

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX031318\
 Data File : VX000308.D
 Acq On : 13 Mar 2018 18:46
 Operator : JC/MD
 Sample : J1885-02 5X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RT-3867

Quant Time: Mar 14 00:59:28 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X030718W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 08 02:15:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.68	168	110999	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	190062	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	182278	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	95393	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.08	65	77889	50.62	ug/l	0.00
Spiked Amount			Recovery	=	101.24%	
35) Dibromofluoromethane	5.51	113	58707	49.17	ug/l	0.00
Spiked Amount			Recovery	=	98.34%	
50) Toluene-d8	8.73	98	230250	46.56	ug/l	0.00
Spiked Amount			Recovery	=	93.12%	
62) 4-Bromofluorobenzene	11.15	95	82731	42.87	ug/l	0.00
Spiked Amount			Recovery	=	85.74%	

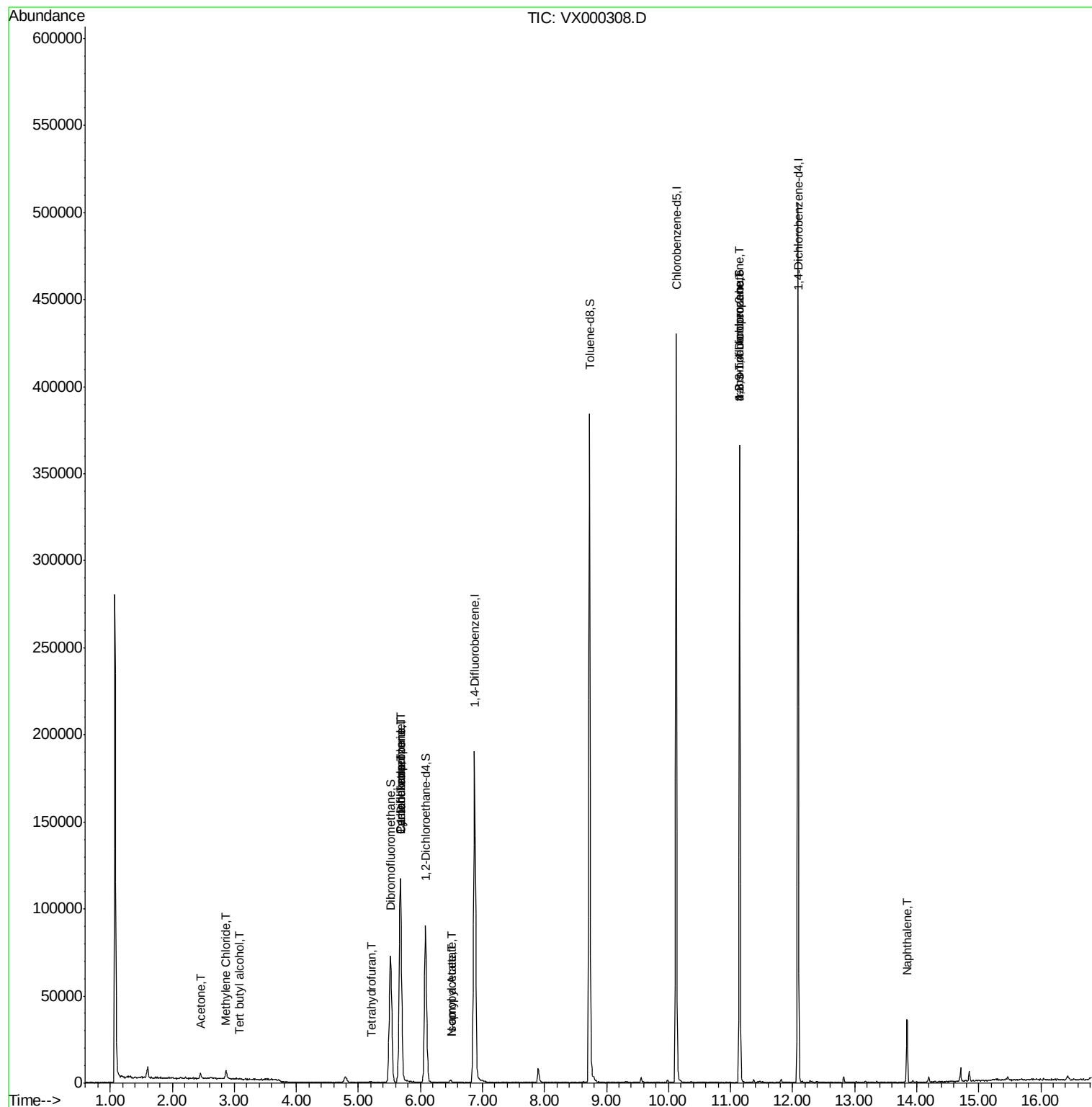
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	99	Below Cal	#	3
6) Chloroethane	1.71	64	182	Below Cal	#	42
11) Tert butyl alcohol	3.09	59	298	0.53	ug/l #	72
16) Acetone	2.45	43	3410	3.09	ug/l	99
20) Methylene Chloride	2.87	84	1908	1.45	ug/l #	89
29) Tetrahydrofuran	5.20	42	386	0.45	ug/l #	83
31) Cyclohexane	5.67	56	2828	1.68	ug/l #	40
36) 1,1-Dichloropropene	5.67	75	9004	5.32	ug/l #	51
38) Carbon Tetrachloride	5.67	117	11809	6.90	ug/l #	15
43) Isopropyl Acetate	6.49	43	1479	0.42	ug/l #	86
74) N-amyl acetate	6.49	43	1479	0.48	ug/l #	87
76) 1,2,3-Trichloropropane	11.15	75	48700	25.47	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.15	75	48700	77.99	ug/l #	10
95) Naphthalene	13.85	128	21643	2.93	ug/l	97

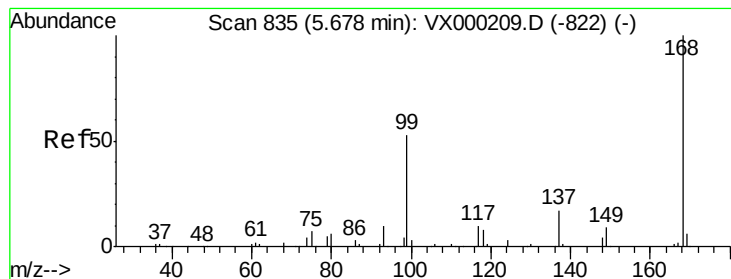
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X030718W.M
Quant Title : SW846 8260
QLast Update : Thu Mar 08 02:15:47 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.68 min Scan# 835

Delta R.T. 0.00 min

Lab File: VX000308.D

Acq: 13 Mar 2018 18:46

Instrument :

MSVOA_X

ClientSampled :

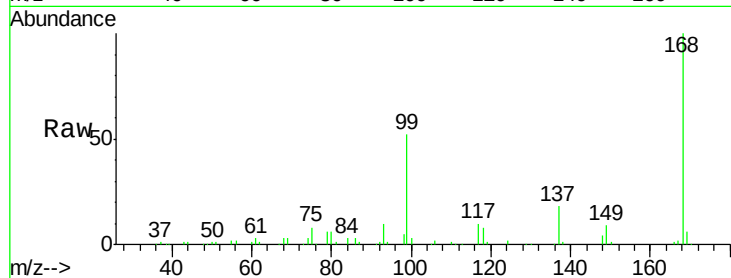
RT-3867

Tot Ion:168 Resp: 110999

Ion Ratio Lower Upper

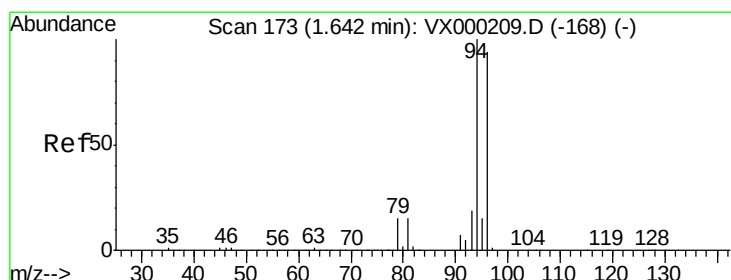
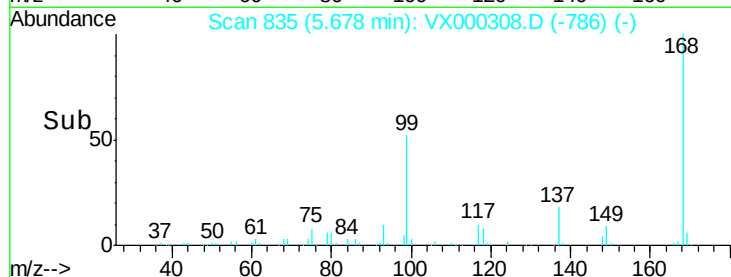
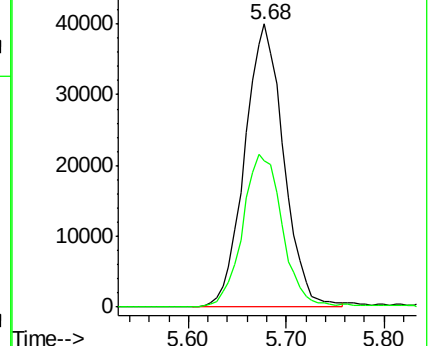
168 100

