

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070618\
 Data File : VX003221.D
 Acq On : 06 Jul 2018 19:20
 Operator : JC/MD
 Sample : VX0706WBL02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 07 00:01:31 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	284203	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	395143	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	366829	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	204495	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	179570	45.71	ug/l	0.00
Spiked Amount			Recovery	=	91.42%	
35) Dibromofluoromethane	5.50	113	153745	49.13	ug/l	0.00
Spiked Amount			Recovery	=	98.26%	
50) Toluene-d8	8.72	98	546715	47.84	ug/l	0.00
Spiked Amount			Recovery	=	95.68%	
62) 4-Bromofluorobenzene	11.14	95	191060	43.35	ug/l	0.00
Spiked Amount			Recovery	=	86.70%	

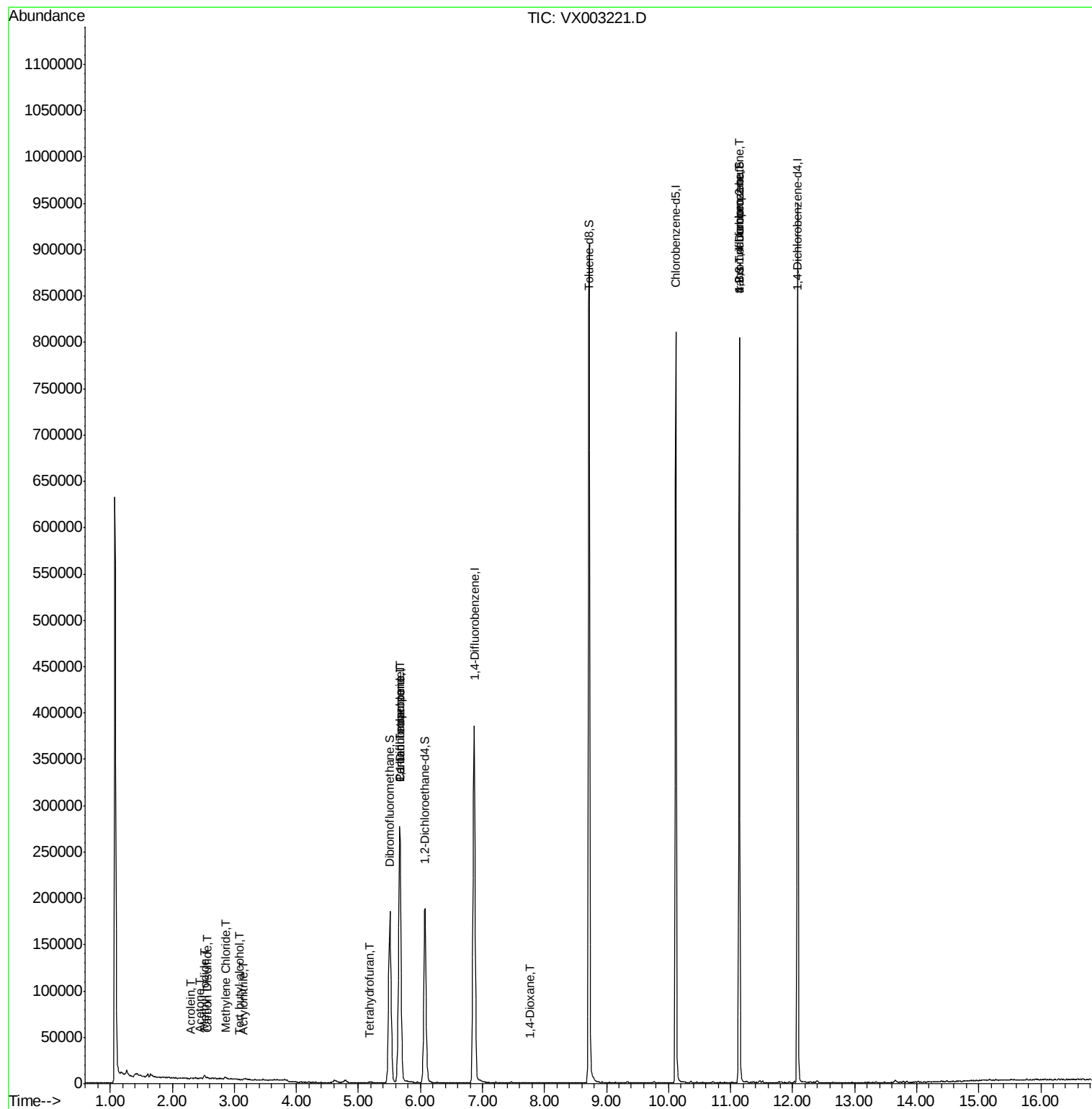
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	120	Below Cal	#	43
3) Chloromethane	1.32	50	942	Below Cal	#	76
5) Bromomethane	1.65	94	2911	Below Cal		97
6) Chloroethane	1.72	64	455	Below Cal	#	46
10) Methyl Iodide	2.52	142	4272	7.40	ug/l	99
11) Tert butyl alcohol	3.07	59	170	0.22	ug/l	97
13) Acrolein	2.30	56	312	4.94	ug/l #	12
15) Acrylonitrile	3.14	53	628	0.38	ug/l	91
16) Acetone	2.45	43	608	0.37	ug/l #	81
17) Carbon Disulfide	2.57	76	1598	0.21	ug/l #	92
20) Methylene Chloride	2.86	84	806	0.25	ug/l #	89
29) Tetrahydrofuran	5.18	42	773	0.50	ug/l #	70
36) 1,1-Dichloropropene	5.67	75	17834	4.12	ug/l #	51
38) Carbon Tetrachloride	5.67	117	24923	5.24	ug/l #	16
49) 1,4-Dioxane	7.77	88	19	0.24	ug/l #	1
76) 1,2,3-Trichloropropane	11.14	75	96302	26.00	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.14	75	96302	73.72	ug/l #	7

