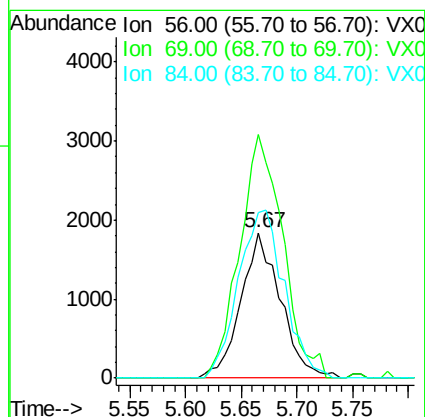
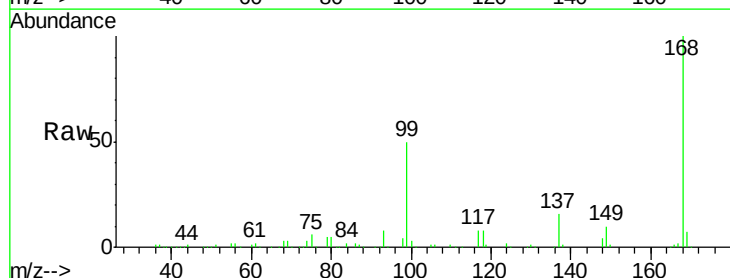
Tgt Ion: 56 Resp: 4556

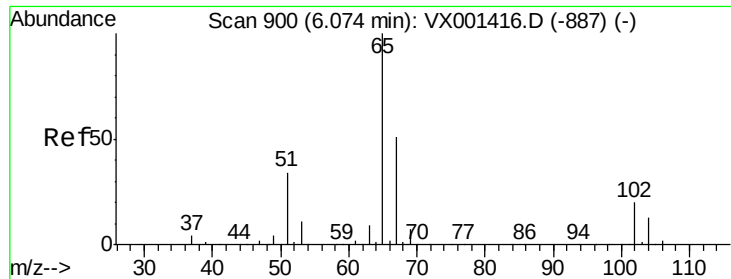
Ion Ratio Lower Upper

56 100

69 167.4 25.4 38.0#

84 114.1 73.8 110.8#

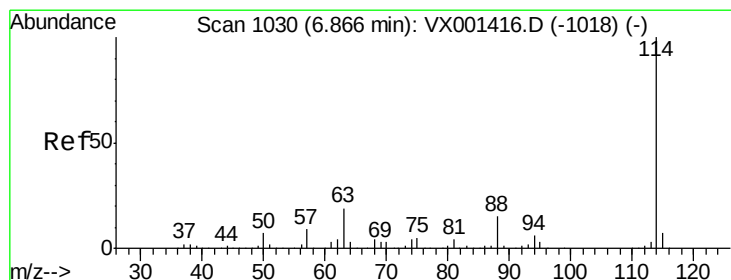
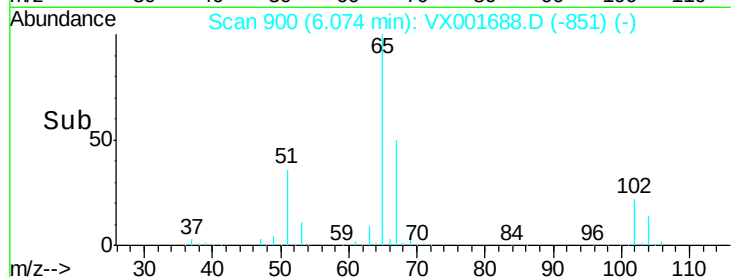
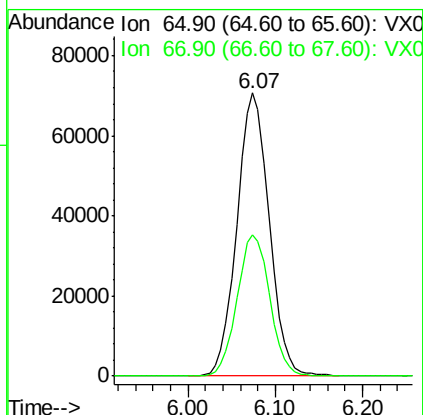
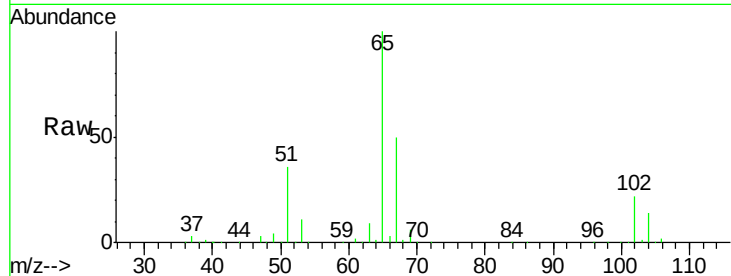