99 51.9 42.8 64.2



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. 0.01 min

Lab File: VX000308.D

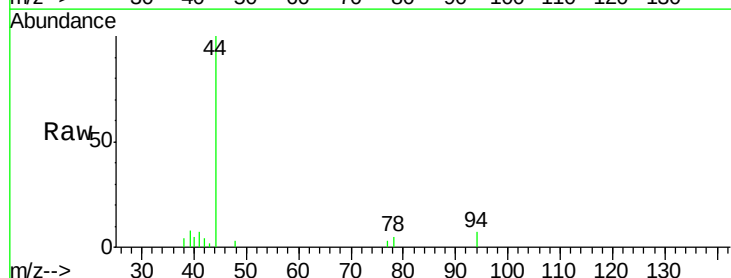
Acq: 13 Mar 2018 18:46

Tgt Ion: 94 Resp: 99

Ion Ratio Lower Upper

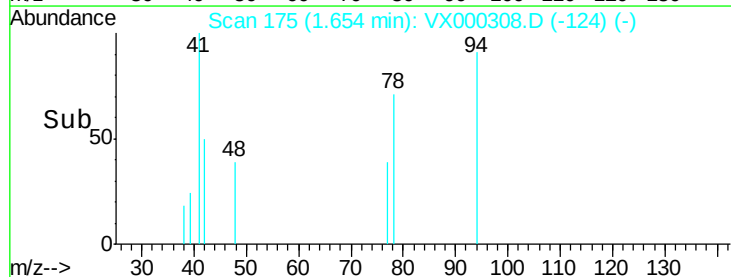
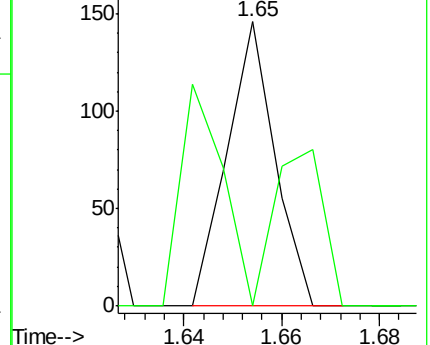
94 100

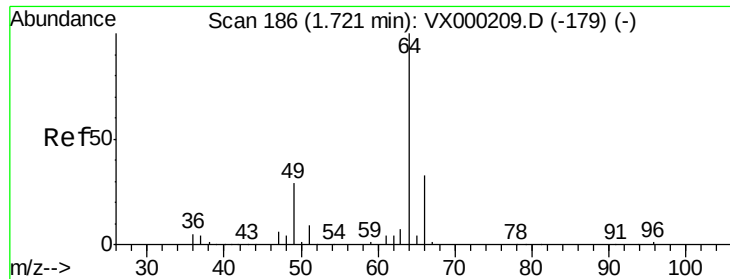
96 0.0 75.3 112.9#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: Below Cal

RT: 1.71 min Scan# 184

Delta R.T. -0.01 min

Lab File: VX000308.D

Acq: 13 Mar 2018 18:46

Instrument :

MSVOA_X

ClientSampled :

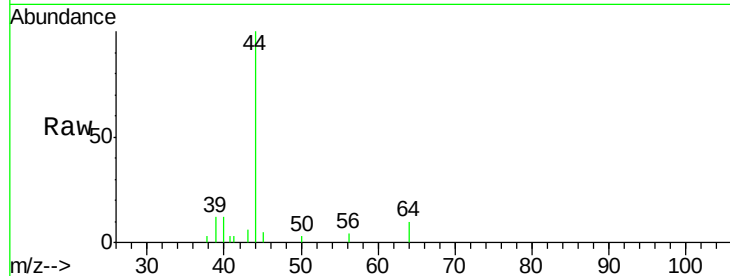
RT-3867

Tot Ion: 64 Resp: 182

Ion Ratio Lower Upper

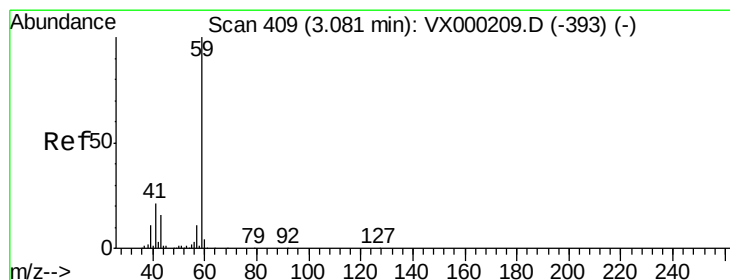
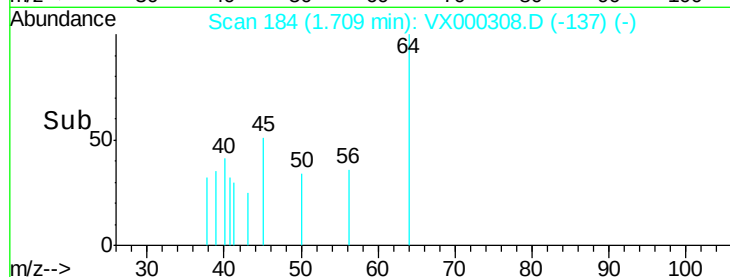
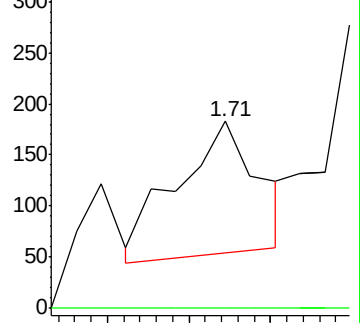
64 100

66 0.0 26.2 39.4#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#11

Tert butyl alcohol

Concen: 0.53 ug/l

RT: 3.09 min Scan# 410

Delta R.T. 0.01 min

Lab File: VX000308.D

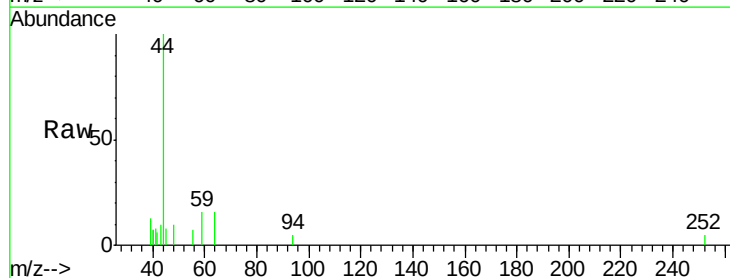
Acq: 13 Mar 2018 18:46

Tgt Ion: 59 Resp: 298

Ion Ratio Lower Upper

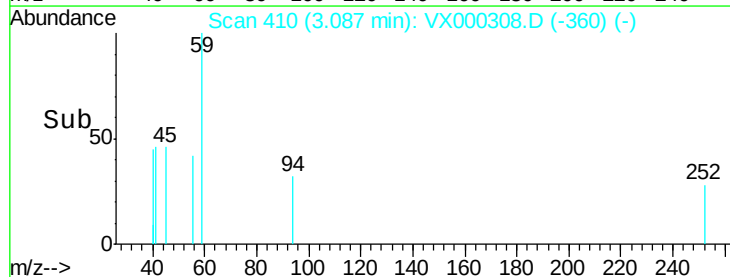
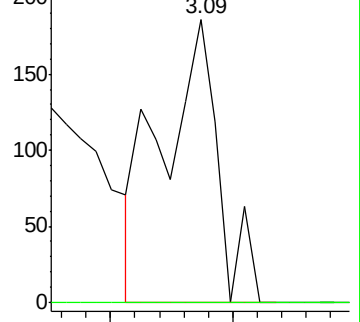
59 100

