

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070518\
 Data File : VX003194.D
 Acq On : 06 Jul 2018 01:54
 Operator : JC/MD
 Sample : J3844-13
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 CPTB01-180702

Quant Time: Jul 06 03:29:08 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 14:38:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	287755	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	405760	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	365725	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	204562	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	183600	46.16	ug/l	0.00
Spiked Amount			Recovery	=	92.32%	
35) Dibromofluoromethane	5.51	113	151701	47.21	ug/l	0.00
Spiked Amount			Recovery	=	94.42%	
50) Toluene-d8	8.72	98	555247	47.32	ug/l	0.00
Spiked Amount			Recovery	=	94.64%	
62) 4-Bromofluorobenzene	11.14	95	193603	42.78	ug/l	0.00
Spiked Amount			Recovery	=	85.56%	

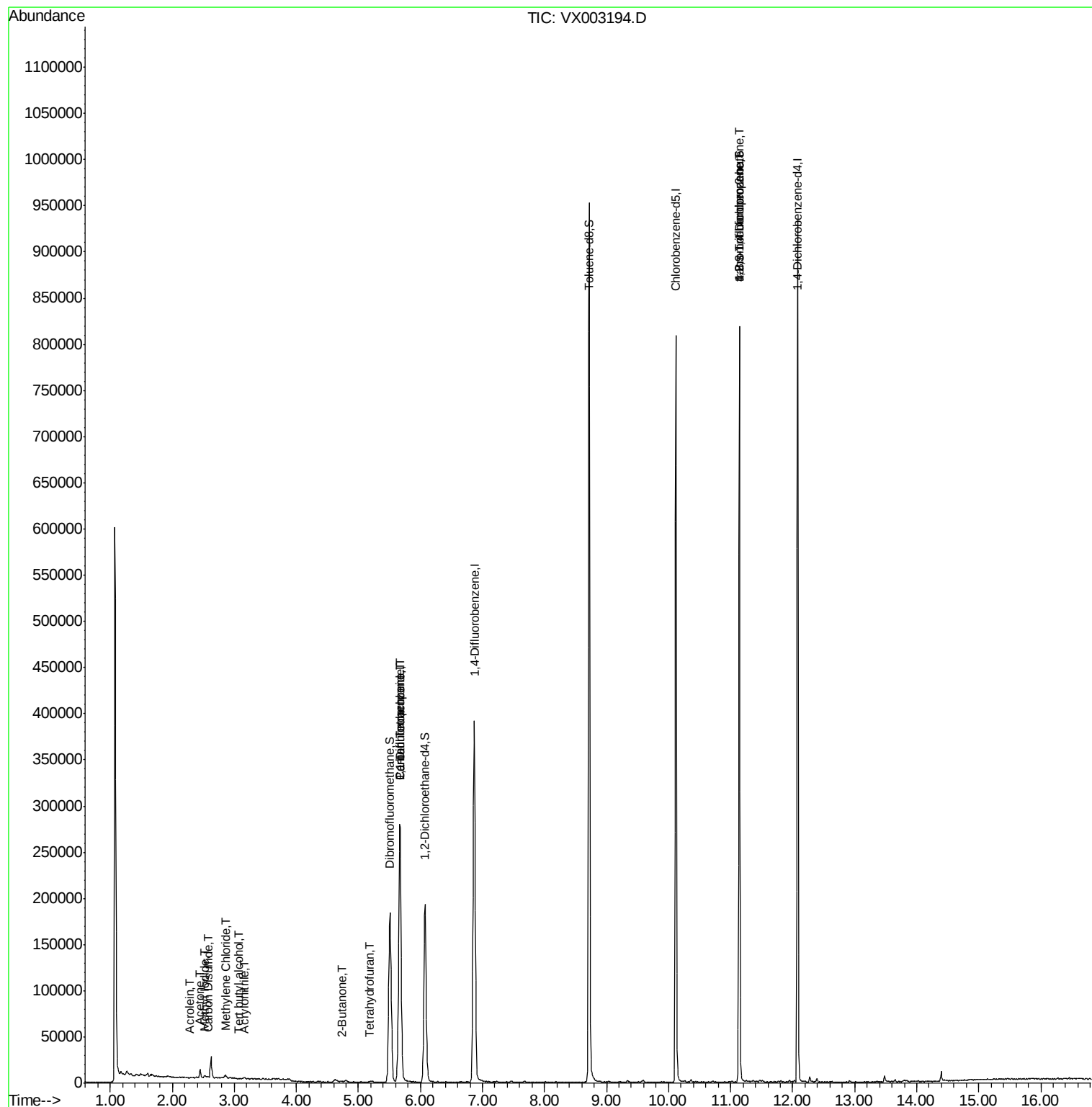
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	153	Below Cal	#	43
3) Chloromethane	1.32	50	828	Below Cal		98
5) Bromomethane	1.65	94	1773	Below Cal		88
6) Chloroethane	1.70	64	187	Below Cal	#	43
10) Methyl Iodide	2.52	142	3379	7.14	ug/l	98
11) Tert butyl alcohol	3.07	59	162	0.20	ug/l	# 1
13) Acrolein	2.28	56	260	4.81	ug/l	# 51
15) Acrylonitrile	3.16	53	545	0.32	ug/l	# 77
16) Acetone	2.45	43	9871	5.99	ug/l	# 90
17) Carbon Disulfide	2.57	76	1631	0.22	ug/l	# 84
20) Methylene Chloride	2.86	84	1338	0.42	ug/l	# 93
25) 2-Butanone	4.73	43	893	0.37	ug/l	# 96
29) Tetrahydrofuran	5.18	42	917	0.58	ug/l	# 68
36) 1,1-Dichloropropene	5.67	75	18574	4.17	ug/l	# 50
38) Carbon Tetrachloride	5.67	117	25774	5.28	ug/l	# 16
76) 1,2,3-Trichloropropane	11.14	75	98107	26.48	ug/l	# 33
81) trans-1,4-Dichloro-2-buten	11.14	75	98107	75.02	ug/l	# 7

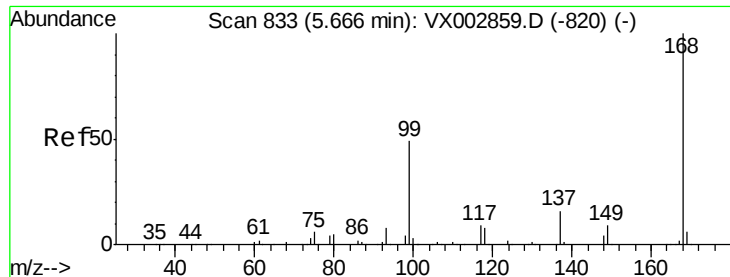
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Jun 25 14:38:05 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.01 min

Lab File: VX003194.D

Acq: 06 Jul 2018 01:54

Instrument :

MSVOA_X

ClientSampleId :

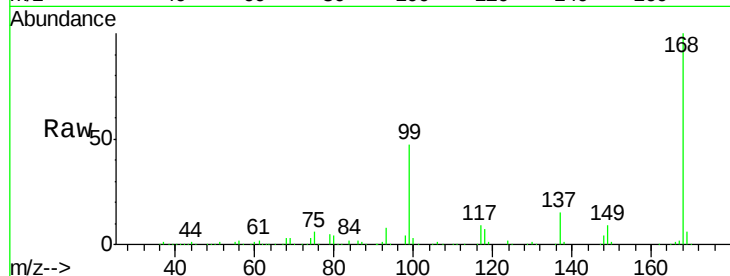
CPTB01-180702

Tot Ion:168 Resp: 287755

Ion Ratio Lower Upper

168 100

99 46.8 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

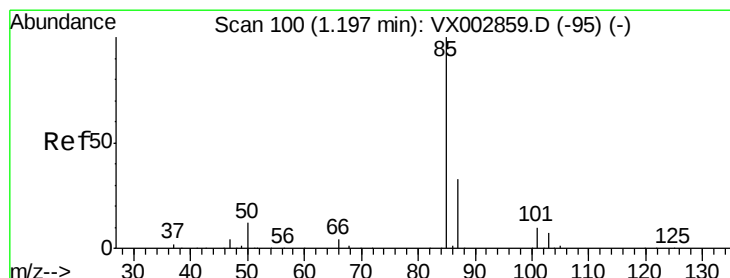
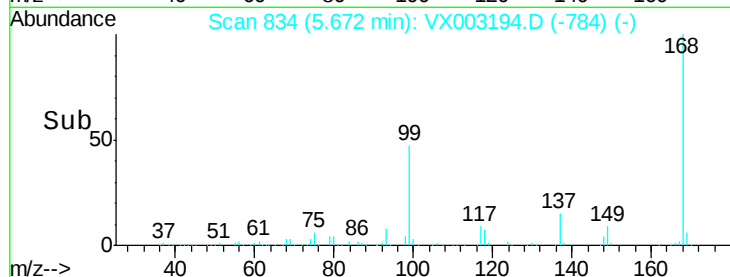
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003194.D