#33
 1,2-Dichloroethane-d4
 Concen: 46.08 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX001688.D
 Acq: 13 May 2018 01:08

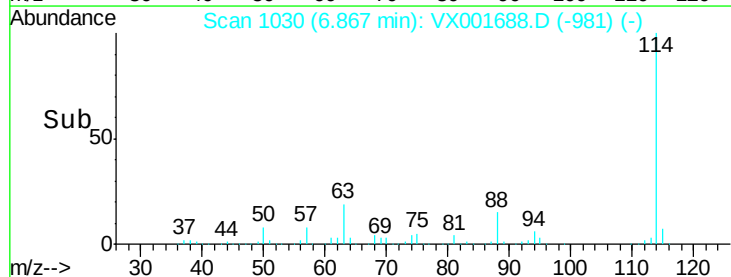
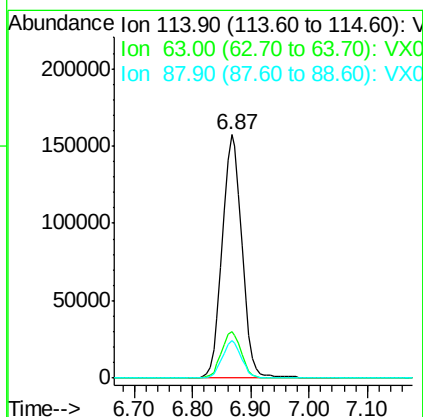
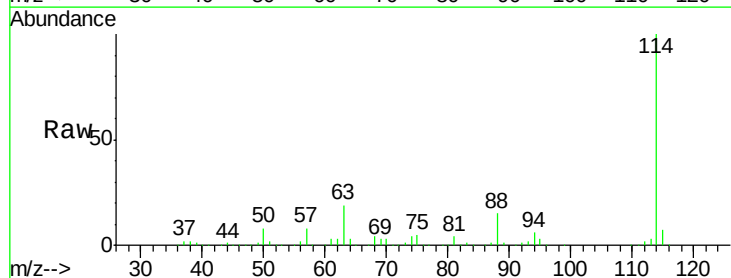
Instrument :
 MSVOA_X
 ClientSampleId :
 PB109200ZHE#04

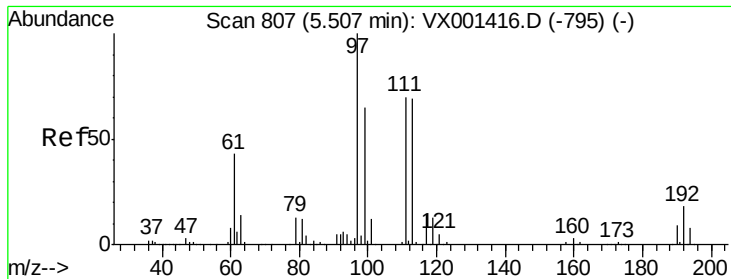
Tgt Ion: 65 Resp: 181491
 Ion Ratio Lower Upper
 65 100
 67 50.7 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX001688.D
 Acq: 13 May 2018 01:08

Tgt Ion: 114 Resp: 372498
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 38.6
 88 15.3 0.0 30.8





#35

Dibromofluoromethane

Concen: 43.68 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.00 min

Lab File: VX001688.D

Acq: 13 May 2018 01:08

Instrument :

MSVOA_X

ClientSampleId :