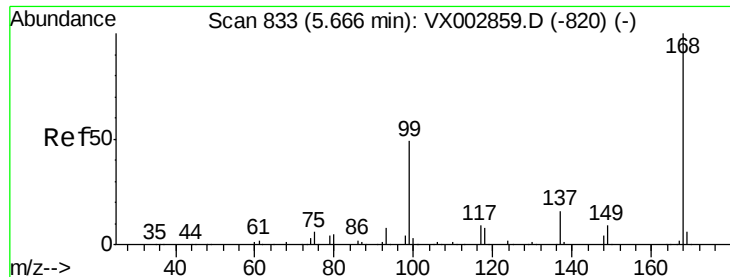
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
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# 833

Delta R.T. 0.00 min

Lab File: VX003221.D

Acq: 06 Jul 2018 19:20

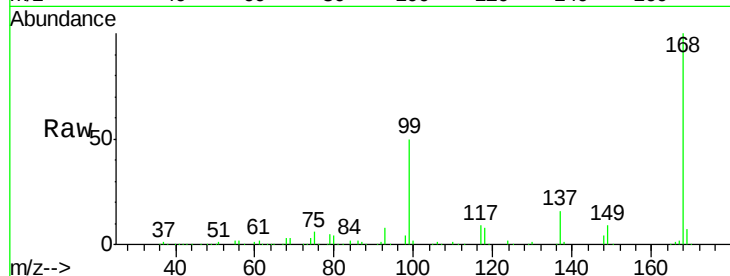
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 284203

Ion Ratio Lower Upper

168 100

99 49.4 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

120000

100000

80000

60000

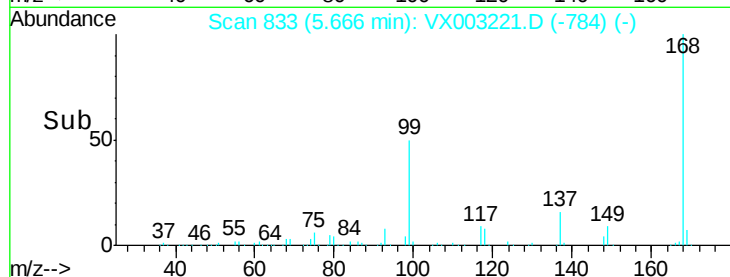
40000

20000

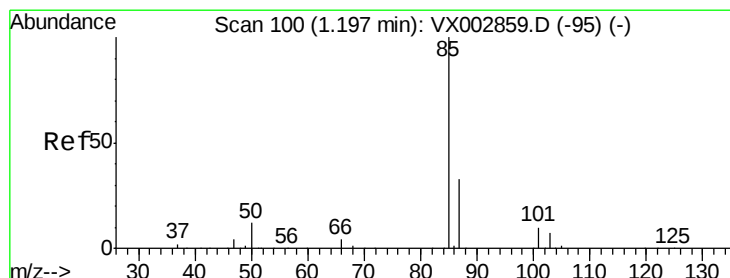
0

5.67

5.50 5.60 5.70 5.80



Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003221.D

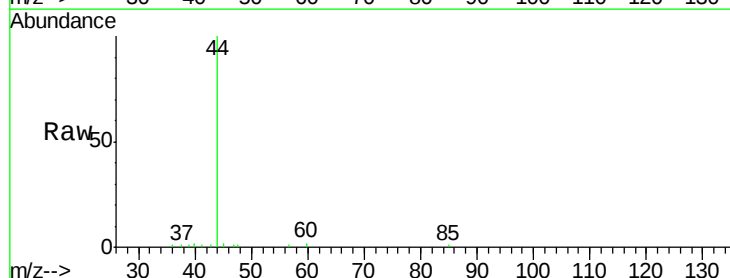
Acq: 06 Jul 2018 19:20

Tgt Ion: 85 Resp: 120

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

150

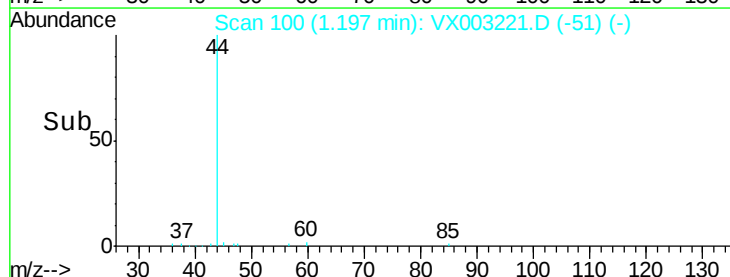
100

50

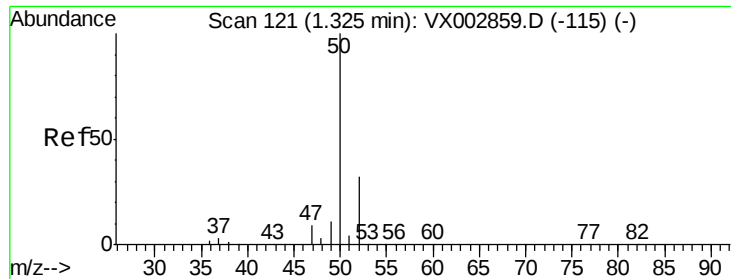
0

1.20

1.16 1.18 1.20 1.22



Time-->



#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003221.D

Acq: 06 Jul 2018 19:20

Instrument :