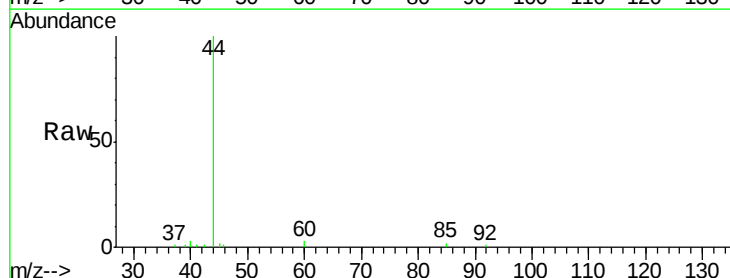
Acq: 06 Jul 2018 01:54

Tgt Ion: 85 Resp: 153

Ion Ratio Lower Upper

85 100

87 0.0 16.0 47.9#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

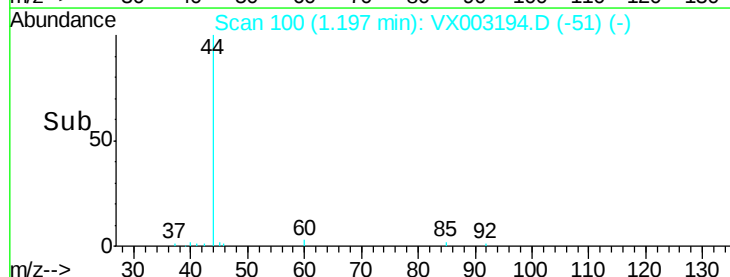
150

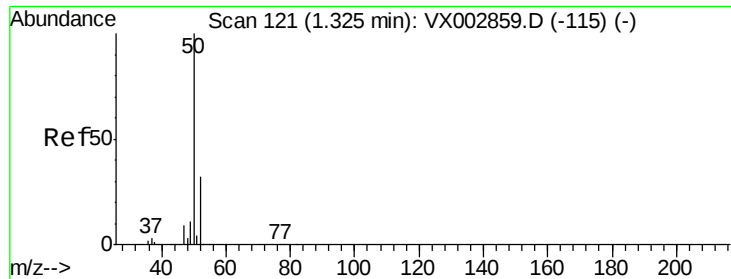
100

50

0

Time--> 1.16 1.18 1.20 1.22





#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003194.D

Acq: 06 Jul 2018 01:54

Instrument :

MSVOA_X

ClientSampleId :

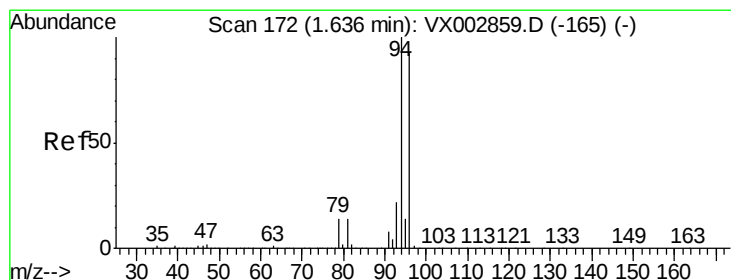
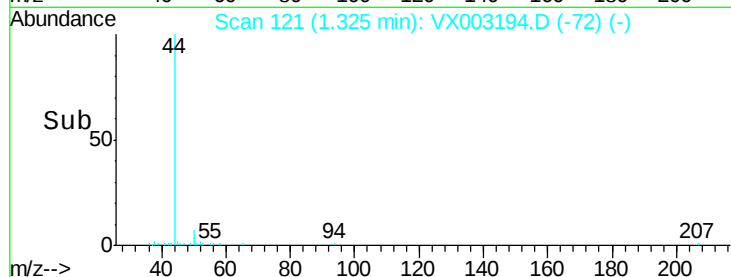
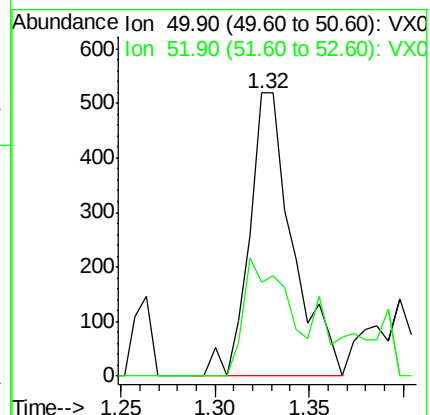
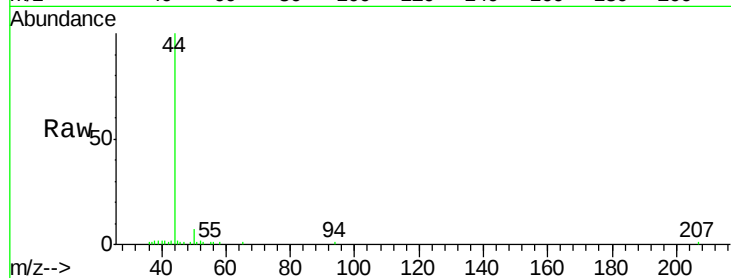
CPTB01-180702

Tot Ion: 50 Resp: 828

Ion Ratio Lower Upper

50 100

52 33.3 25.7 38.5



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX003194.D

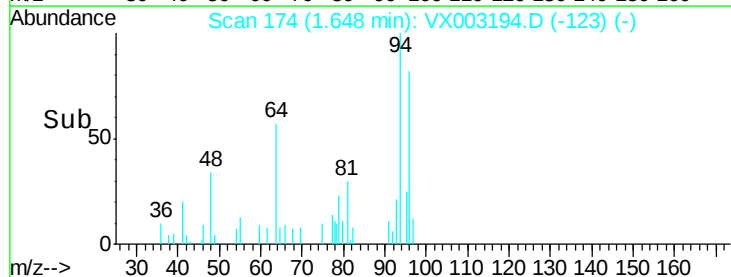
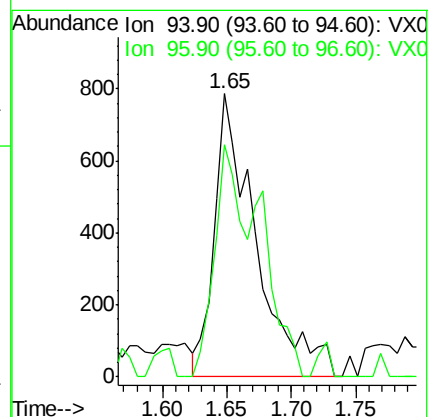
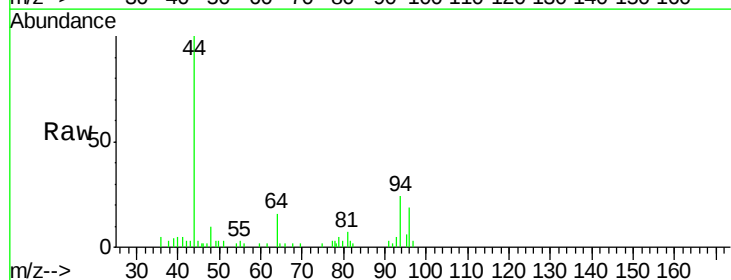
Acq: 06 Jul 2018 01:54

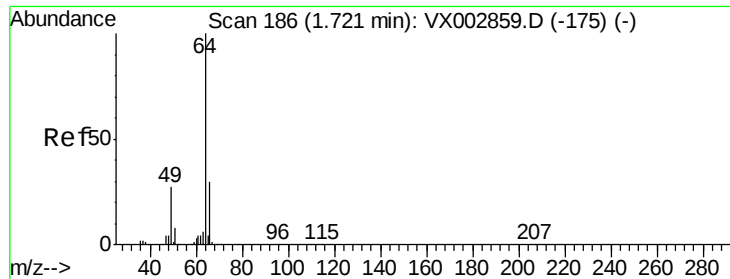
Tgt Ion: 94 Resp: 1773

Ion Ratio Lower Upper

94 100

96 81.8 74.9 112.3





#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 183

Delta R.T. -0.02 min

Lab File: VX003194.D

Acq: 06 Jul 2018 01:54

Instrument :

MSVOA_X

ClientSampleId :

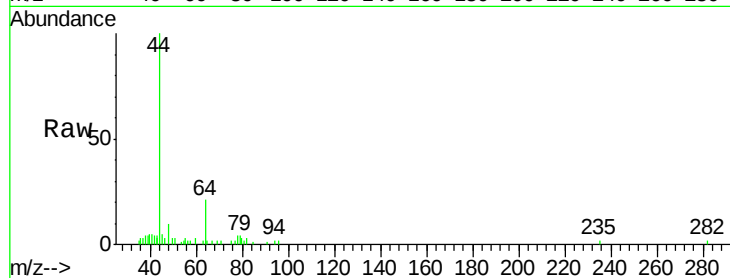
CPTB01-180702

Tot Ion: 64 Resp: 187

Ion Ratio Lower Upper

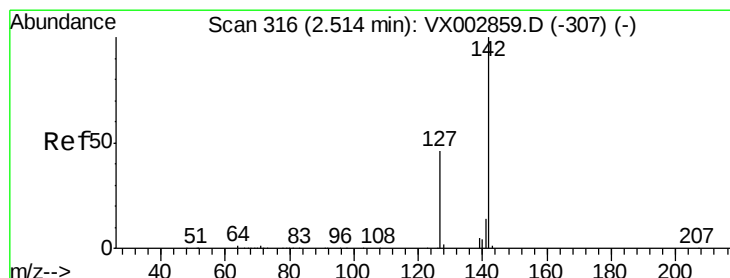
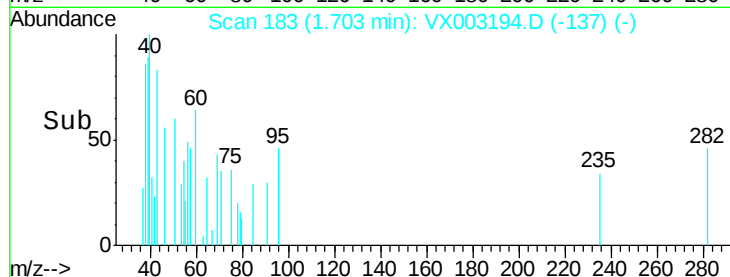
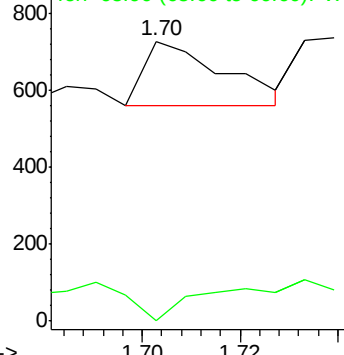
64 100