PB109200ZHE#04

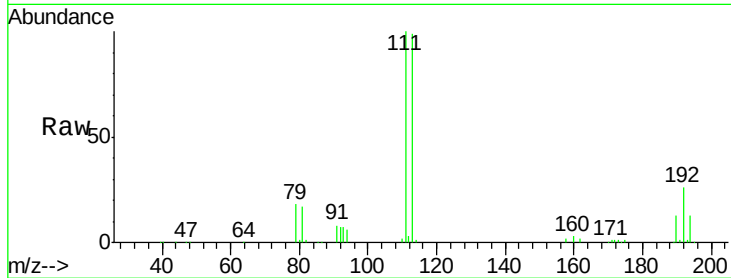
Tgt Ion:113 Resp: 144710

Ion Ratio Lower Upper

113 100

111 103.0 82.2 123.2

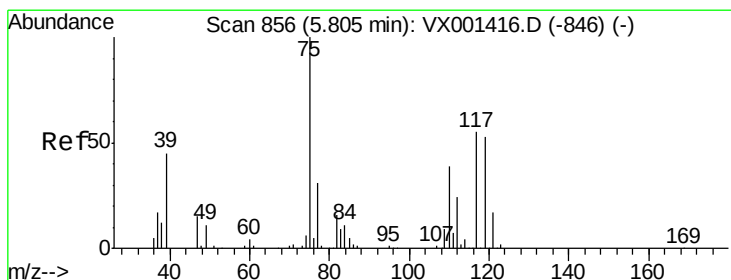
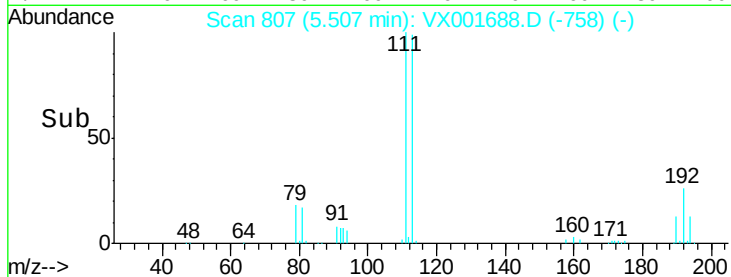
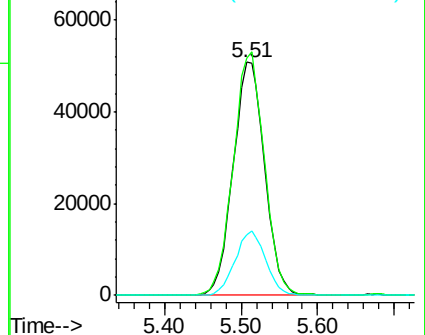
192 26.9 21.4 32.0



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: 3.56 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.13 min

Lab File: VX001688.D

Acq: 13 May 2018 01:08

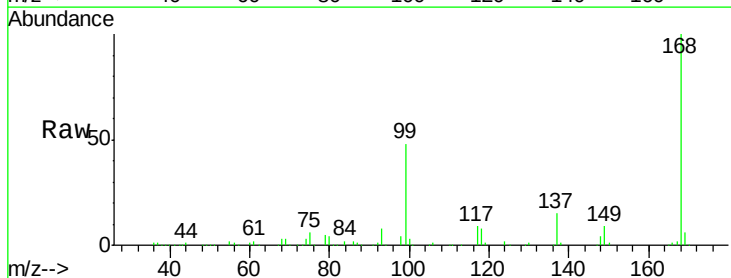
Tgt Ion: 75 Resp: 16882

Ion Ratio Lower Upper

75 100

110 9.9 18.9 56.7#

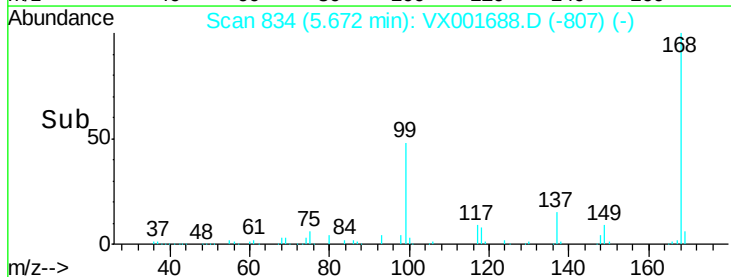
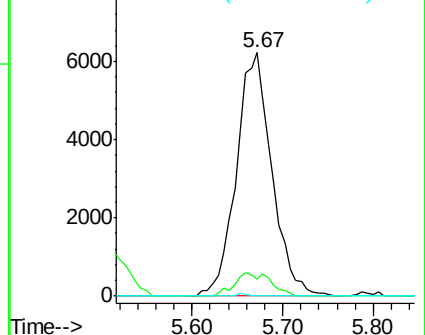
77 0.3 24.9 37.3#