MSVOA_X

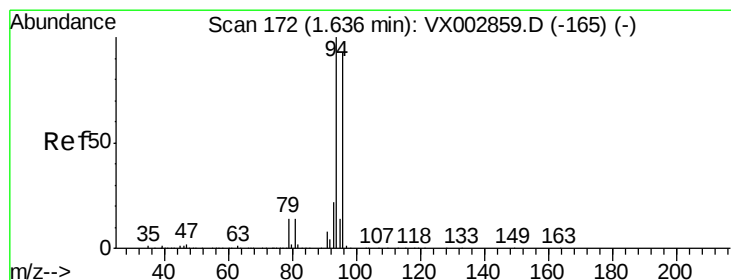
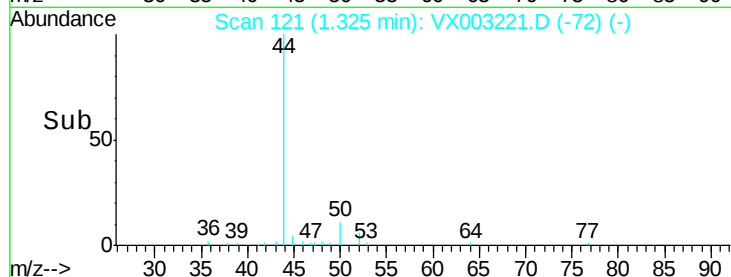
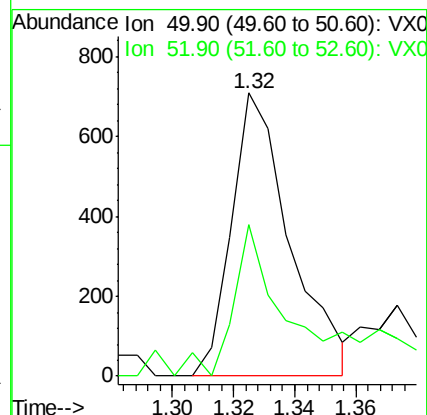
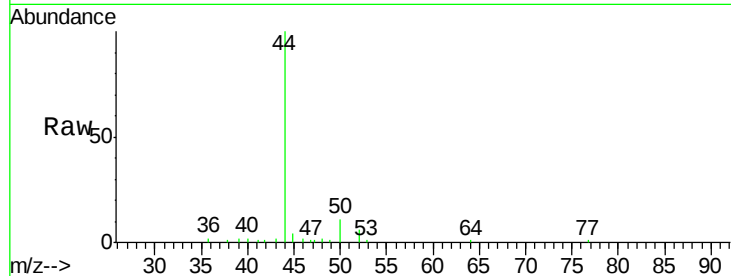
ClientSampleId :

Tot Ion: 50 Resp: 942

Ion Ratio Lower Upper

50 100

52 45.6 25.7 38.5#



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX003221.D

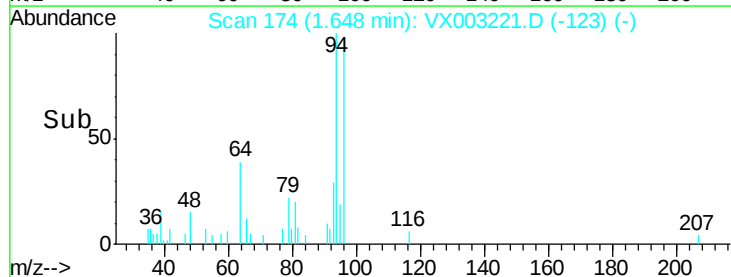
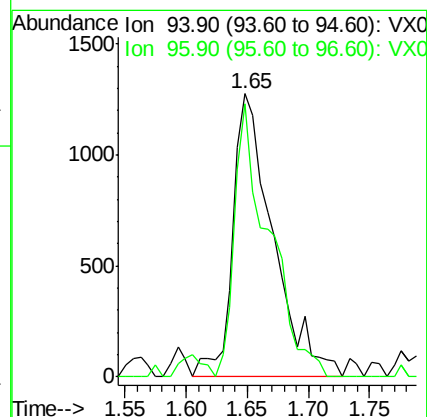
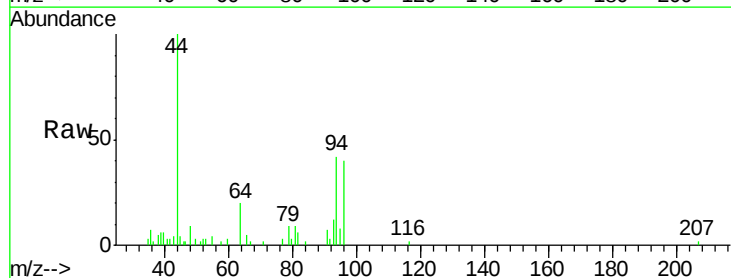
Acq: 06 Jul 2018 19:20

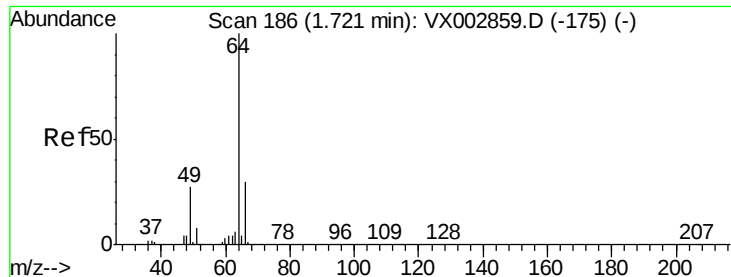
Tgt Ion: 94 Resp: 2911

Ion Ratio Lower Upper

94 100

96 96.6 74.9 112.3





#6

Chloroethane

Concen: Below Cal

RT: 1.72 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX003221.D

Acq: 06 Jul 2018 19:20

Instrument :

MSVOA_X

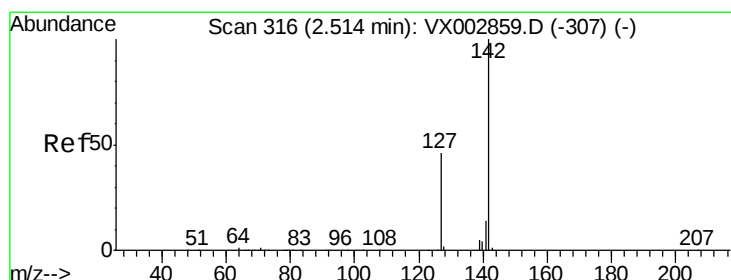
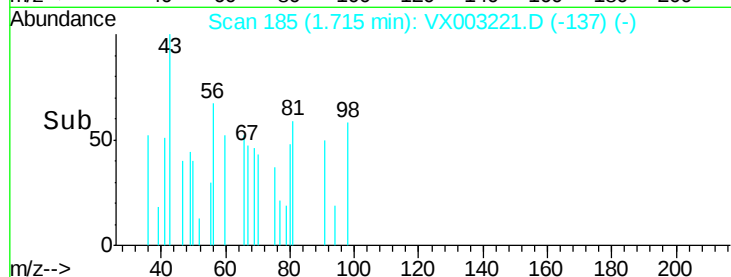
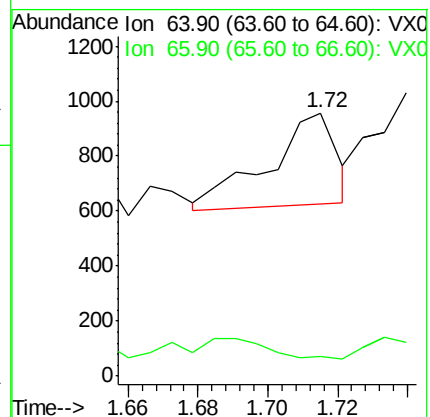
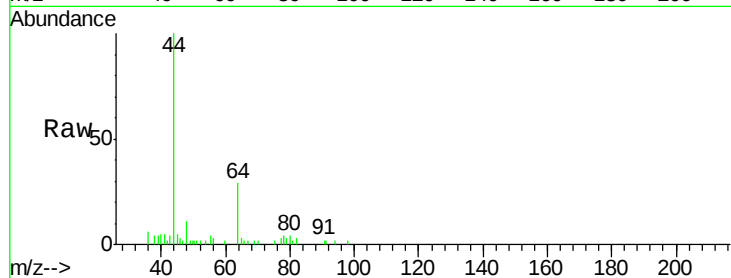
ClientSampleId :