66 0.0 25.5 38.3#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#10

Methyl Iodide

Concen: 7.14 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX003194.D

Acq: 06 Jul 2018 01:54

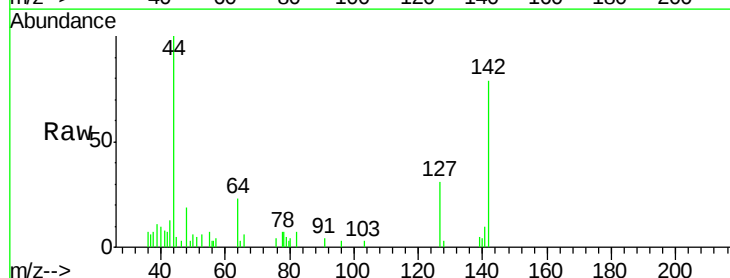
Tgt Ion:142 Resp: 3379

Ion Ratio Lower Upper

142 100

127 46.5 36.6 55.0

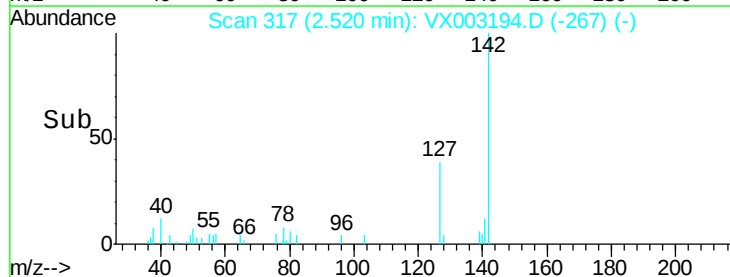
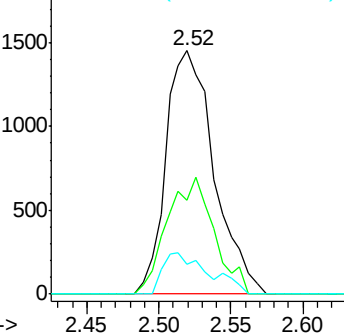
141 16.2 11.3 16.9

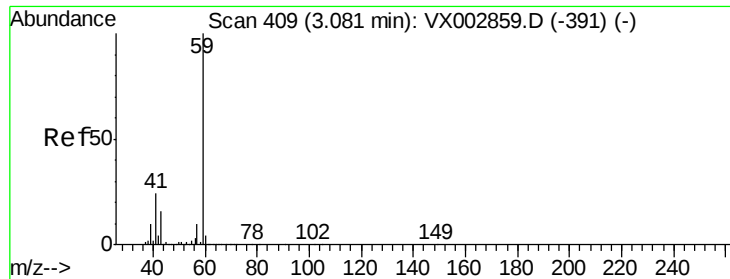


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

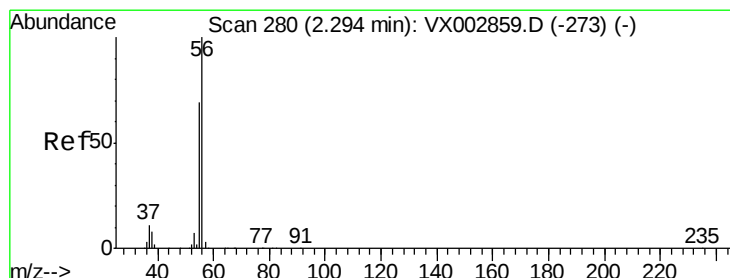
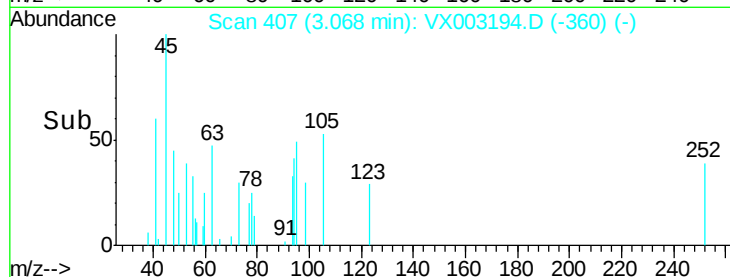
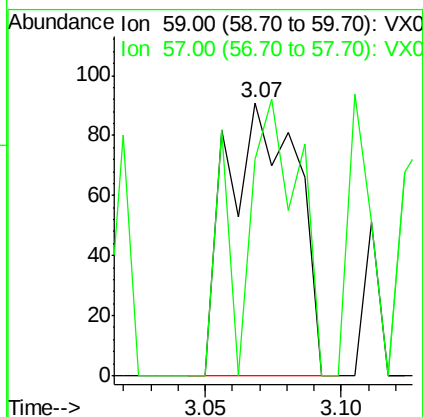
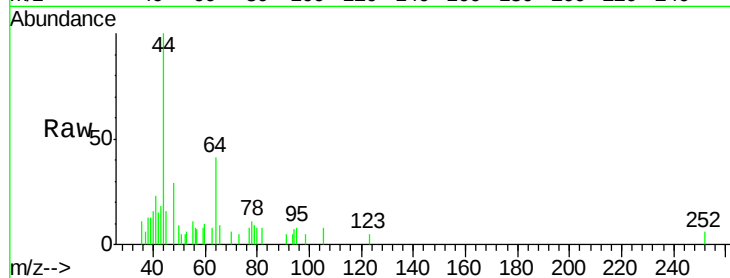




#11
Tert butyl alcohol
Concen: 0.20 ug/l
RT: 3.07 min Scan# 407
Delta R.T. -0.01 min
Lab File: VX003194.D
Acq: 06 Jul 2018 01:54

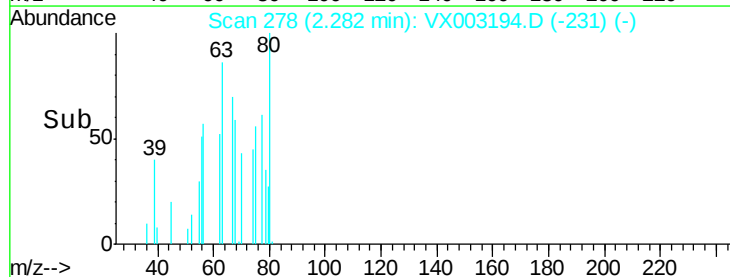
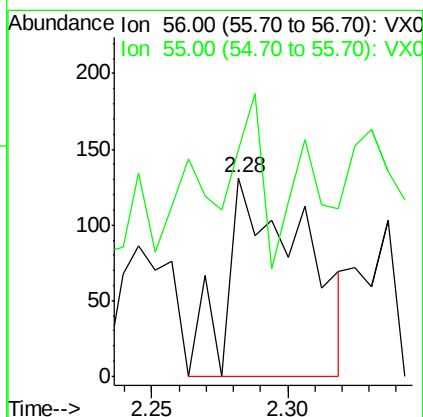
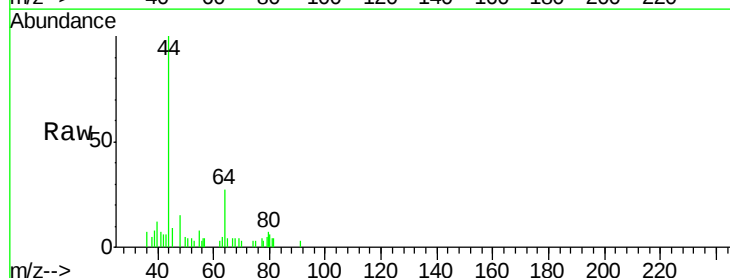
Instrument :
MSVOA_X
ClientSampleId :
CPTB01-180702

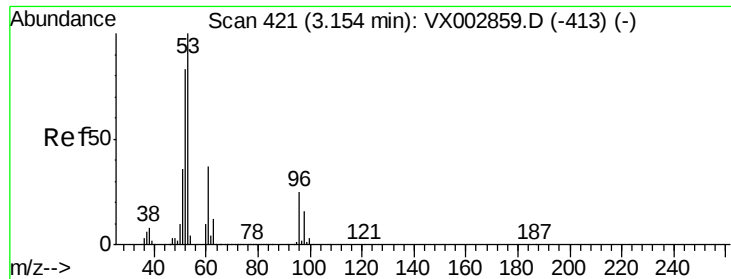
Tot Ion: 59 Resp: 162
Ion Ratio Lower Upper
59 100
57 85.2 8.2 12.2#



#13
Acrolein
Concen: 4.81 ug/l
RT: 2.28 min Scan# 278
Delta R.T. -0.01 min
Lab File: VX003194.D
Acq: 06 Jul 2018 01:54