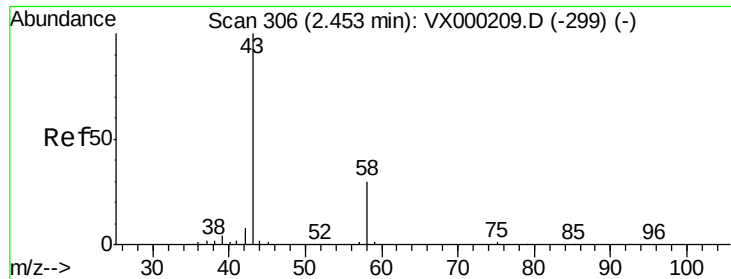
57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#16

Acetone

Concen: 3.09 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX000308.D

Acq: 13 Mar 2018 18:46

Instrument :

MSVOA_X

ClientSampleId :

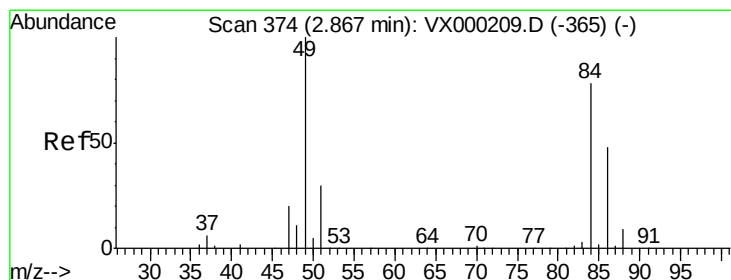
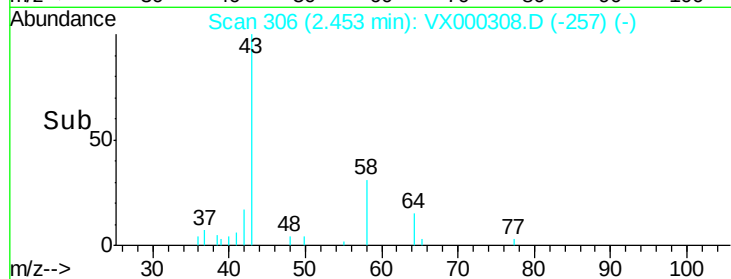
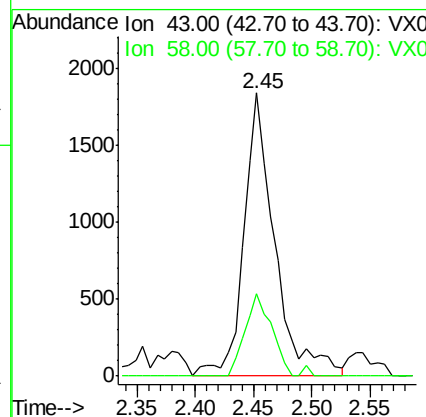
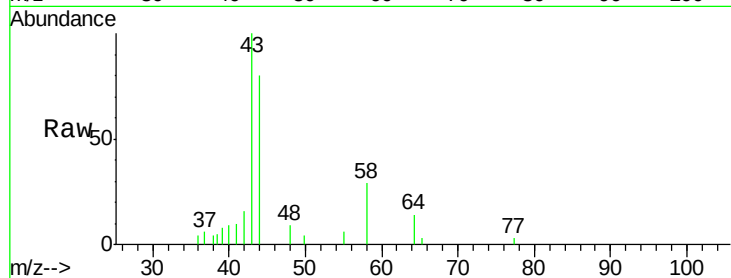
RT-3867

Tot Ion: 43 Resp: 3410

Ion Ratio Lower Upper

43 100

58 29.3 23.8 35.6



#20

Methylene Chloride

Concen: 1.45 ug/l

RT: 2.87 min Scan# 374

Delta R.T. 0.00 min

Lab File: VX000308.D

Acq: 13 Mar 2018 18:46

Tgt Ion: 84 Resp: 1908

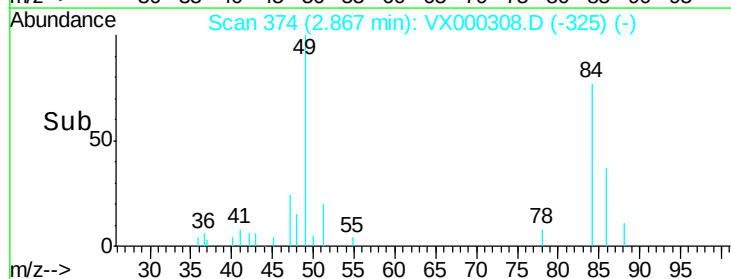
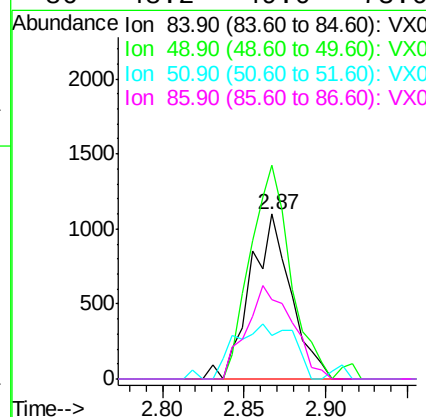
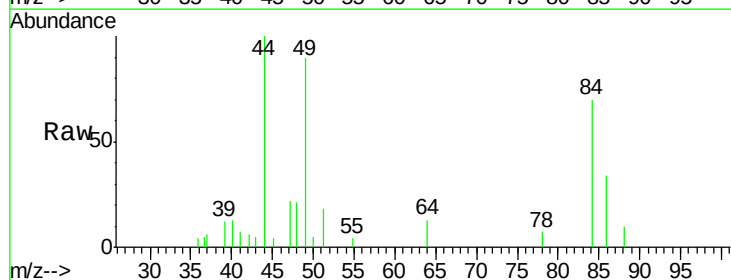
Ion Ratio Lower Upper

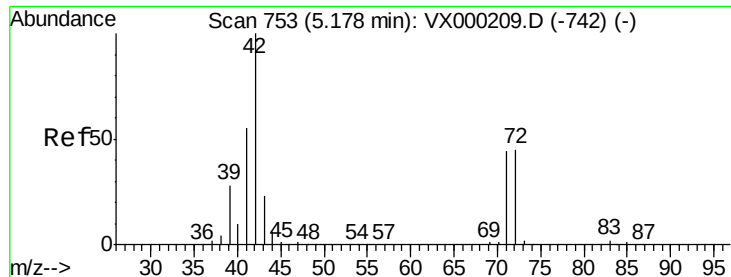
84 100

49 129.8 102.1 153.1

51 20.8 30.6 45.8#

86 48.2 49.0 73.6#





#29

Tetrahydrofuran

Concen: 0.45 ug/l

RT: 5.20 min Scan# 757

Delta R.T. 0.02 min

Lab File: VX000308.D

Acq: 13 Mar 2018 18:46

Instrument :

MSVOA_X

ClientSampleId :