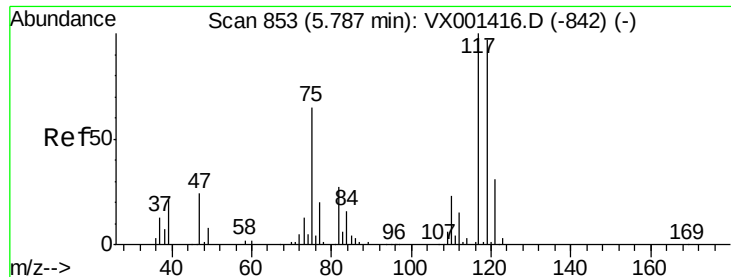


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 4.59 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX001688.D

Acq: 13 May 2018 01:08

Instrument :

MSVOA_X

ClientSampleId :

PB109200ZHE#04

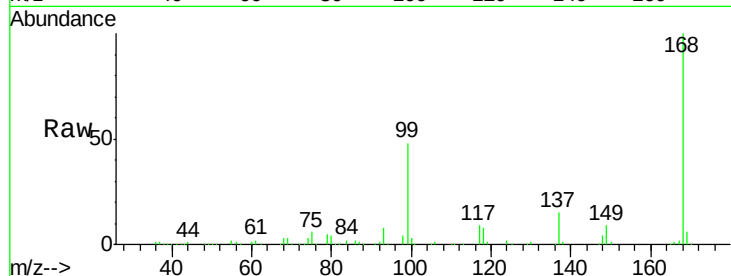
Tgt Ion: 117 Resp: 23215

Ion Ratio Lower Upper

117 100

119 5.9 77.0 115.6#

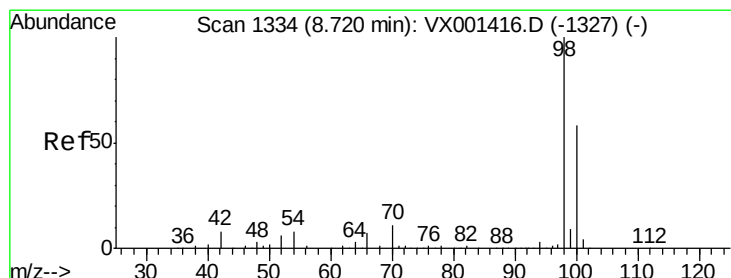
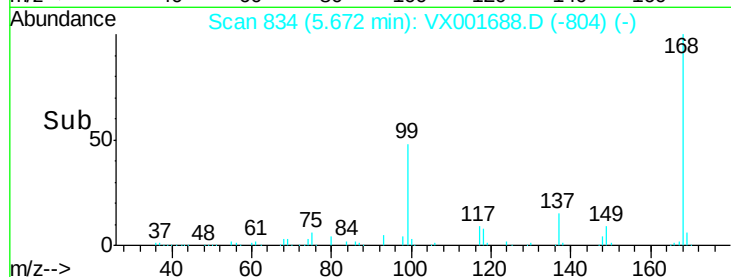
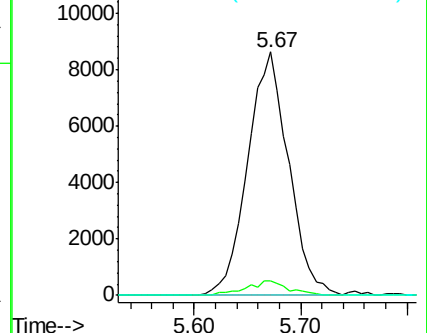
121 0.0 25.1 37.7#