Tgt Ion: 56 Resp: 260
Ion Ratio Lower Upper
56 100
55 30.4 57.0 85.4#





#15

Acrylonitrile

Concen: 0.32 ug/l

RT: 3.16 min Scan# 422

Delta R.T. 0.01 min

Lab File: VX003194.D

Acq: 06 Jul 2018 01:54

Instrument :

MSVOA_X

ClientSampleId :

CPTB01-180702

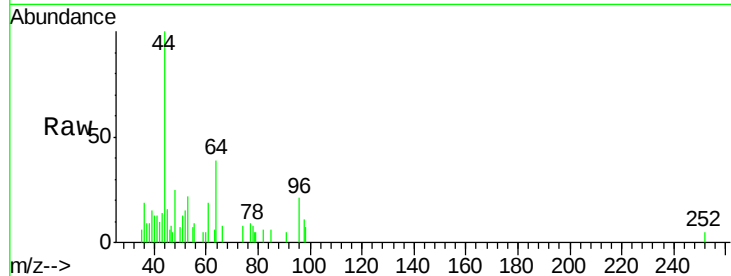
Tot Ion: 53 Resp: 545

Ion Ratio Lower Upper

53 100

52 104.2 66.7 100.1#

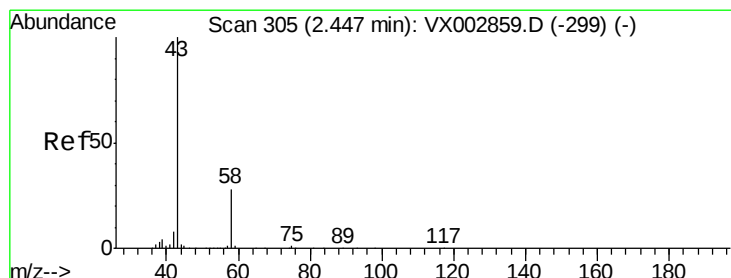
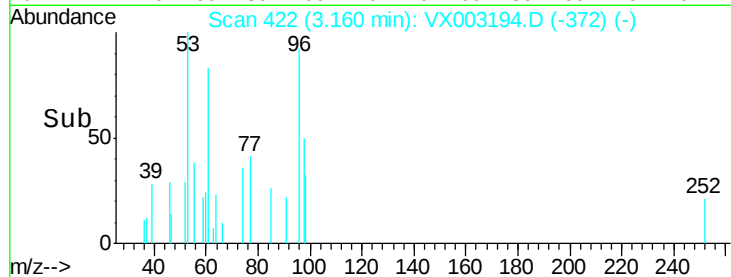
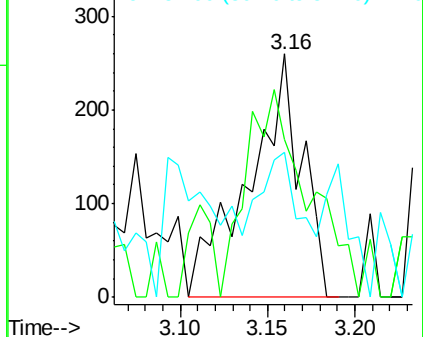
51 50.5 29.9 44.9#



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 5.99 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.00 min

Lab File: VX003194.D

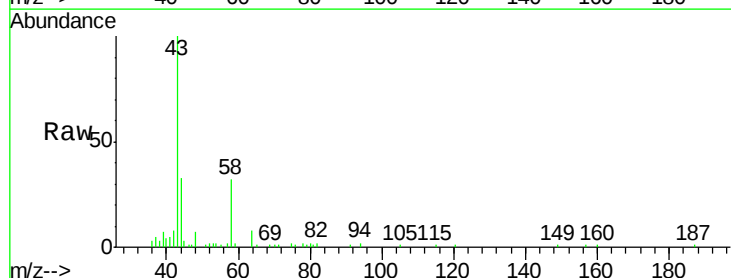
Acq: 06 Jul 2018 01:54

Tgt Ion: 43 Resp: 9871

Ion Ratio Lower Upper

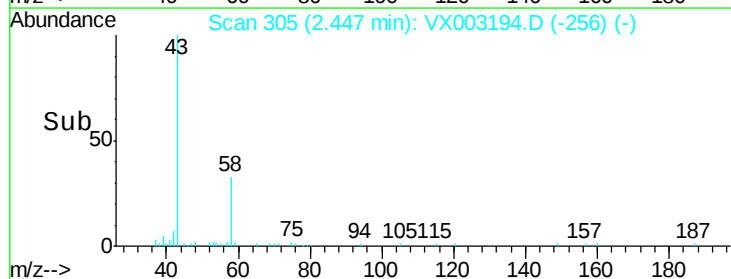
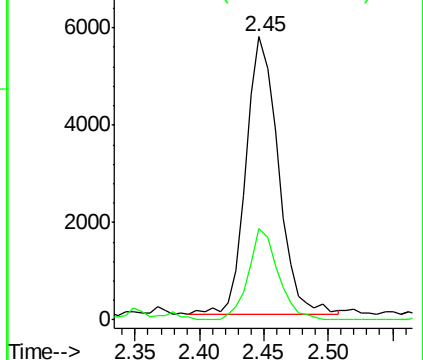
43 100

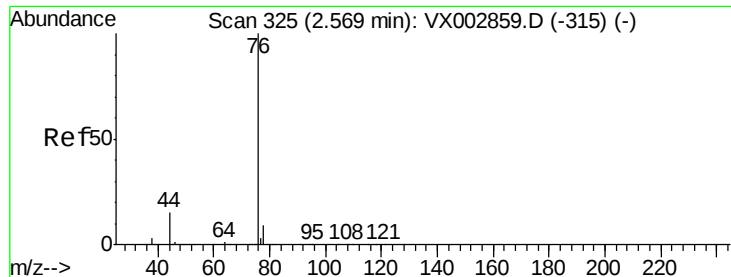
58 33.1 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 0.22 ug/l

RT: 2.57 min Scan# 326

Delta R.T. 0.01 min

Lab File: VX003194.D

Acq: 06 Jul 2018 01:54

Instrument :

MSVOA_X

ClientSampleId :

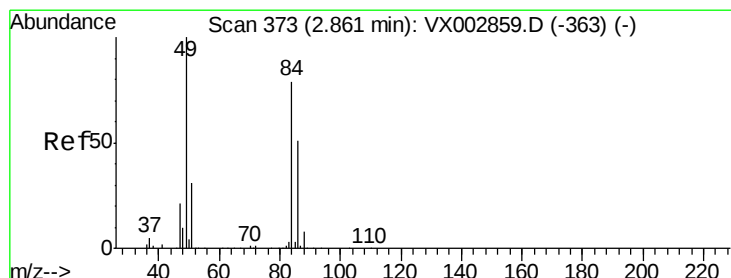
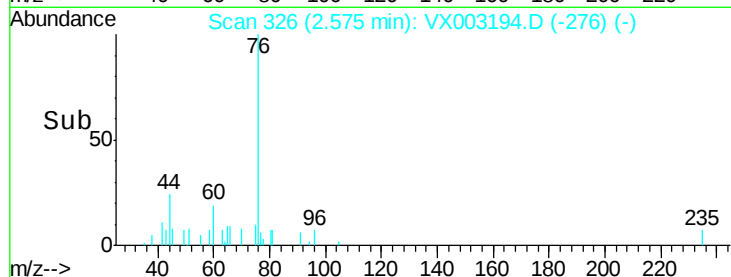
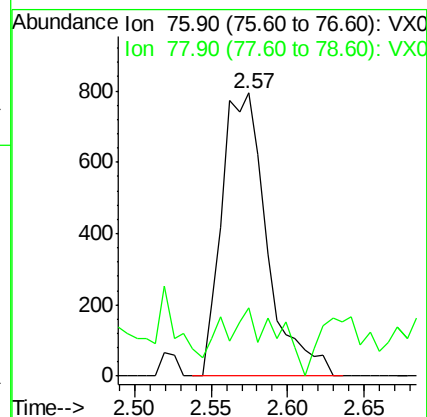
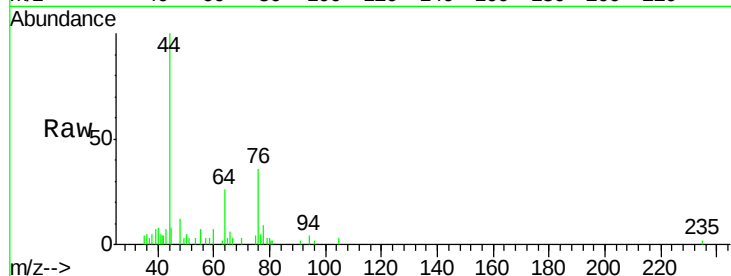
CPTB01-180702