RT-3867

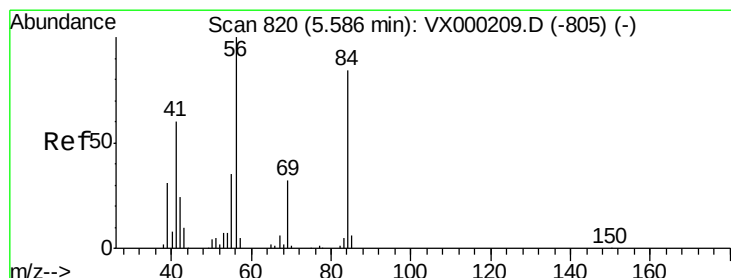
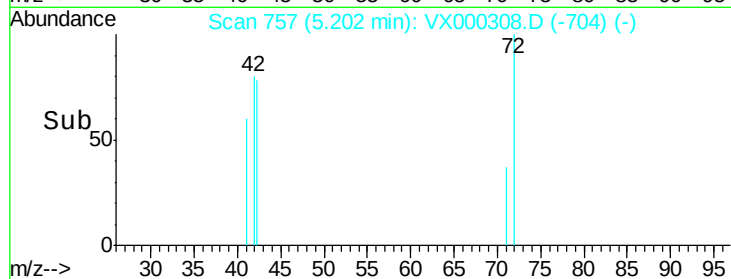
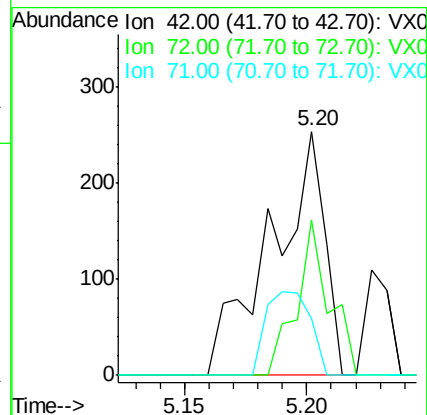
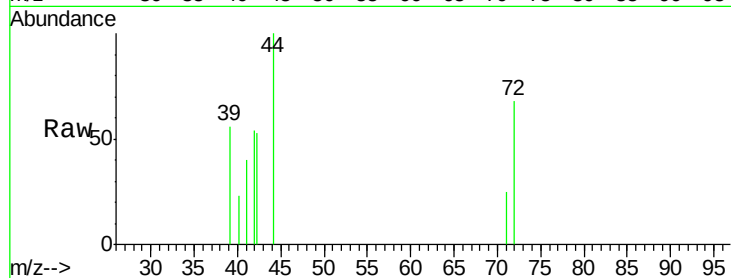
Tot Ion: 42 Resp: 386

Ion Ratio Lower Upper

42 100

72 38.6 37.3 55.9

71 28.8 35.0 52.4#



#31

Cyclohexane

Concen: 1.68 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.09 min

Lab File: VX000308.D

Acq: 13 Mar 2018 18:46

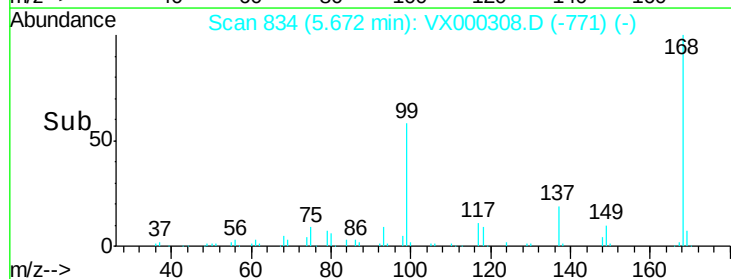
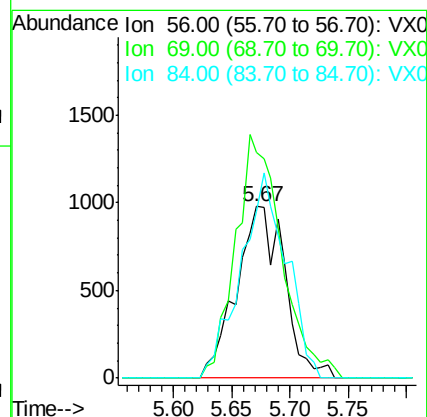
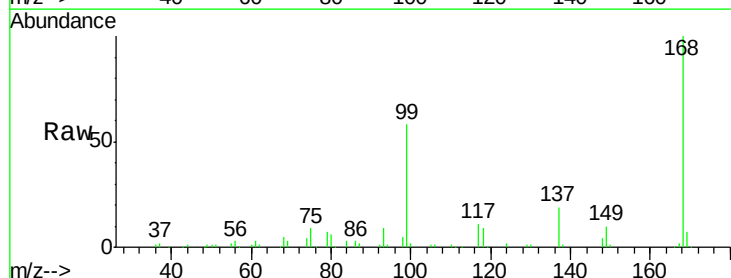
Tgt Ion: 56 Resp: 2828

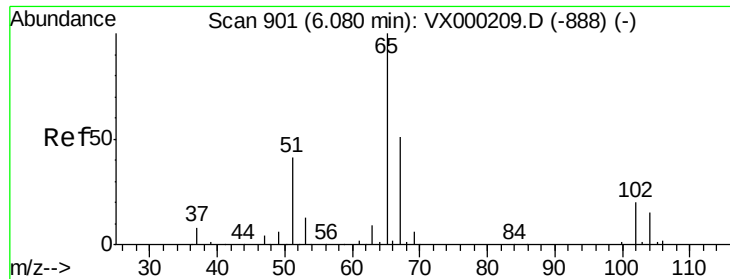
Ion Ratio Lower Upper

56 100

69 132.0 25.3 37.9#

84 97.3 67.2 100.8

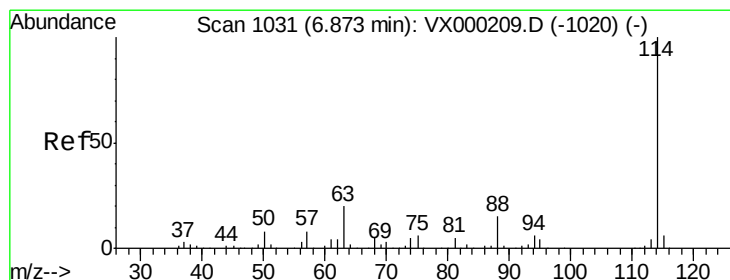
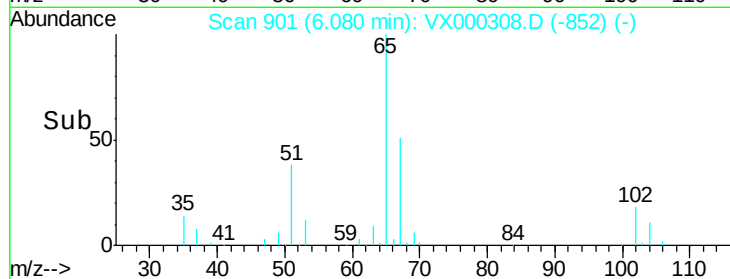
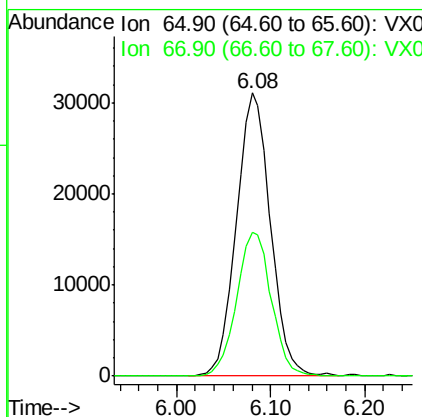
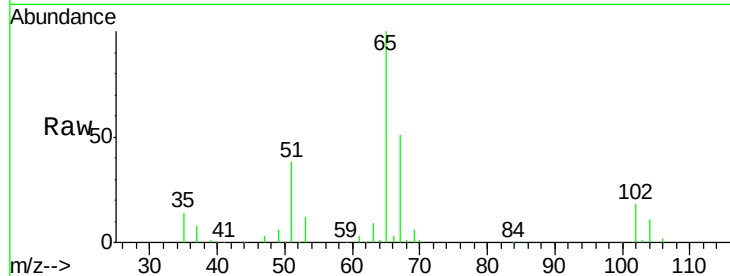




#33
 1,2-Dichloroethane-d4
 Concen: 50.62 ug/l
 RT: 6.08 min Scan# 901
 Delta R.T. 0.00 min
 Lab File: VX000308.D
 Acq: 13 Mar 2018 18:46

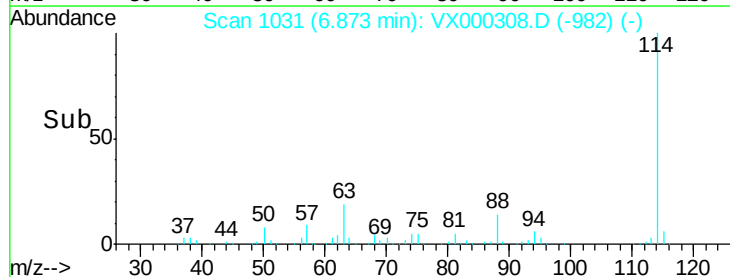
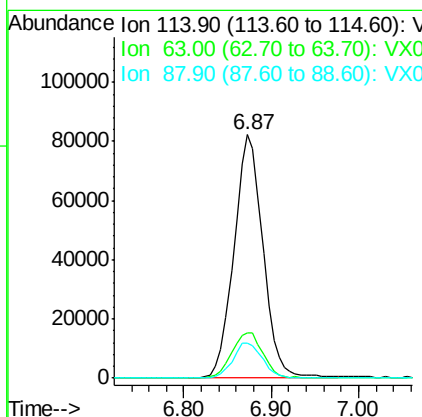
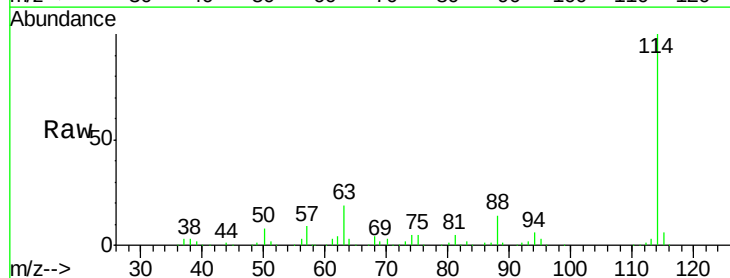
Instrument :
 MSVOA_X
 ClientSampleId :
 RT-3867