Tot Ion: 64 Resp: 455

Ion Ratio Lower Upper

64 100

66 1.8 25.5 38.3#



#10

Methyl Iodide

Concen: 7.40 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX003221.D

Acq: 06 Jul 2018 19:20

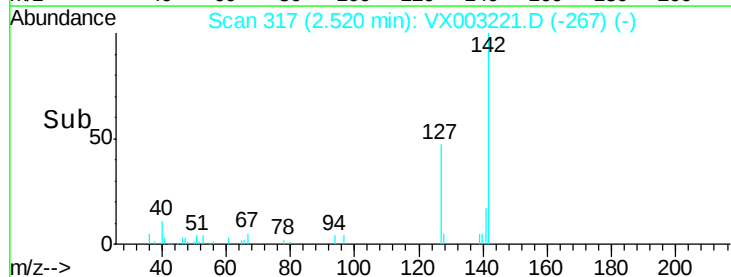
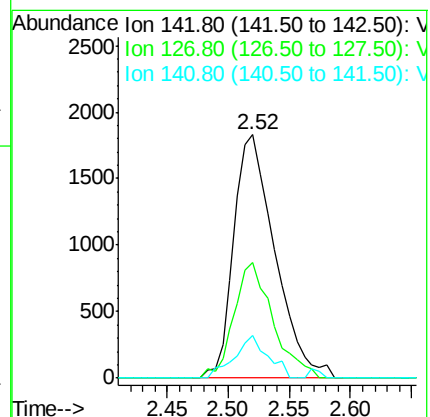
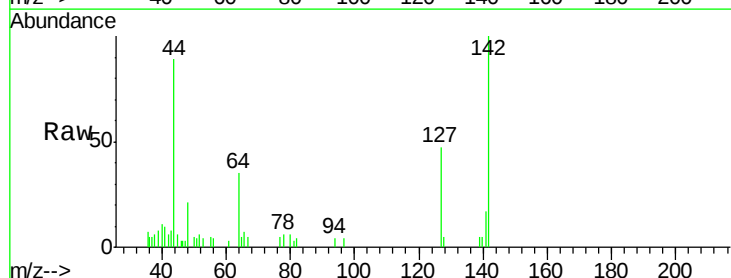
Tgt Ion: 142 Resp: 4272

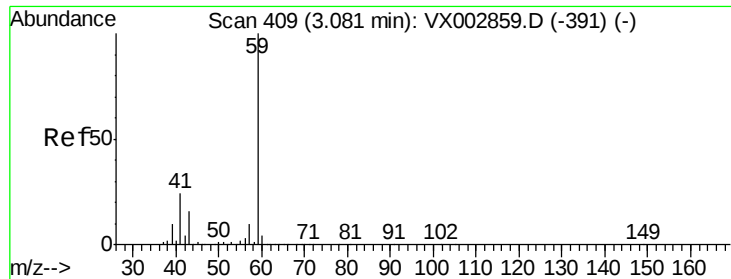
Ion Ratio Lower Upper

142 100

127 45.2 36.6 55.0

141 14.2 11.3 16.9



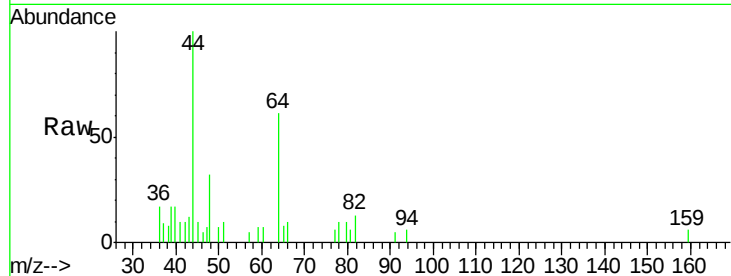


#11

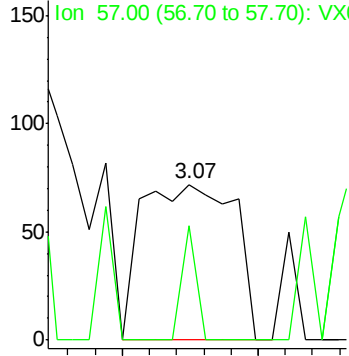
Tert butyl alcohol
 Concen: 0.22 ug/l
 RT: 3.07 min Scan# 408
 Delta R.T. -0.01 min
 Lab File: VX003221.D
 Acq: 06 Jul 2018 19:20

Instrument :
 MSVOA_X
 ClientSampled :