Tot Ion: 76 Resp: 1631

Ion Ratio Lower Upper

76 100

78 14.4 6.9 10.3#



#20

Methylene Chloride

Concen: 0.42 ug/l

RT: 2.86 min Scan# 373

Delta R.T. -0.00 min

Lab File: VX003194.D

Acq: 06 Jul 2018 01:54

Tgt Ion: 84 Resp: 1338

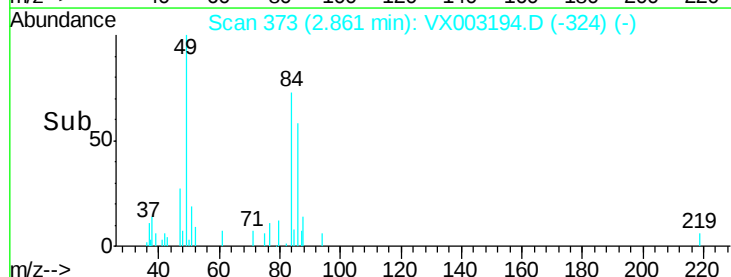
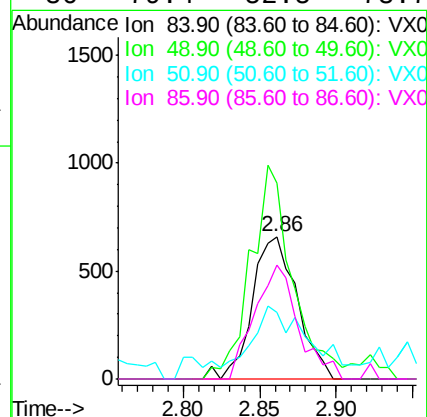
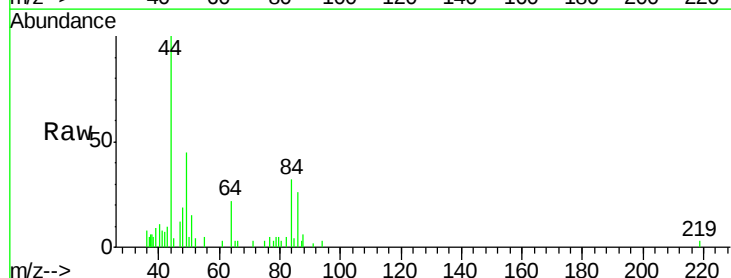
Ion Ratio Lower Upper

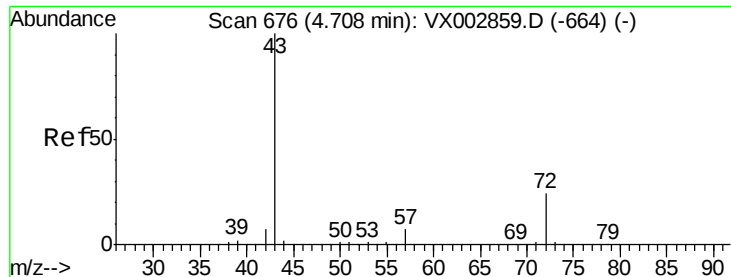
84 100

49 137.7 107.8 161.6

51 37.1 32.8 49.2

86 79.4 52.5 78.7#





#25

2-Butanone

Concen: 0.37 ug/l

RT: 4.73 min Scan# 679

Delta R.T. 0.02 min

Lab File: VX003194.D

Acq: 06 Jul 2018 01:54

Instrument :

MSVOA_X

ClientSampleId :

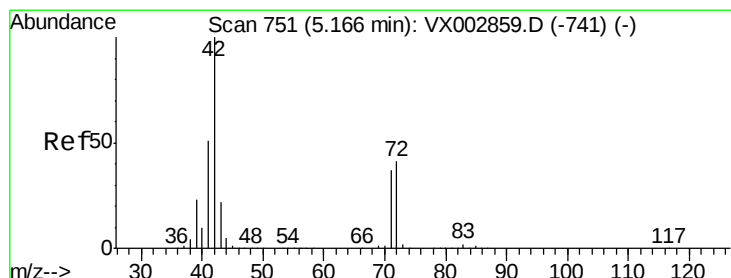
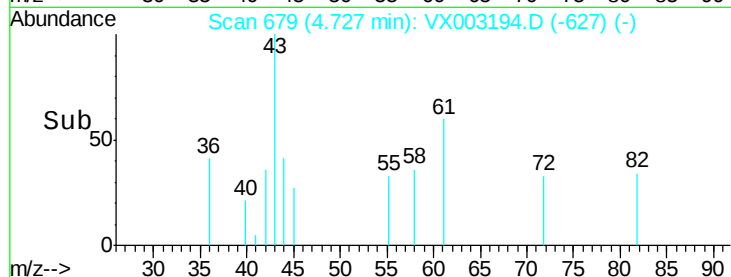
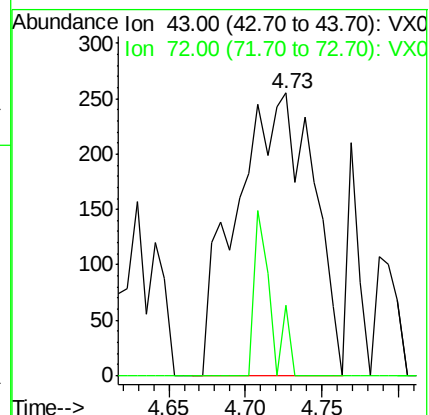
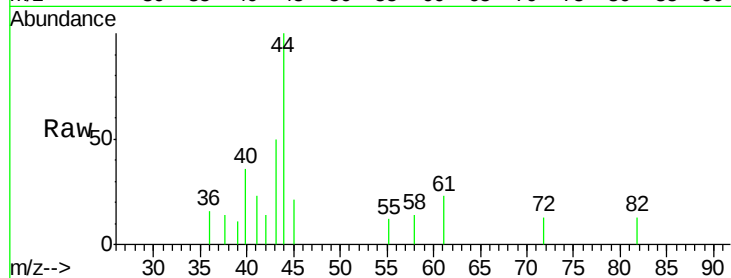
CPTB01-180702

Tot Ion: 43 Resp: 893

Ion Ratio Lower Upper

43 100

72 25.1 18.5 27.7



#29

Tetrahydrofuran

Concen: 0.58 ug/l

RT: 5.18 min Scan# 753

Delta R.T. 0.01 min

Lab File: VX003194.D

Acq: 06 Jul 2018 01:54

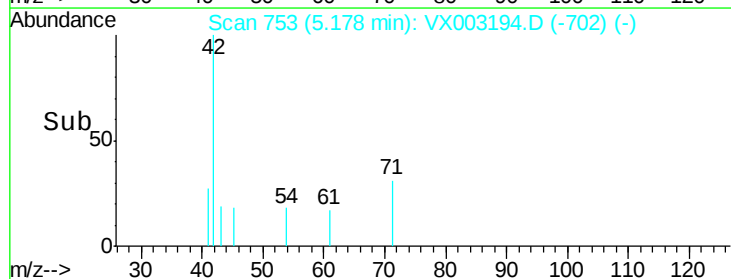
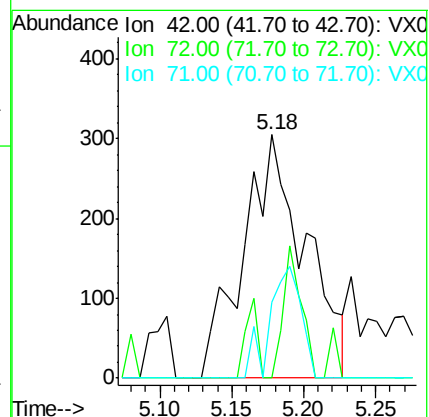
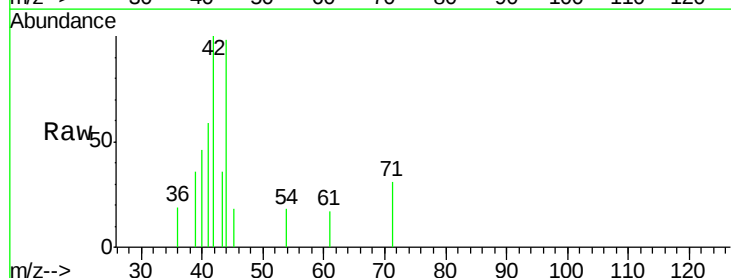
Tgt Ion: 42 Resp: 917