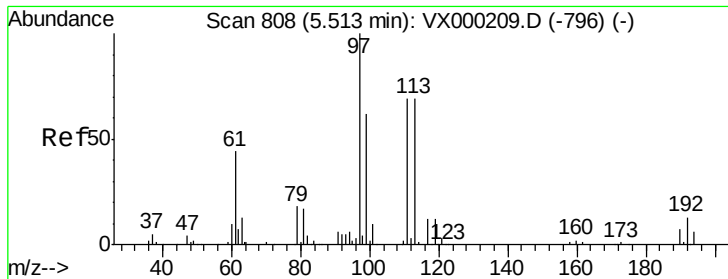
Tot Ion: 65 Resp: 77889
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 103.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. 0.00 min
 Lab File: VX000308.D
 Acq: 13 Mar 2018 18:46

Tgt Ion:114 Resp: 190062
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 39.2
 88 14.1 0.0 29.8





#35

Dibromofluoromethane

Concen: 49.17 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.00 min

Lab File: VX000308.D

Acq: 13 Mar 2018 18:46

Instrument :

MSVOA_X

ClientSampleId :

RT-3867

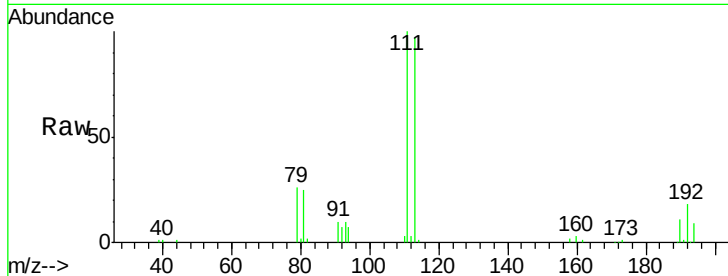
Tot Ion:113 Resp: 58707

Ion Ratio Lower Upper

113 100

111 101.2 83.0 124.6

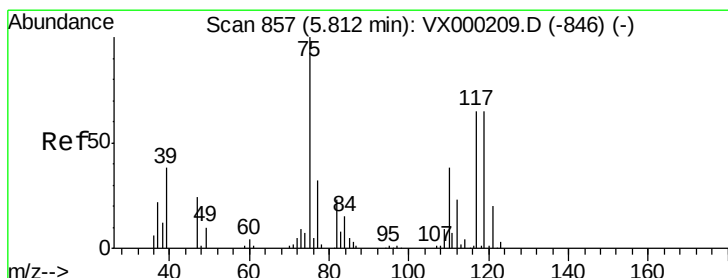
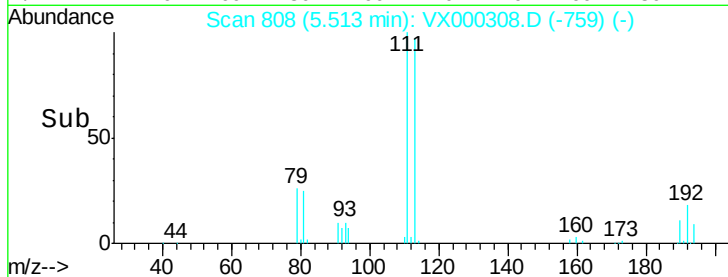
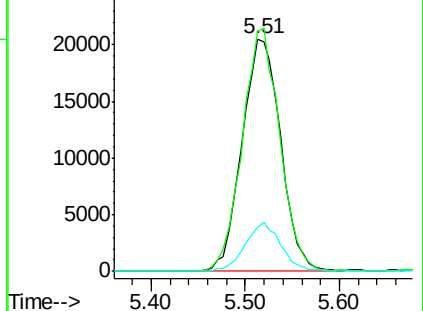
192 19.2 15.5 23.3



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: 5.32 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.14 min

Lab File: VX000308.D

Acq: 13 Mar 2018 18:46

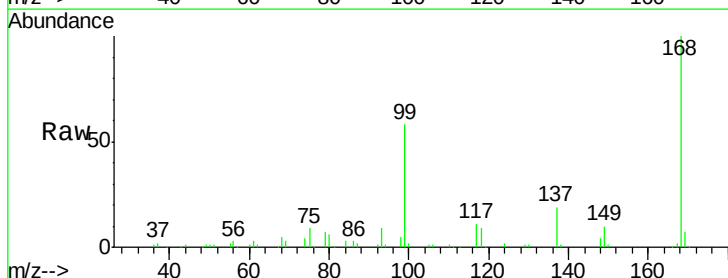
Tgt Ion: 75 Resp: 9004

Ion Ratio Lower Upper

75 100

110 10.6 17.8 53.5#

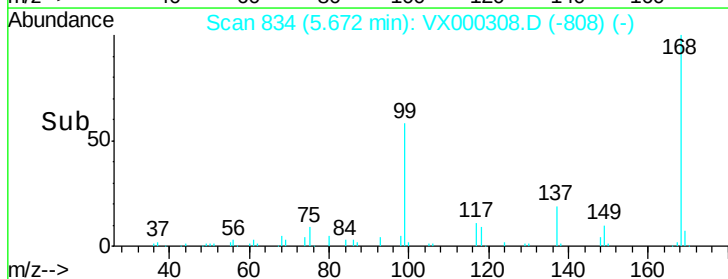
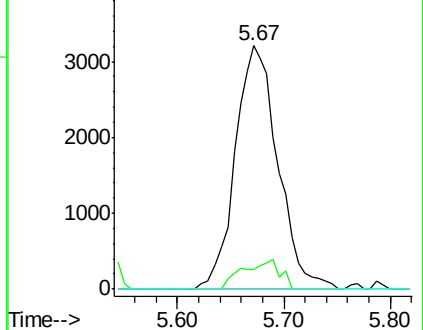
77 0.0 24.9 37.3#

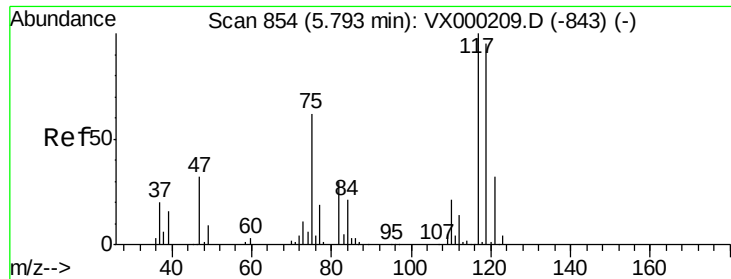


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.90 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX000308.D

Acq: 13 Mar 2018 18:46

Instrument :

MSVOA_X

ClientSampled :