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



#50

Toluene-d8

Concen: 42.83 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX001688.D

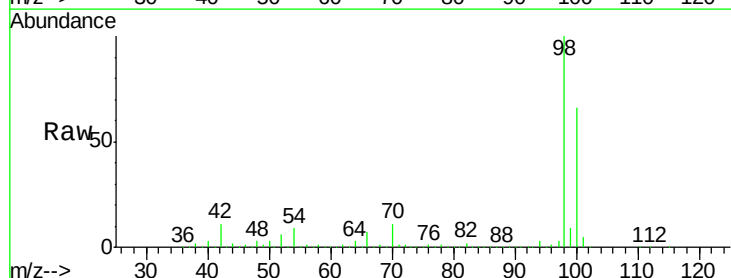
Acq: 13 May 2018 01:08

Tgt Ion: 98 Resp: 517967

Ion Ratio Lower Upper

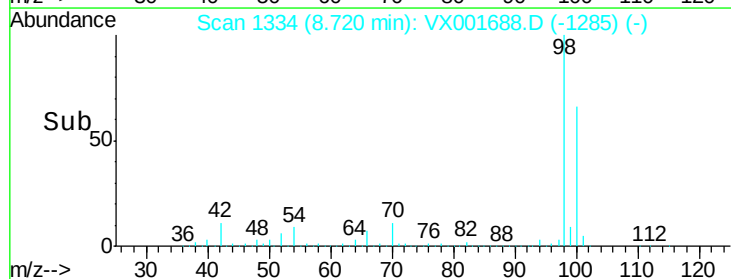
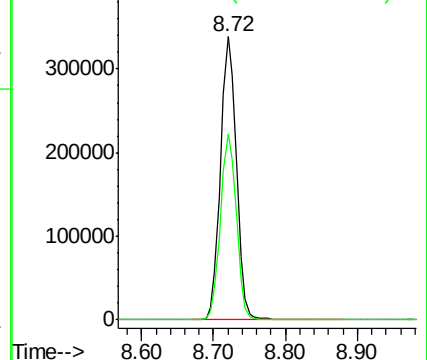
98 100

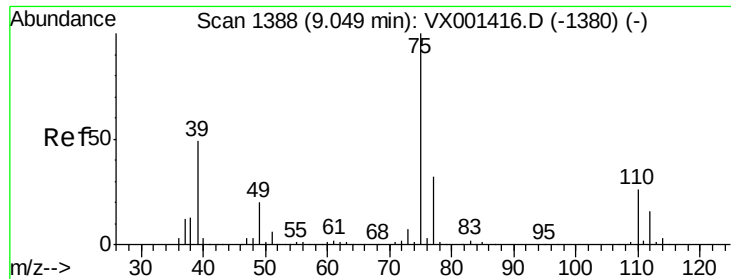
100 65.7 54.0 81.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



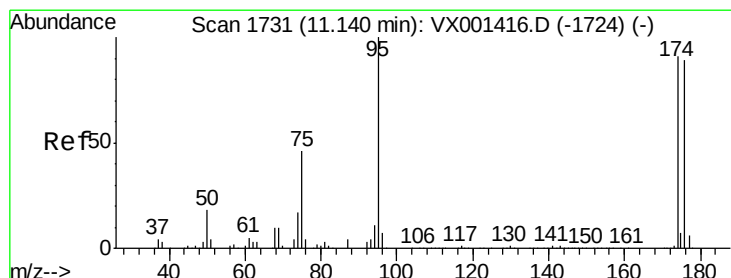
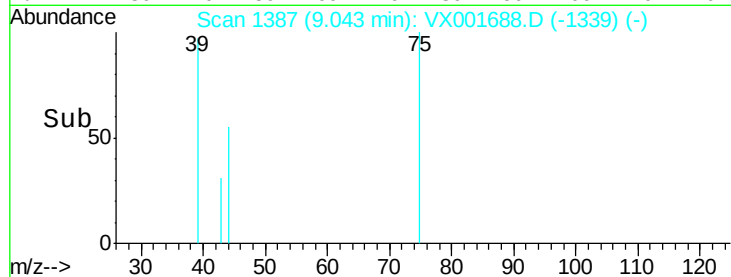
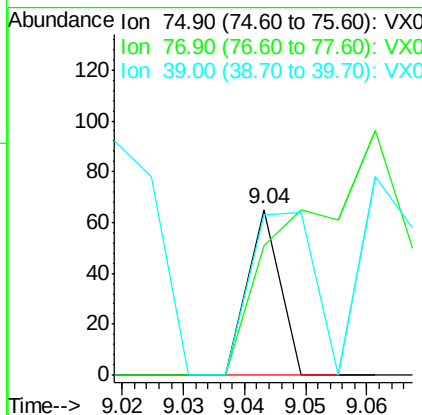
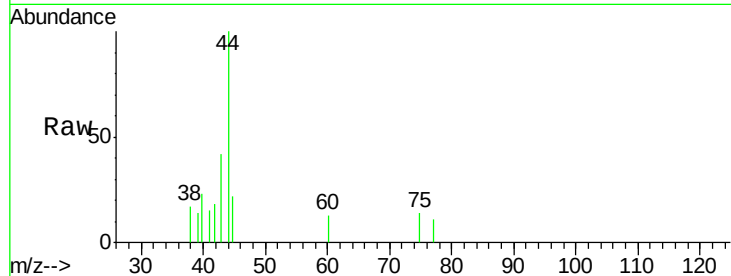