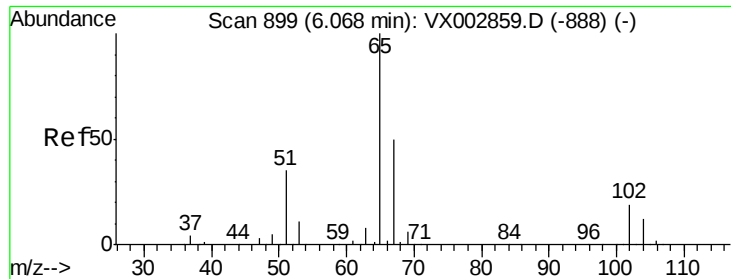
Ion Ratio Lower Upper

42 100

72 15.9 32.0 48.0#

71 23.1 30.1 45.1#

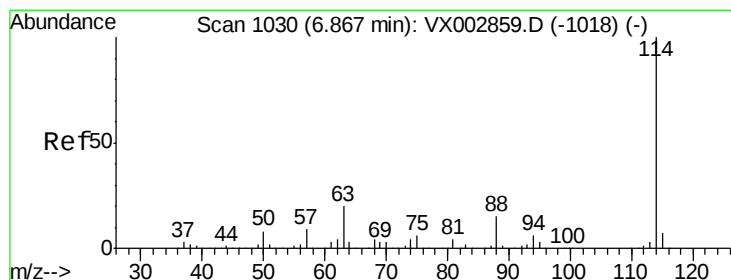
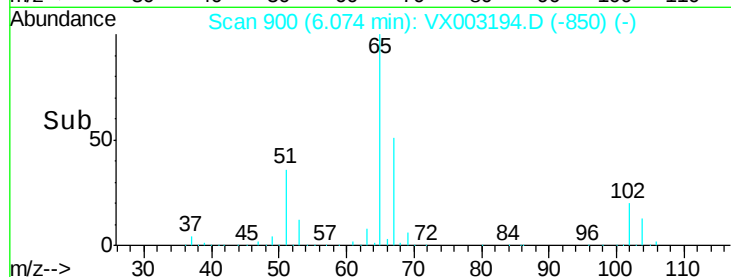
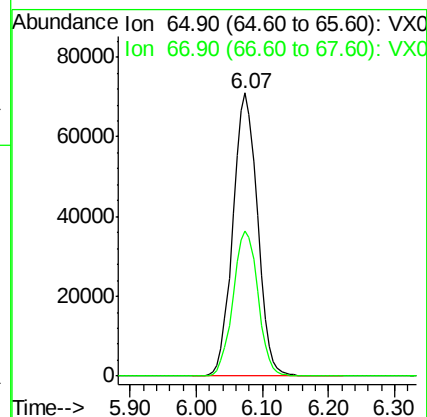
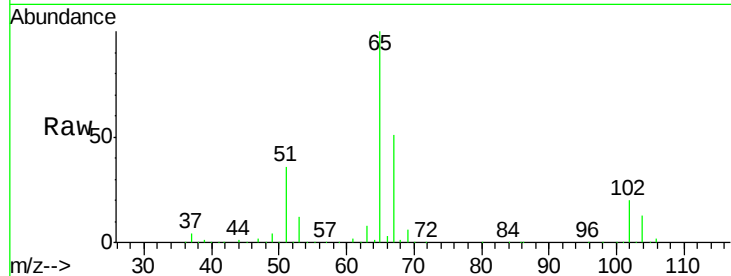




#33
 1,2-Dichloroethane-d4
 Concen: 46.16 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VX003194.D
 Acq: 06 Jul 2018 01:54

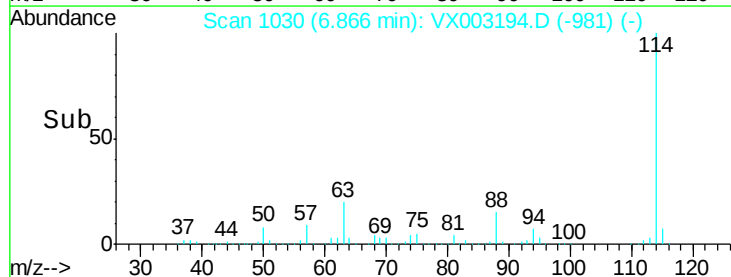
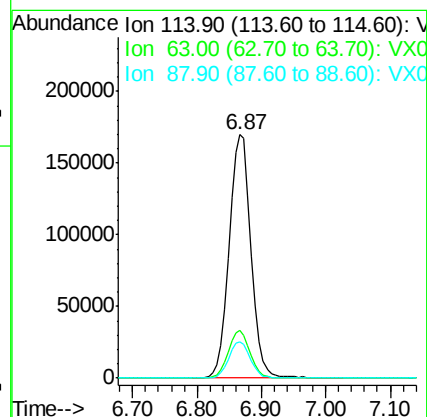
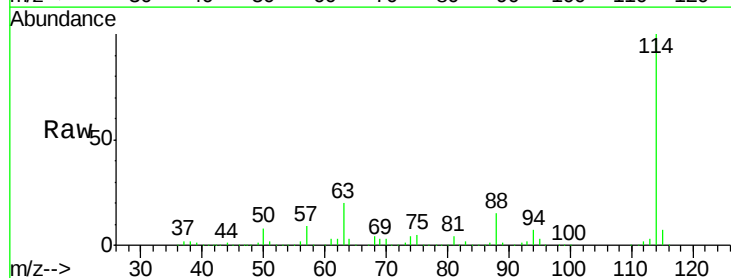
Instrument :
 MSVOA_X
 ClientSampleId :
 CPTB01-180702

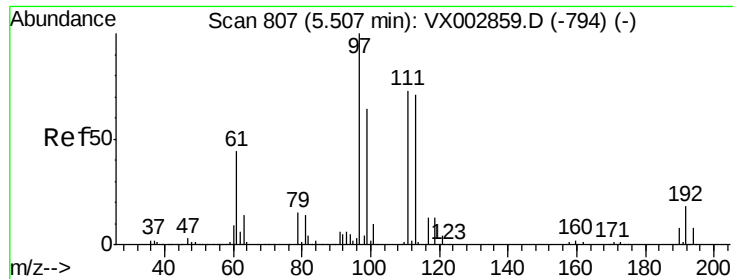
Tot Ion: 65 Resp: 183600
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX003194.D
 Acq: 06 Jul 2018 01:54

Tgt Ion: 114 Resp: 405760
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 41.4
 88 14.9 0.0 30.0

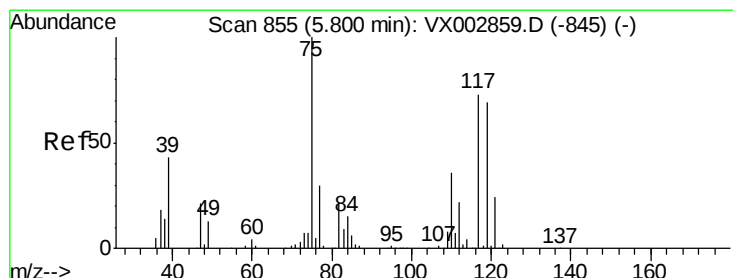
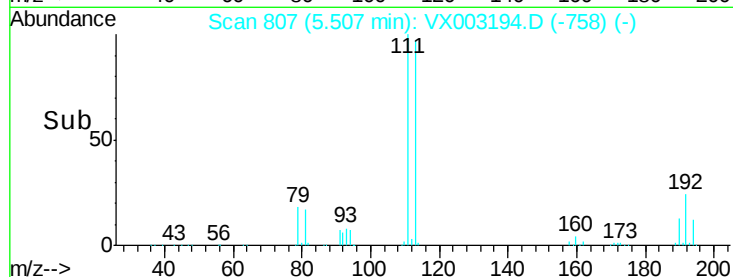
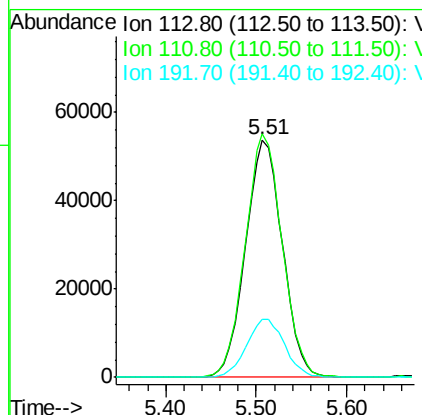
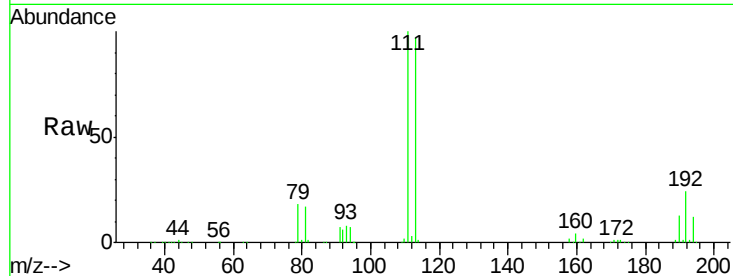




#35
 Dibromofluoromethane
 Concen: 47.21 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. -0.00 min
 Lab File: VX003194.D
 Acq: 06 Jul 2018 01:54

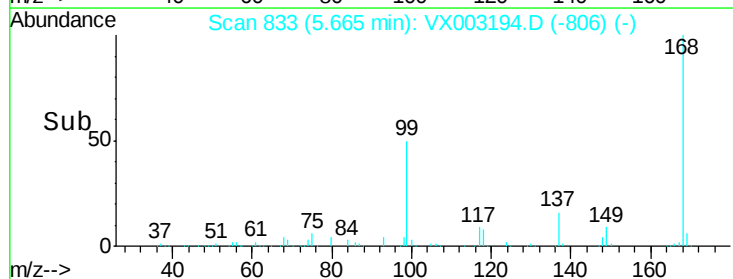
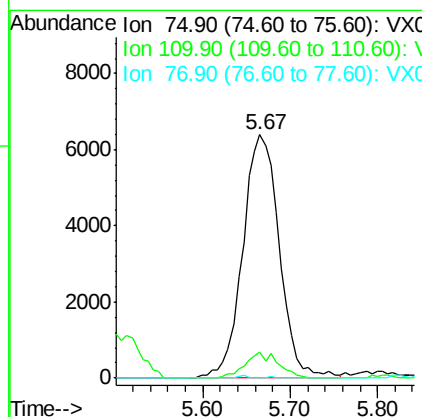
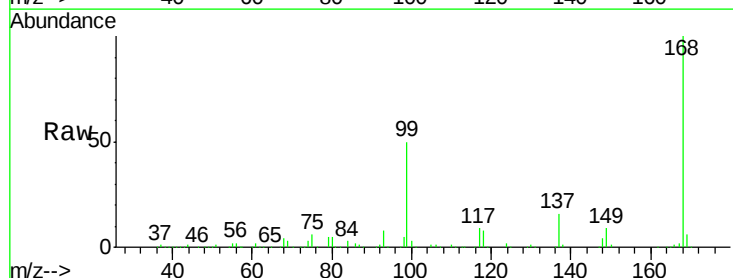
Instrument :
 MSVOA_X
 ClientSampleId :
 CPTB01-180702