RT-3867

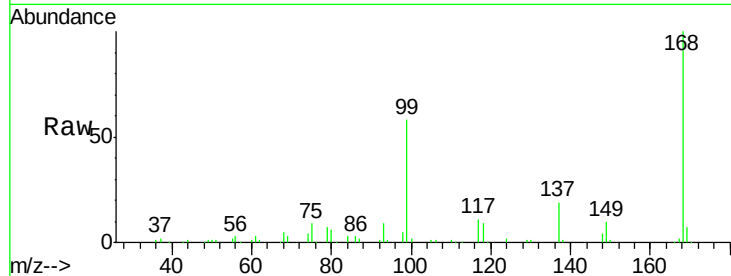
Tot Ion:117 Resp: 11809

Ion Ratio Lower Upper

117 100

119 3.0 75.9 113.9#

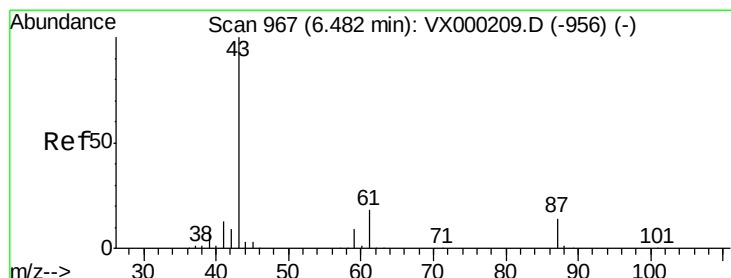
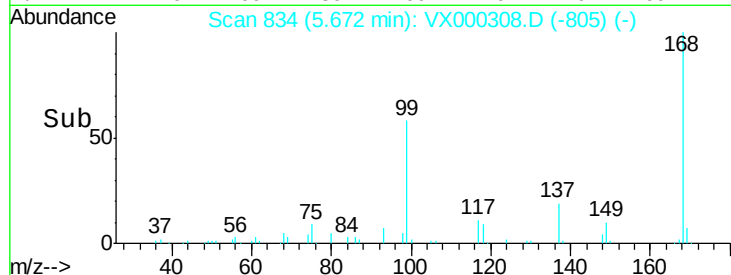
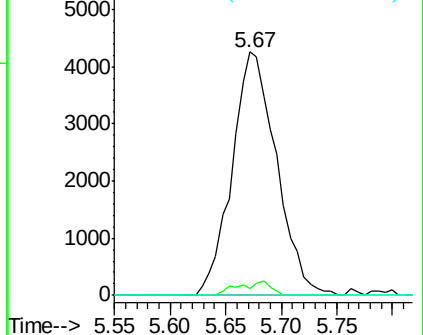
121 0.0 25.8 38.6#



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



#43

Isopropyl Acetate

Concen: 0.42 ug/l

RT: 6.49 min Scan# 968

Delta R.T. 0.01 min

Lab File: VX000308.D

Acq: 13 Mar 2018 18:46

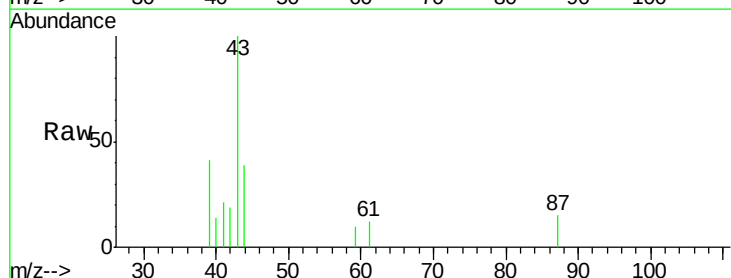
Tgt Ion: 43 Resp: 1479

Ion Ratio Lower Upper

43 100

61 12.8 14.8 22.2#

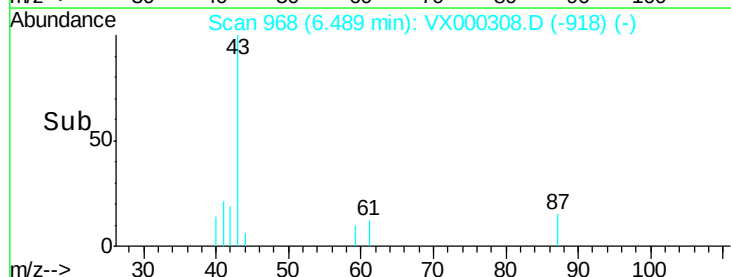
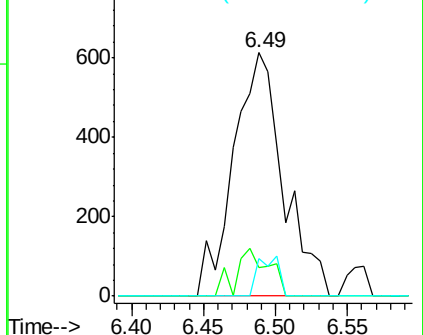
87 6.8 10.6 16.0#

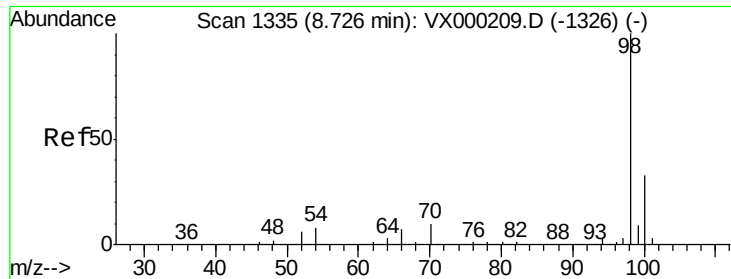


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

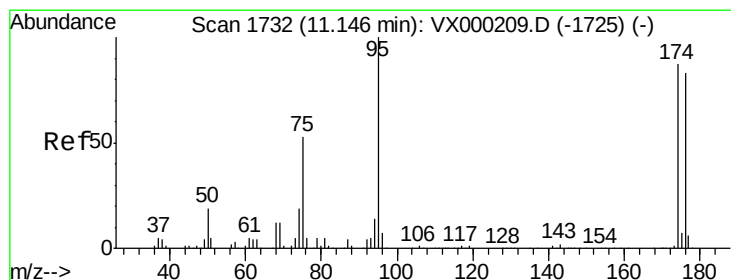
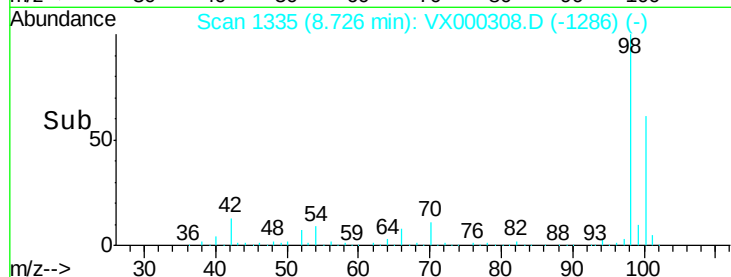
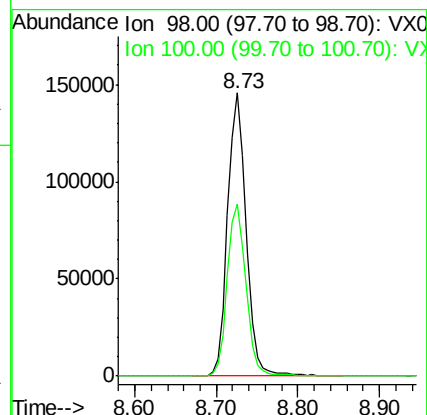
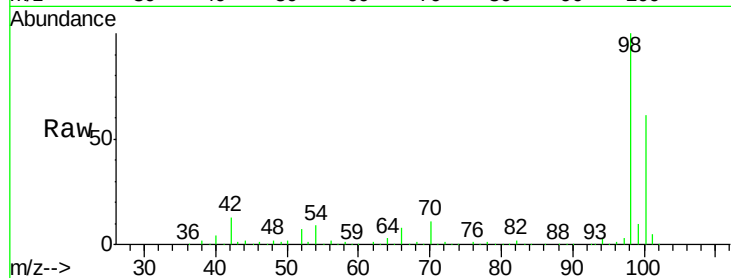




#50
Toluene-d8
Concen: 46.56 ug/l
RT: 8.73 min Scan# 1335
Delta R.T. 0.00 min
Lab File: VX000308.D
Acq: 13 Mar 2018 18:46