#54

cis-1,3-Dichloropropene
Concen: 2.27 ug/l
RT: 9.04 min Scan# 1387
Delta R.T. -0.00 min
Lab File: VX001688.D
Acq: 13 May 2018 01:08

Instrument :
MSVOA_X
ClientSampleId :
PB109200ZHE#04

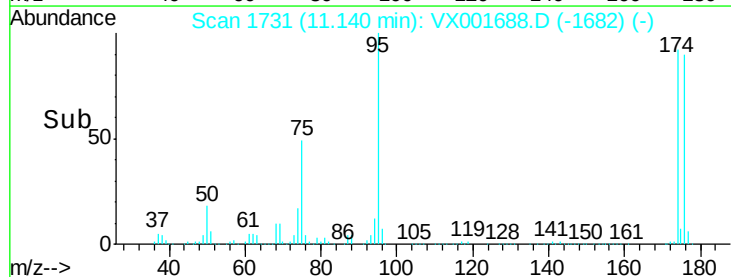
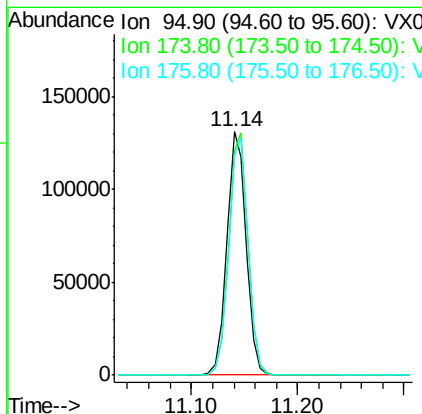
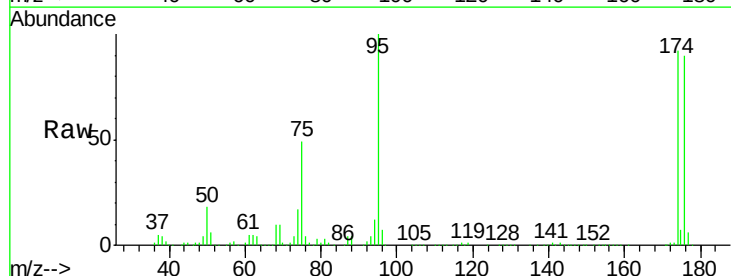
Tgt Ion: 75 Resp: 24
Ion Ratio Lower Upper
75 100
77 78.5 25.5 38.3#
39 96.9 38.9 58.3#

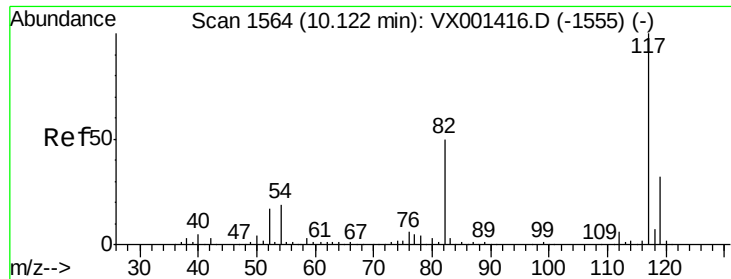


#62

4-Bromofluorobenzene
Concen: 35.64 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX001688.D
Acq: 13 May 2018 01:08

Tgt Ion: 95 Resp: 165450
Ion Ratio Lower Upper
95 100
174 100.5 0.0 202.0
176 97.5 0.0 197.4