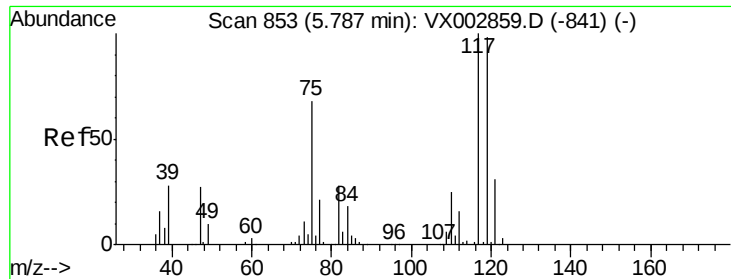
Tot Ion:113 Resp: 151701
 Ion Ratio Lower Upper
 113 100
 111 102.7 81.4 122.0
 192 25.3 19.1 28.7



#36
 1,1-Dichloropropene
 Concen: 4.17 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.13 min
 Lab File: VX003194.D
 Acq: 06 Jul 2018 01:54

Tgt Ion: 75 Resp: 18574
 Ion Ratio Lower Upper
 75 100
 110 9.7 18.1 54.4#
 77 0.1 24.3 36.5#





#38

Carbon Tetrachloride

Concen: 5.28 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.12 min

Lab File: VX003194.D

Acq: 06 Jul 2018 01:54

Instrument :

MSVOA_X

ClientSampleId :

CPTB01-180702

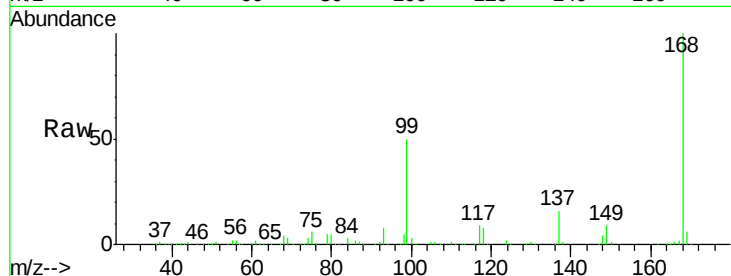
Tot Ion:117 Resp: 25774

Ion Ratio Lower Upper

117 100

119 4.9 77.4 116.0#

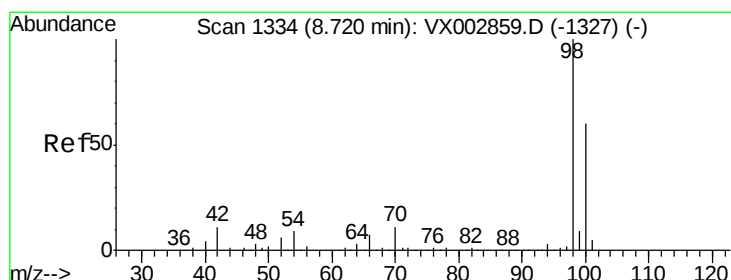
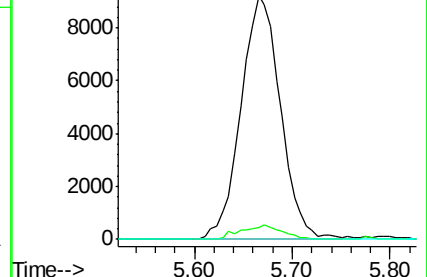
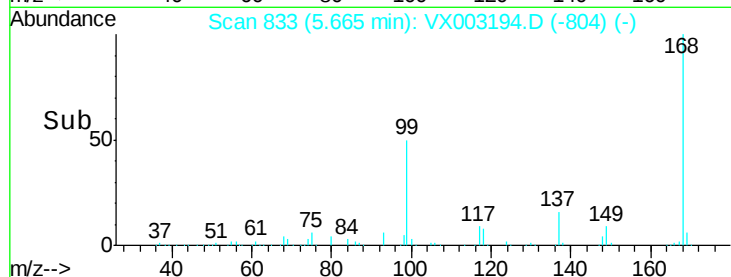
121 0.0 24.4 36.6#



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



#50

Toluene-d8

Concen: 47.32 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX003194.D

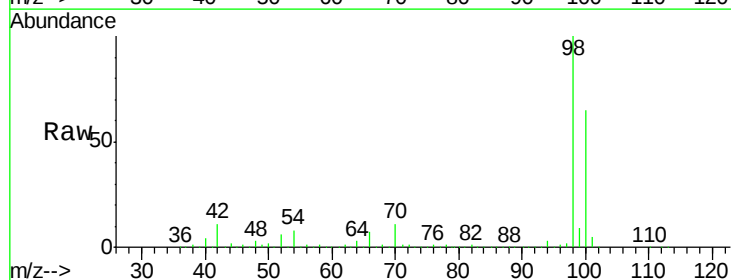
Acq: 06 Jul 2018 01:54

Tgt Ion: 98 Resp: 555247

Ion Ratio Lower Upper

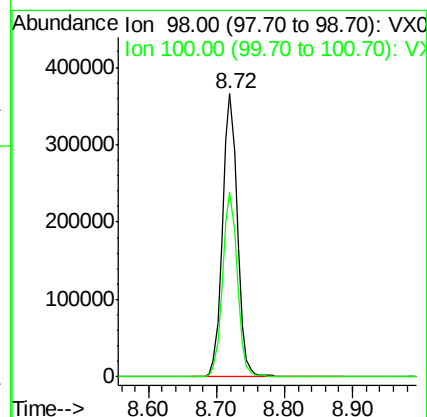
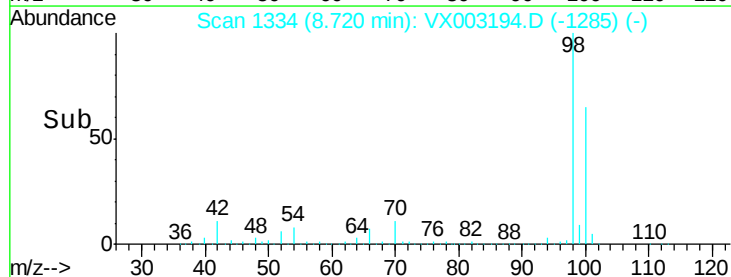
98 100

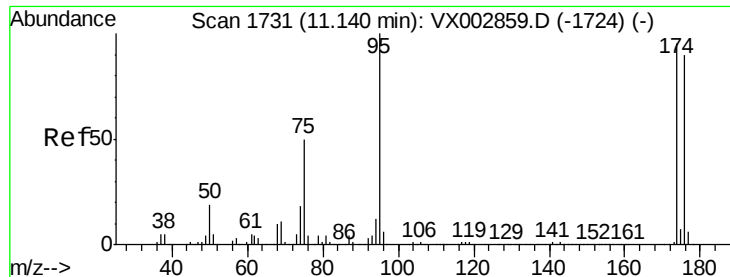
100 64.6 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 42.78 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003194.D

Acq: 06 Jul 2018 01:54

Instrument :

MSVOA_X

ClientSampleId :

CPTB01-180702

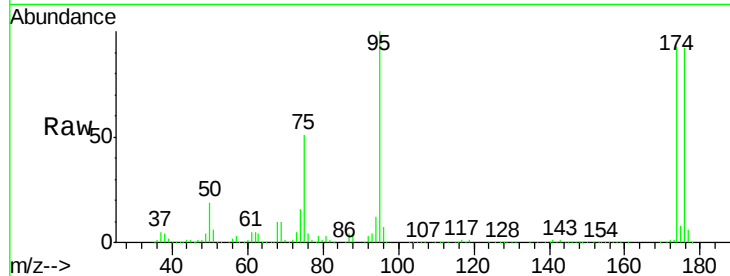
Tot Ion: 95 Resp: 193603

Ion Ratio Lower Upper

95 100

174 97.7 0.0 187.4

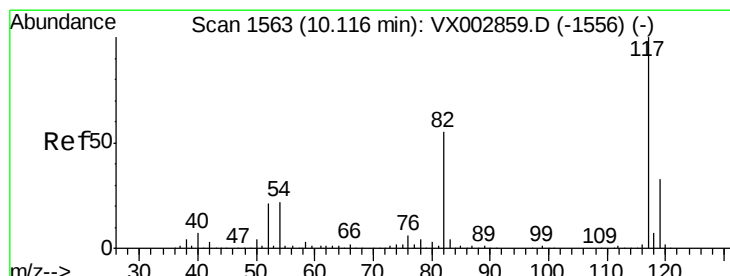
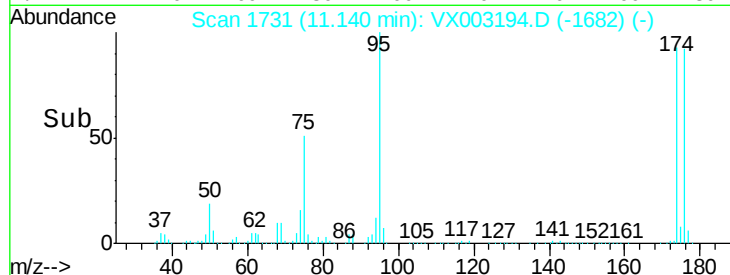
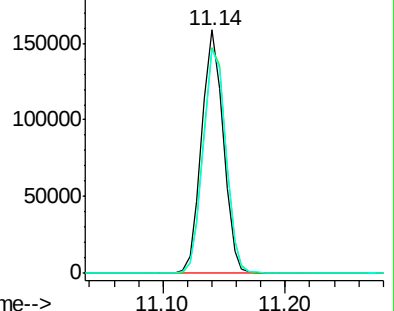
176 96.1 0.0 181.0