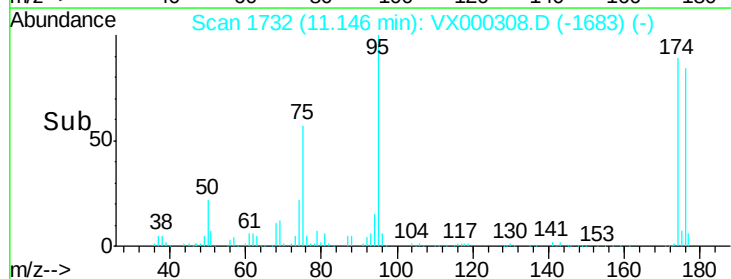
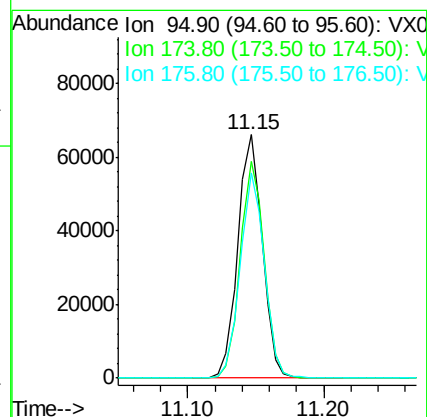
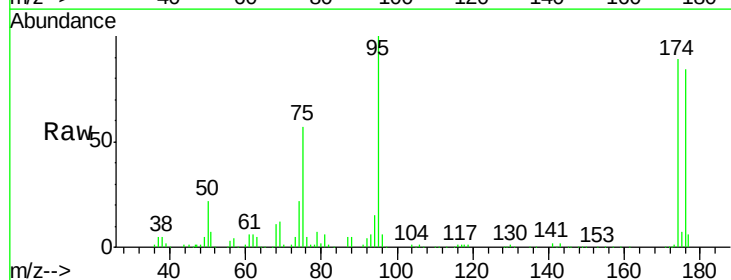
Instrument :
MSVOA_X
ClientSampleId :
RT-3867

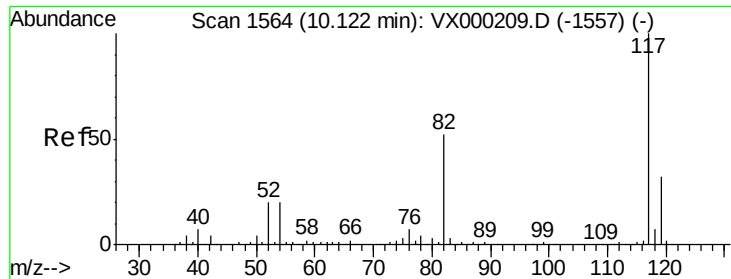
Tot Ion: 98 Resp: 230250
Ion Ratio Lower Upper
98 100
100 61.4 51.2 76.8



#62
4-Bromofluorobenzene
Concen: 42.87 ug/l
RT: 11.15 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VX000308.D
Acq: 13 Mar 2018 18:46

Tgt Ion: 95 Resp: 82731
Ion Ratio Lower Upper
95 100
174 87.8 0.0 175.6
176 83.4 0.0 171.0

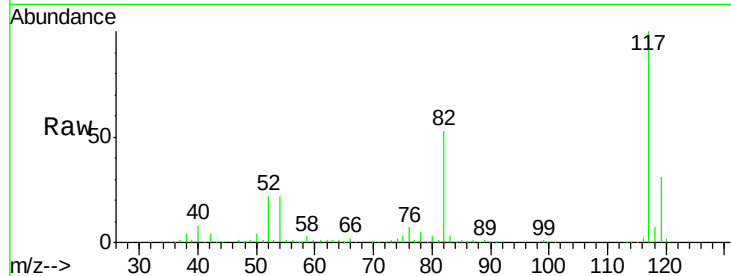




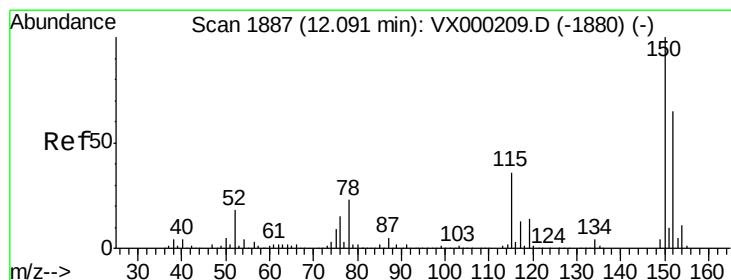
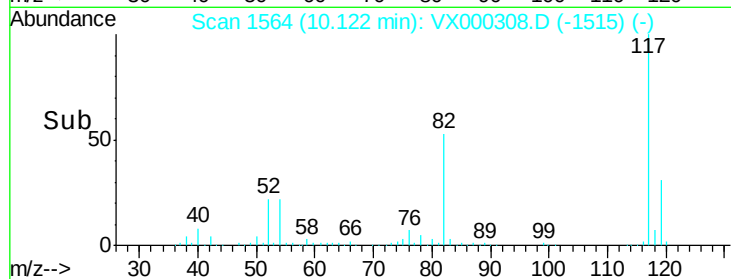
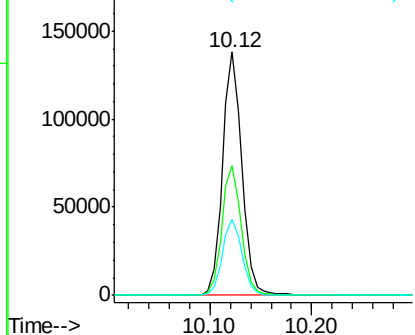
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VX000308.D
Acq: 13 Mar 2018 18:46

Instrument :
MSVOA_X
ClientSampled :
RT-3867

Tot Ion:117 Resp: 182278
Ion Ratio Lower Upper
117 100
82 53.0 42.0 63.0
119 31.4 25.3 37.9

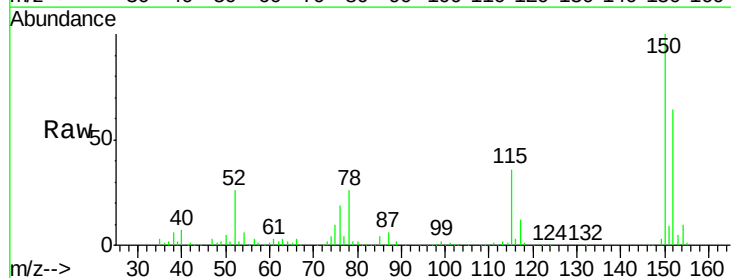


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

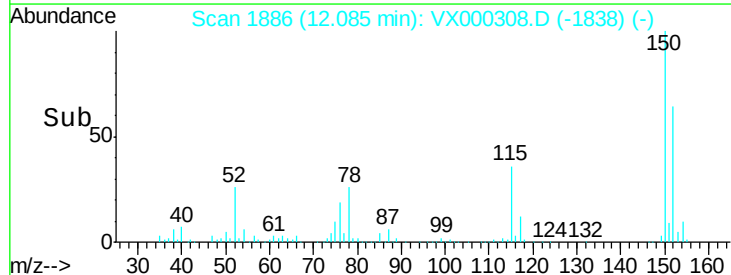
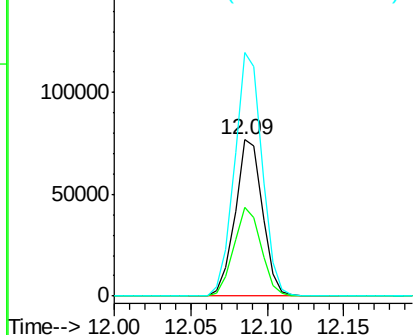


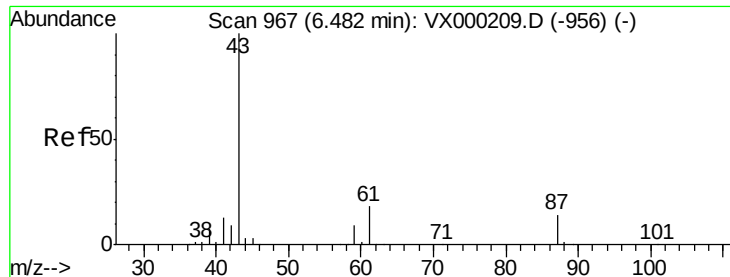
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. -0.01 min
Lab File: VX000308.D
Acq: 13 Mar 2018 18:46

Tgt Ion:152 Resp: 95393
Ion Ratio Lower Upper
152 100
115 56.6 39.8 119.3
150 156.2 0.0 345.0



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





#74

N-amvl acetate

Concen: 0.48 ug/l

RT: 6.49 min Scan# 968

Delta R.T. 0.01 min

Lab File: VX000308.D

Acq: 13 Mar 2018 18:46

Instrument :

MSVOA_X

ClientSampleId :