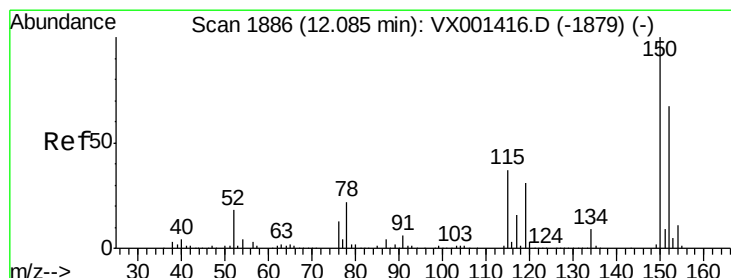
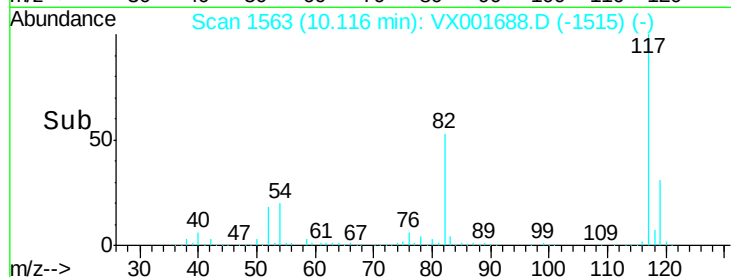
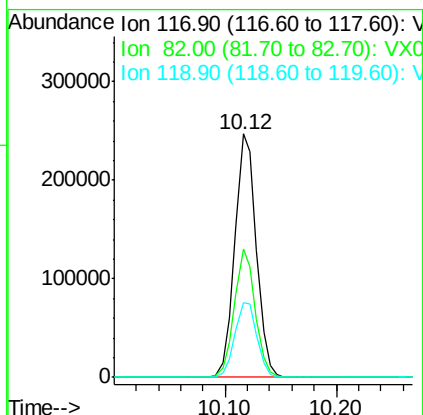
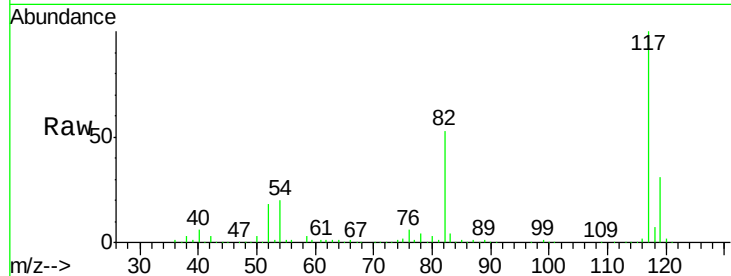




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.01 min
Lab File: VX001688.D
Acq: 13 May 2018 01:08

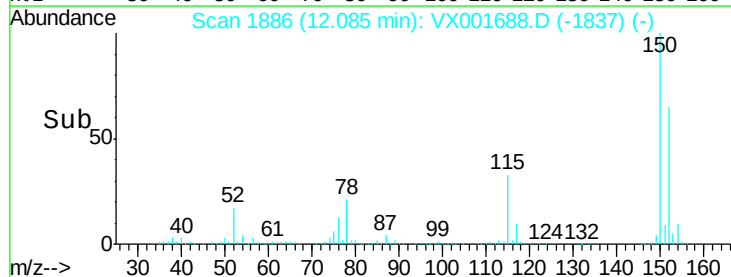
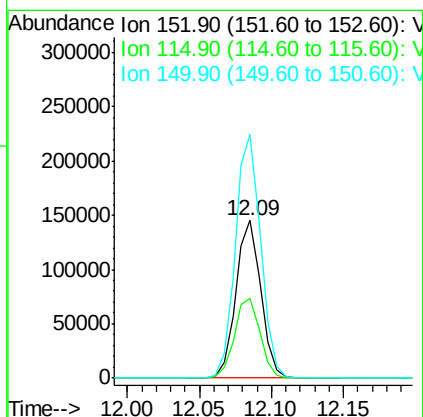
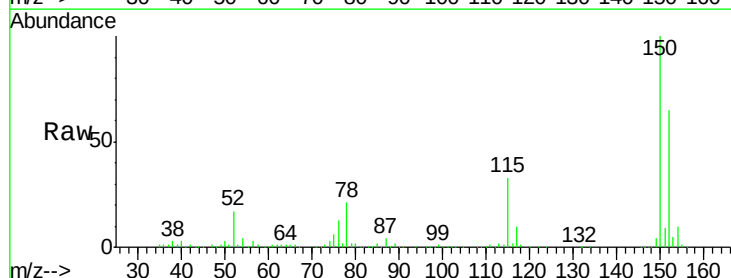
Instrument :
MSVOA_X
ClientSampleId :
PB109200ZHE#04