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



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VX003194.D

Acq: 06 Jul 2018 01:54

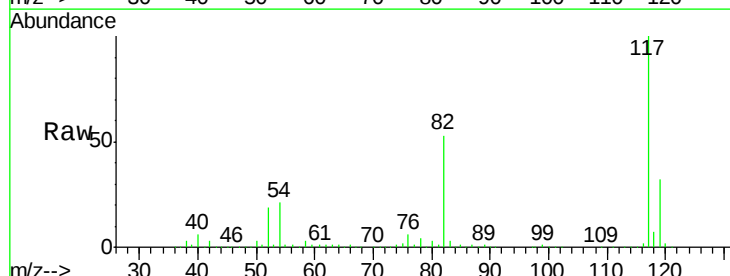
Tgt Ion: 117 Resp: 365725

Ion Ratio Lower Upper

117 100

82 52.7 45.0 67.4

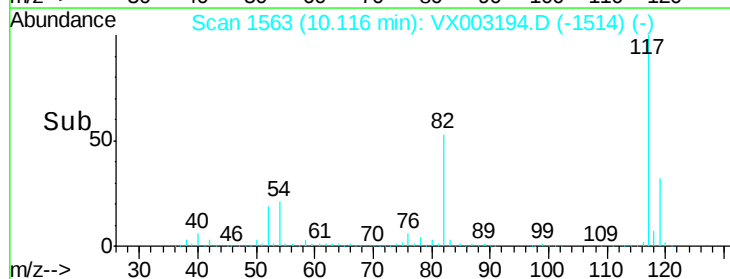
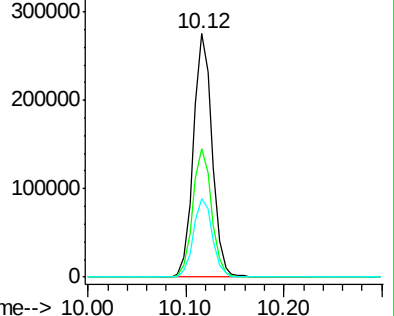
119 32.3 25.8 38.6

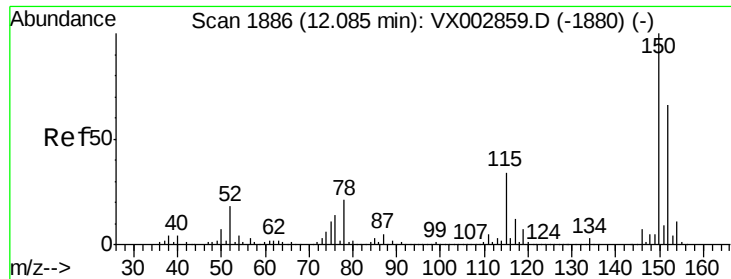


Abundance Ion 116.90 (116.60 to 117.60): V

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: 12.08 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VX003194.D

Acq: 06 Jul 2018 01:54

Instrument :

MSVOA_X

ClientSampleId :

CPTB01-180702

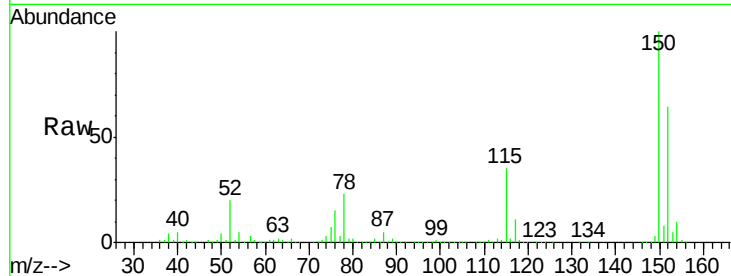
Tot Ion:152 Resp: 204562

Ion Ratio Lower Upper

152 100

115 53.4 40.1 120.2

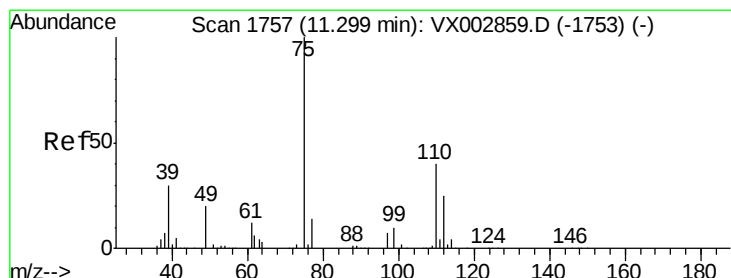
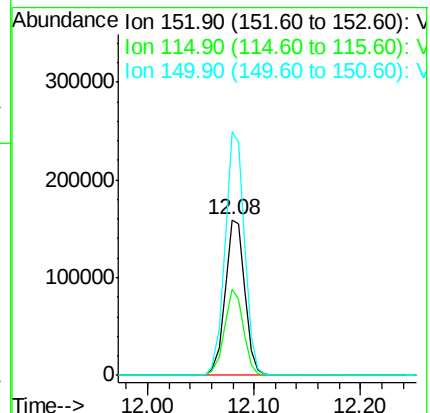
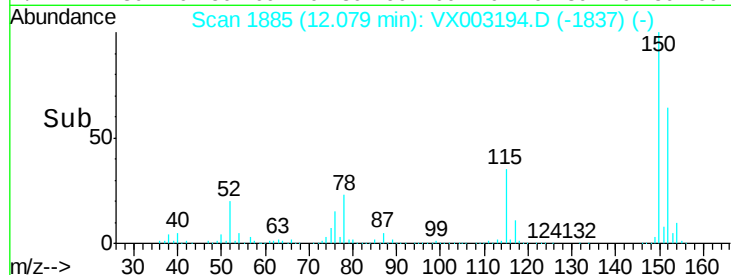
150 155.4 0.0 347.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 26.48 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX003194.D

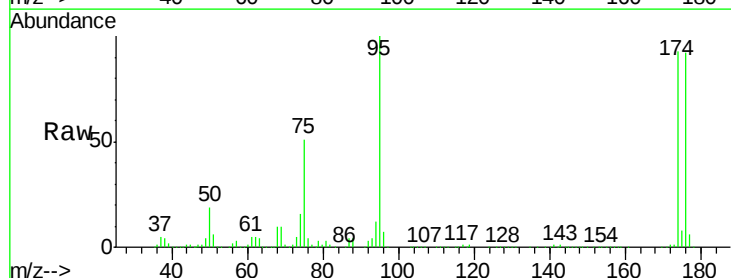
Acq: 06 Jul 2018 01:54

Tgt Ion: 75 Resp: 98107

Ion Ratio Lower Upper

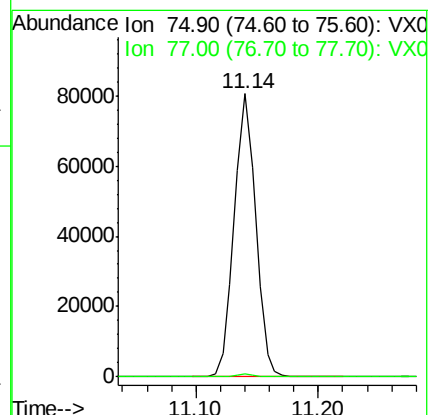
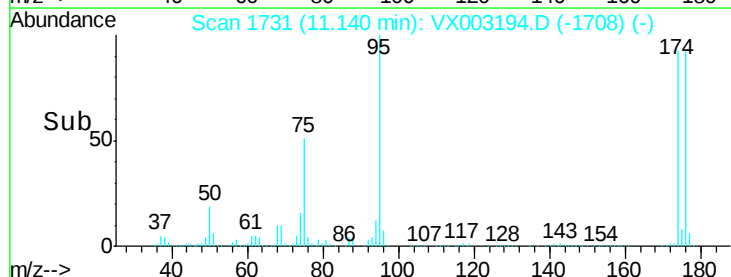
75 100

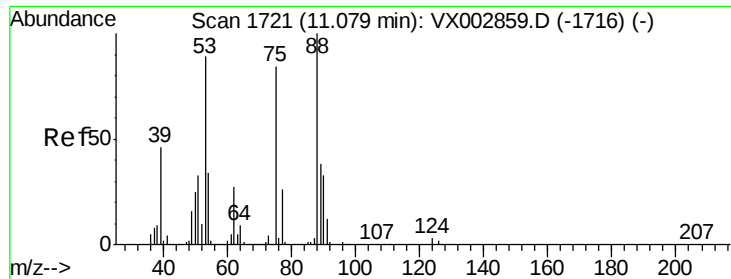
77 1.1 22.8 68.3#



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: 75.02 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX003194.D

Acq: 06 Jul 2018 01:54

Instrument :

MSVOA_X

ClientSampleId :

CPTB01-180702

Tot Ion: 75 Resp: 98107

Ion Ratio Lower Upper

75 100

53 0.2 86.8 130.2#

89 0.0 38.2 57.2#