RT-3867

Tot Ion: 43 Resp: 1479

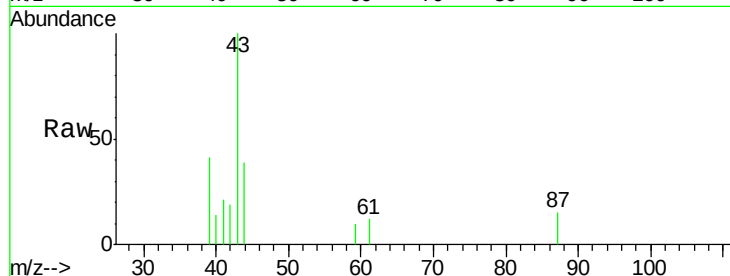
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0

61 12.8 14.8 22.2#

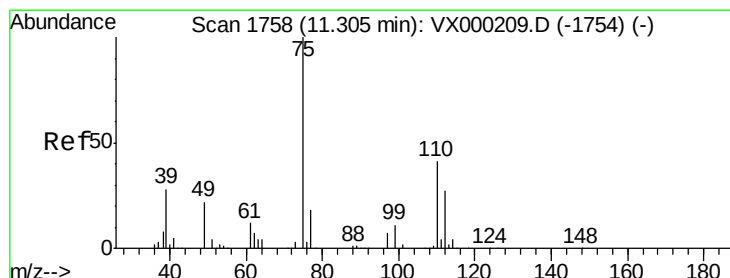
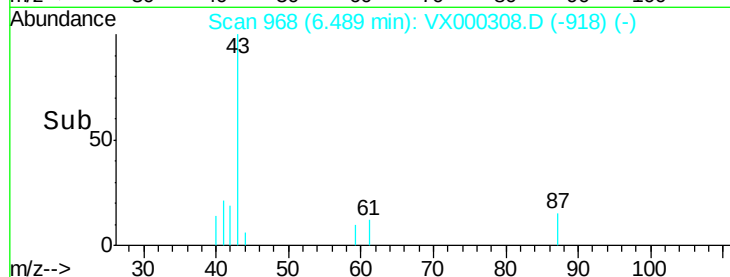
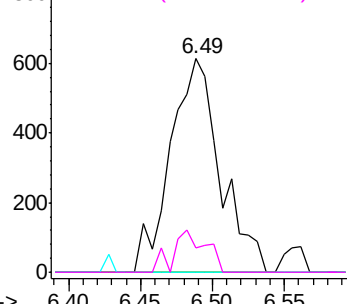


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#76

1,2,3-Trichloropropane

Concen: 25.47 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.16 min

Lab File: VX000308.D

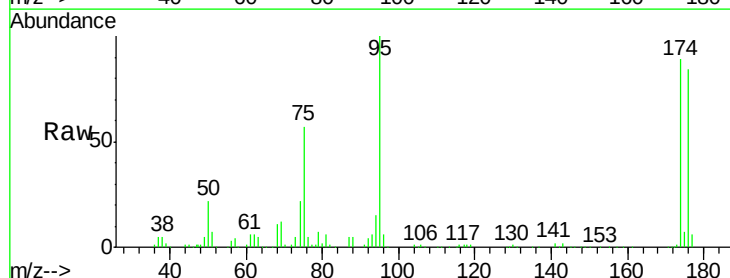
Acq: 13 Mar 2018 18:46

Tgt Ion: 75 Resp: 48700

Ion Ratio Lower Upper

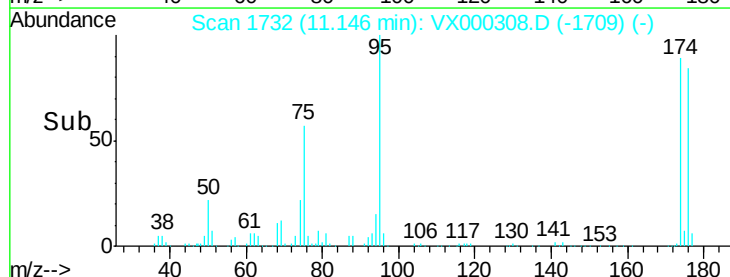
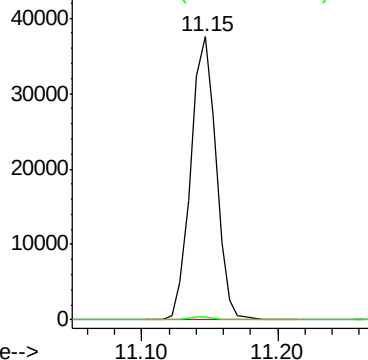
75 100

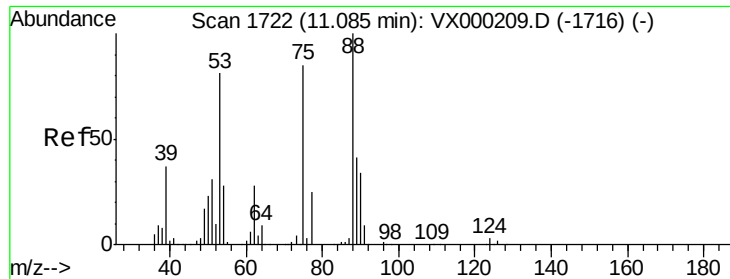
77 1.0 22.3 66.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

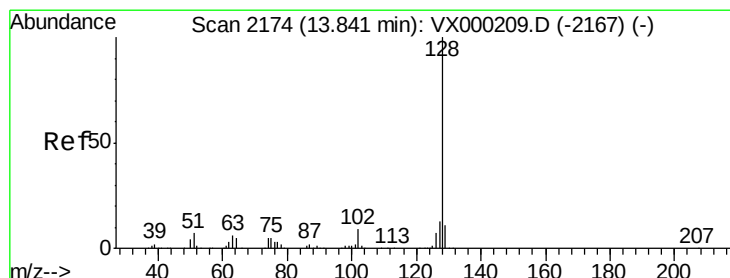
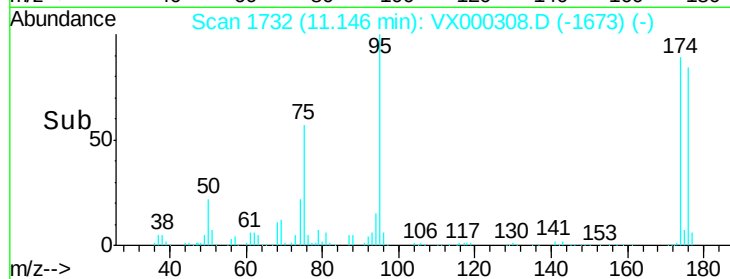
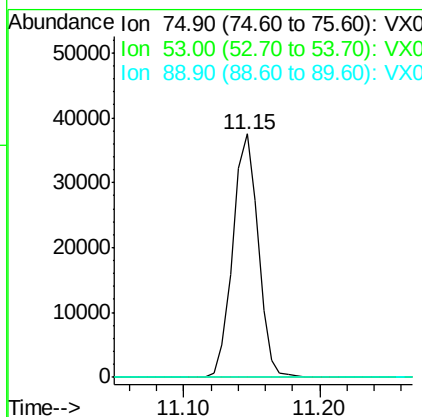
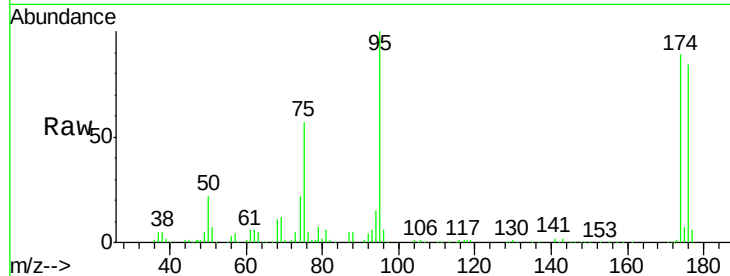




#81
 trans-1,4-Dichloro-2-butene
 Concen: 77.99 ug/l
 RT: 11.15 min Scan# 1732
 Delta R.T. 0.06 min
 Lab File: VX000308.D
 Acq: 13 Mar 2018 18:46

Instrument :
 MSVOA_X
 ClientSampleId :
 RT-3867

Tot Ion: 75 Resp: 48700
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.6 118.0#
 89 0.1 38.8 58.2#



#95
 Naphthalene
 Concen: 2.93 ug/l
 RT: 13.85 min Scan# 2175
 Delta R.T. 0.01 min
 Lab File: VX000308.D
 Acq: 13 Mar 2018 18:46

Tgt Ion: 128 Resp: 21643
 Ion Ratio Lower Upper
 128 100
 127 14.6 10.5 15.7
 129 10.4 8.6 13.0