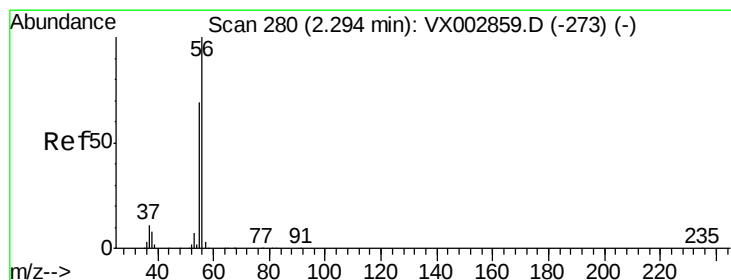
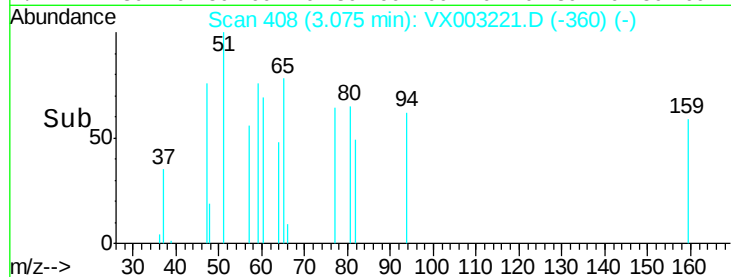
Tot Ion: 59 Resp: 170
 Ion Ratio Lower Upper
 59 100
 57 11.2 8.2 12.2



Abundance Ion 59.00 (58.70 to 59.70): VX0
 Ion 57.00 (56.70 to 57.70): VX0



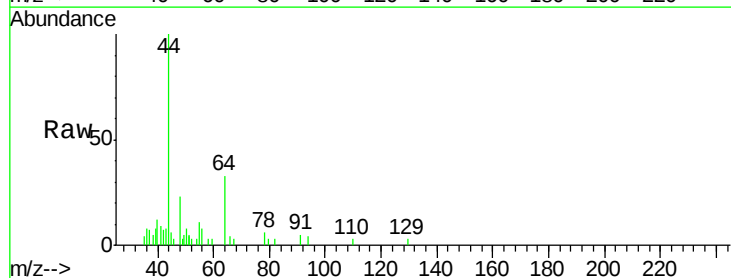
Time-->



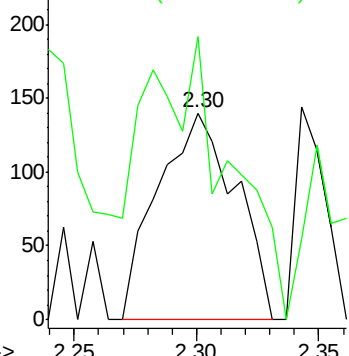
#13

Acrolein
 Concen: 4.94 ug/l
 RT: 2.30 min Scan# 281
 Delta R.T. 0.01 min
 Lab File: VX003221.D
 Acq: 06 Jul 2018 19:20

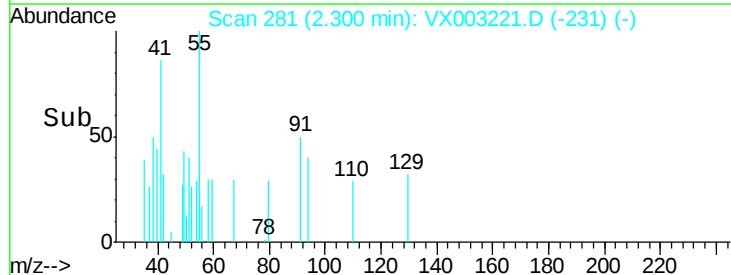
Tgt Ion: 56 Resp: 312
 Ion Ratio Lower Upper
 56 100
 55 143.9 57.0 85.4#

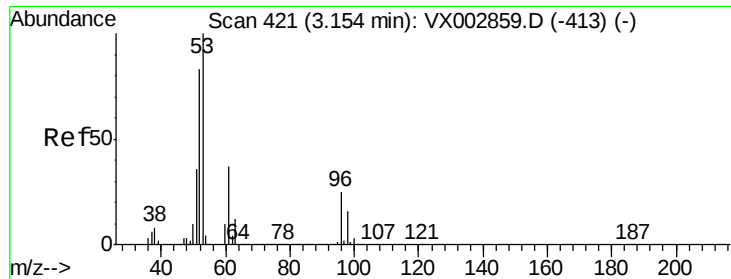


Abundance Ion 56.00 (55.70 to 56.70): VX0
 Ion 55.00 (54.70 to 55.70): VX0



Time-->

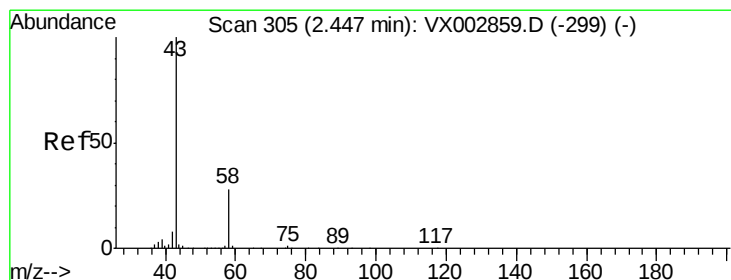
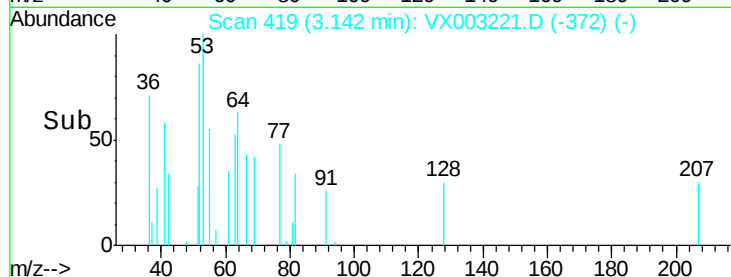
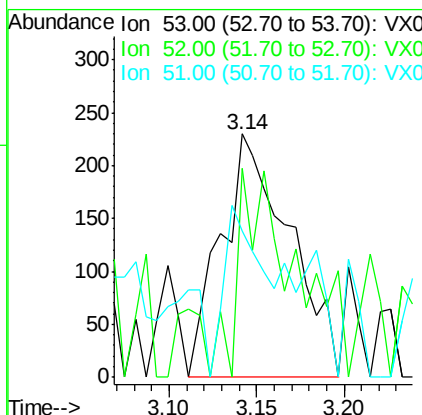
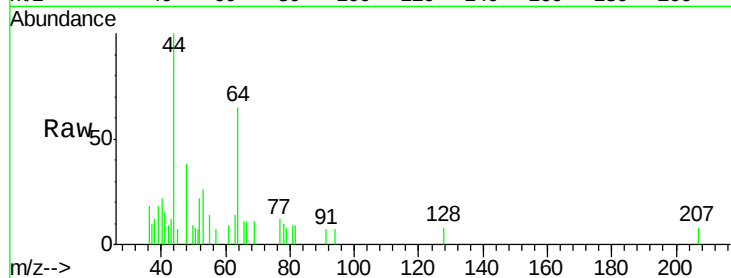