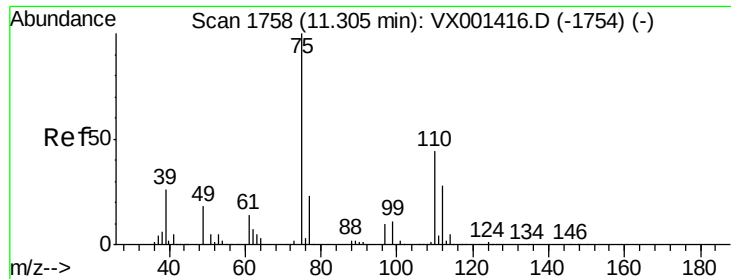
Tgt Ion:117 Resp: 329314
Ion Ratio Lower Upper
117 100
82 52.9 40.0 60.0
119 30.9 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX001688.D
Acq: 13 May 2018 01:08

Tgt Ion:152 Resp: 175320
Ion Ratio Lower Upper
152 100
115 52.4 37.7 113.1
150 157.2 0.0 349.4

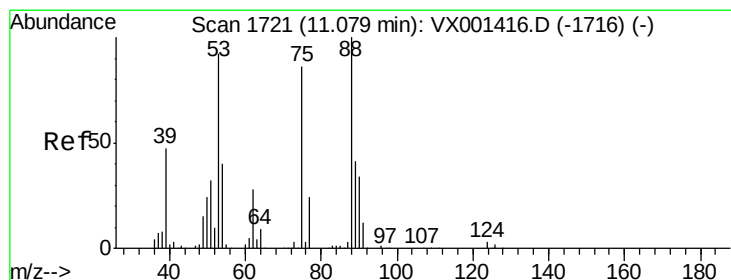
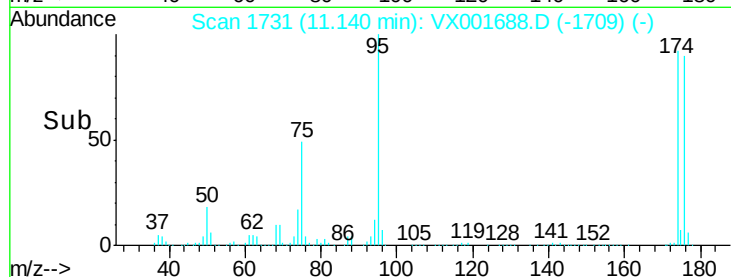
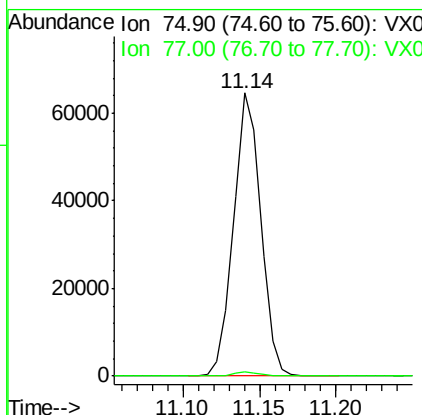
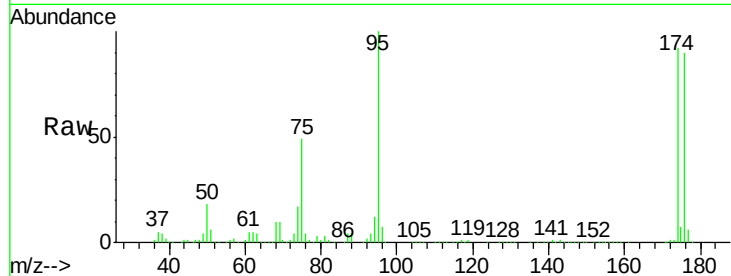




#76
 1,2,3-Trichloropropane
 Concen: 22.47 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX001688.D
 Acq: 13 May 2018 01:08

Instrument :
 MSVOA_X
 ClientSampleId :
 PB109200ZHE#04

Tgt Ion: 75 Resp: 79884
 Ion Ratio Lower Upper
 75 100
 77 1.4 19.6 58.7#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 69.78 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX001688.D
 Acq: 13 May 2018 01:08

Tgt Ion: 75 Resp: 79884
 Ion Ratio Lower Upper
 75 100
 53 0.2 84.5 126.7#
 89 0.0 39.5 59.3#