#15
 Acrylonitrile
 Concen: 0.38 ug/l
 RT: 3.14 min Scan# 419
 Delta R.T. -0.01 min
 Lab File: VX003221.D
 Acq: 06 Jul 2018 19:20

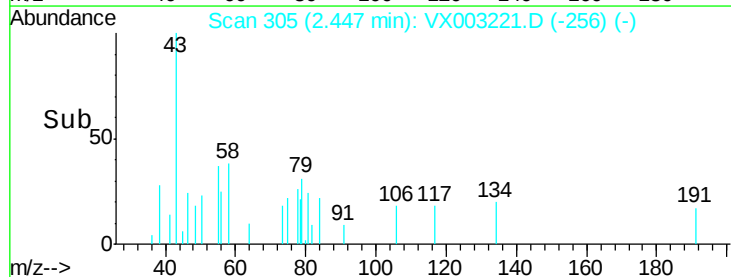
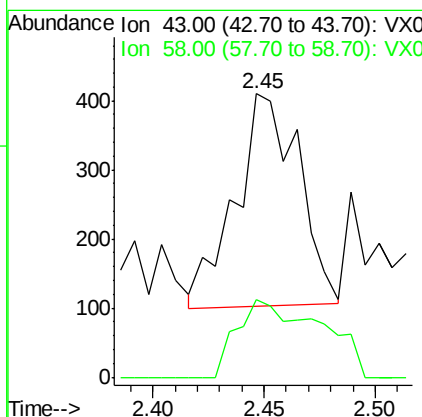
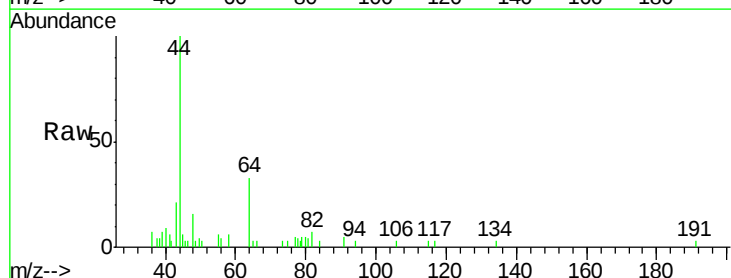
Instrument :
 MSVOA_X
 ClientSampled :

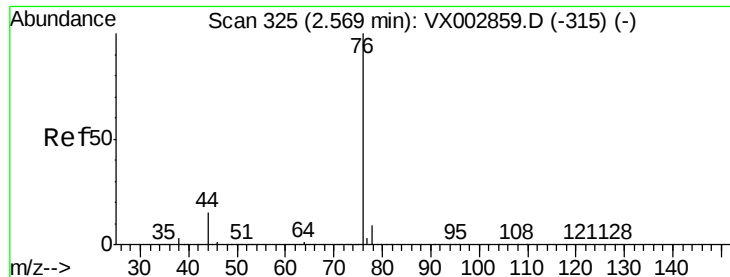
Tot Ion: 53 Resp: 628
 Ion Ratio Lower Upper
 53 100
 52 72.3 66.7 100.1
 51 38.9 29.9 44.9



#16
 Acetone
 Concen: 0.37 ug/l
 RT: 2.45 min Scan# 305
 Delta R.T. 0.00 min
 Lab File: VX003221.D
 Acq: 06 Jul 2018 19:20

Tgt Ion: 43 Resp: 608
 Ion Ratio Lower Upper
 43 100
 58 37.7 22.1 33.1#





#17

Carbon Disulfide

Concen: 0.21 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX003221.D

Acq: 06 Jul 2018 19:20

Instrument :

MSVOA_X

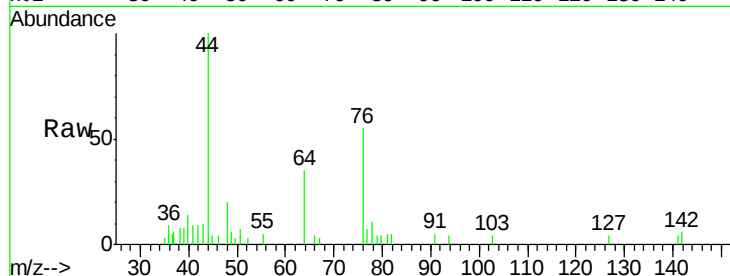
ClientSampled :

Tot Ion: 76 Resp: 1598

Ion Ratio Lower Upper

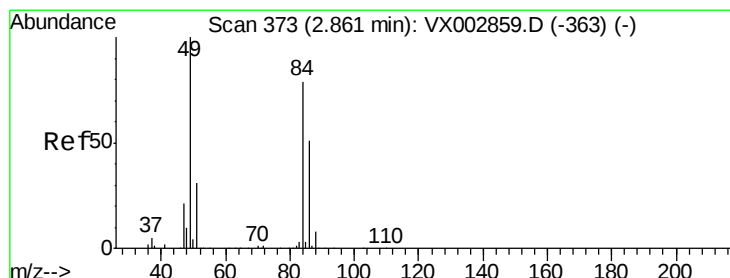
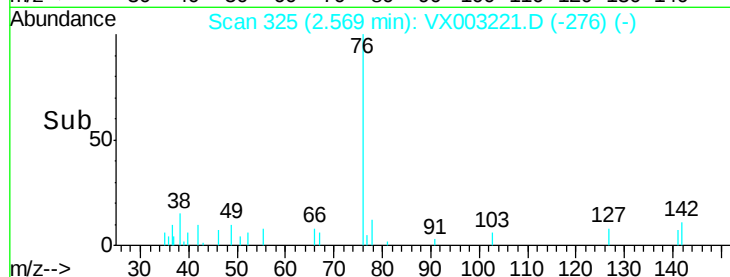
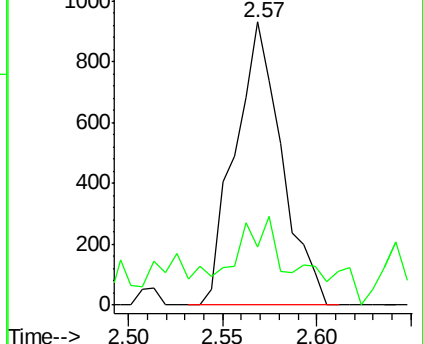
76 100

78 11.5 6.9 10.3#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#20

Methylene Chloride

Concen: 0.25 ug/l

RT: 2.86 min Scan# 373

Delta R.T. 0.00 min

Lab File: VX003221.D

Acq: 06 Jul 2018 19:20

Tgt Ion: 84 Resp: 806

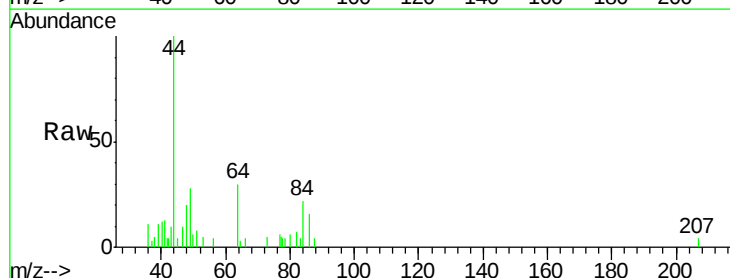
Ion Ratio Lower Upper

84 100

49 126.6 107.8 161.6

51 19.5 32.8 49.2#

86 69.7 52.5 78.7

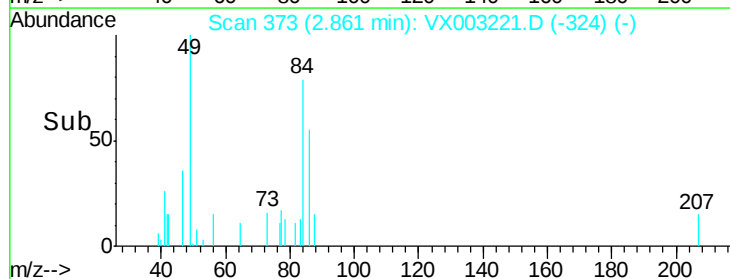
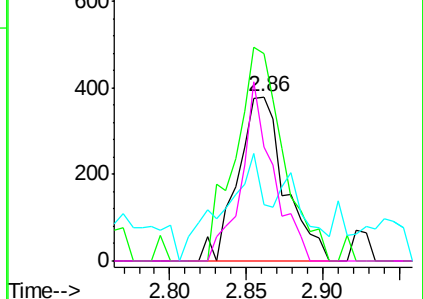


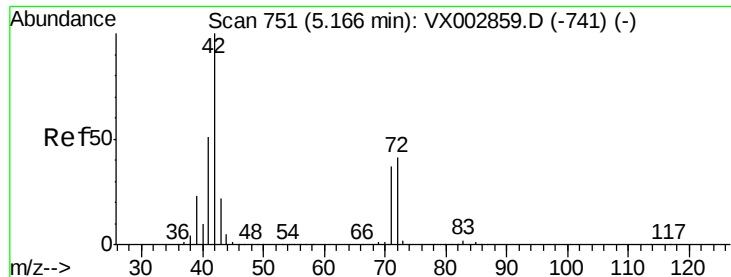
Abundance Ion 83.90 (83.60 to 84.60): VX0

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





#29

Tetrahydrofuran

Concen: 0.50 ug/l

RT: 5.18 min Scan# 753

Delta R.T. 0.01 min

Lab File: VX003221.D

Acq: 06 Jul 2018 19:20

Instrument :

MSVOA_X

ClientSampled :

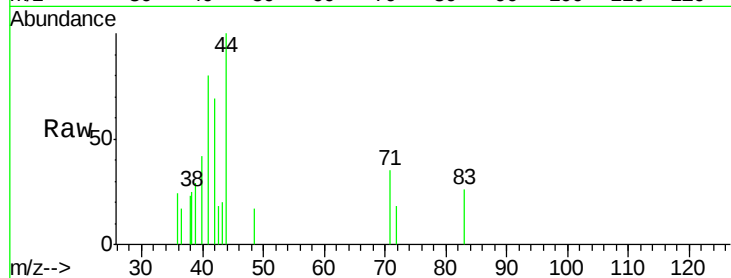
Tot Ion: 42 Resp: 773

Ion Ratio Lower Upper

42 100

72 20.1 32.0 48.0#

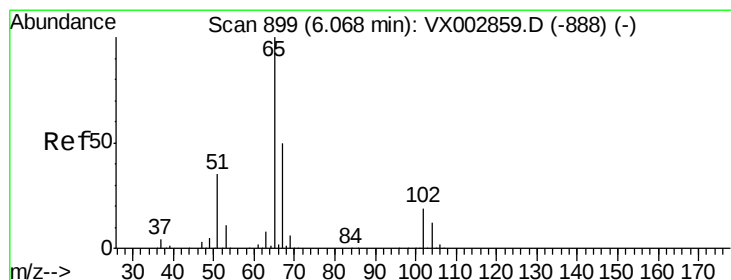
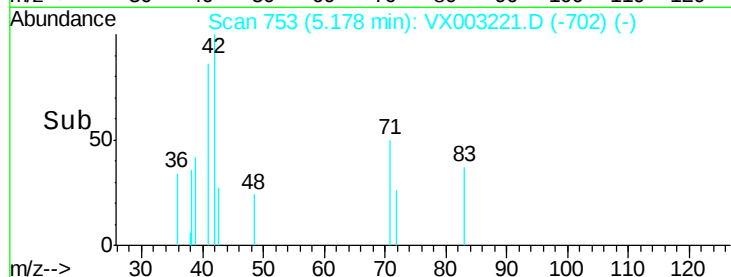
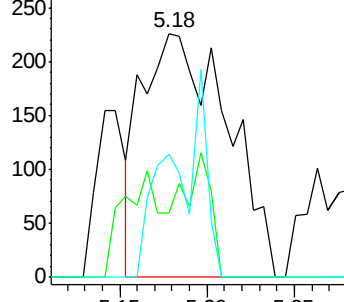
71 21.1 30.1 45.1#



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 45.71 ug/l

RT: 6.07 min Scan# 899

Delta R.T. 0.00 min

Lab File: VX003221.D

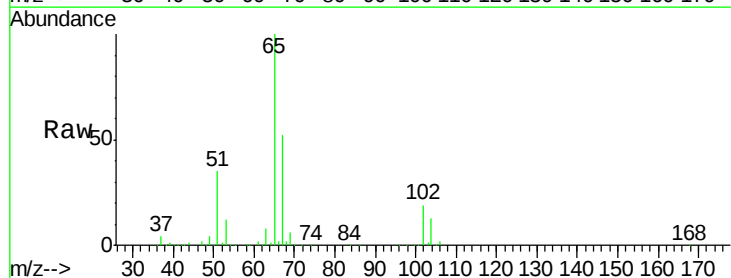
Acq: 06 Jul 2018 19:20

Tgt Ion: 65 Resp: 179570

Ion Ratio Lower Upper

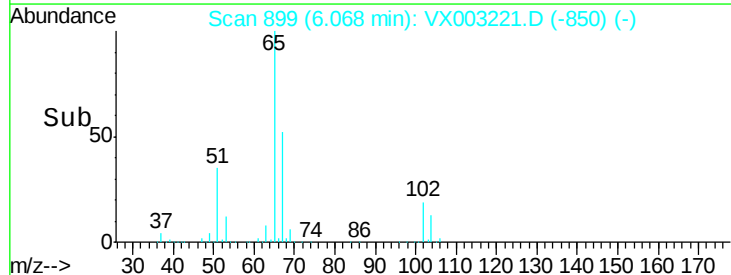
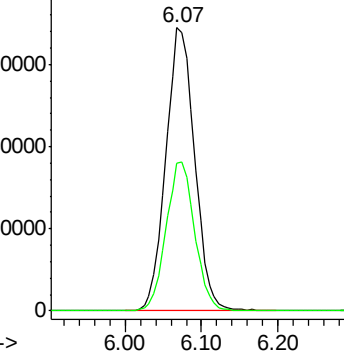
65 100

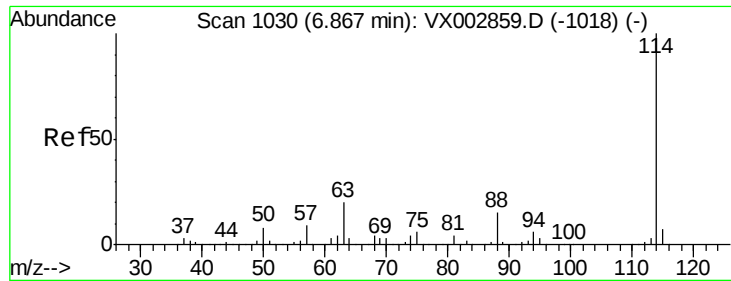
67 52.2 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

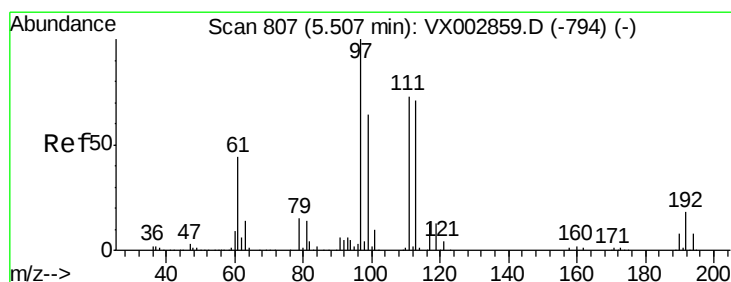
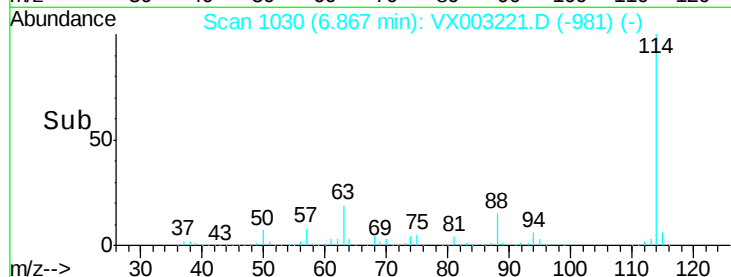
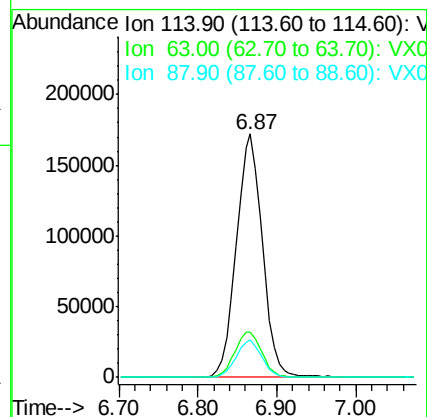
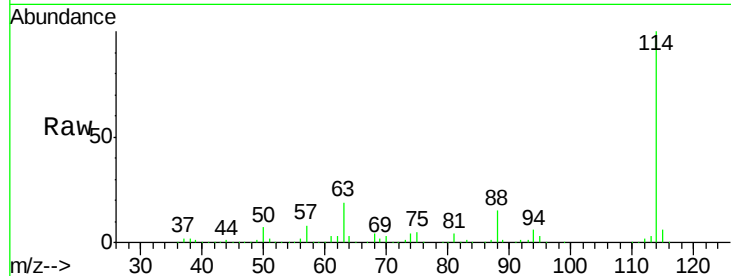




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX003221.D
 Acq: 06 Jul 2018 19:20

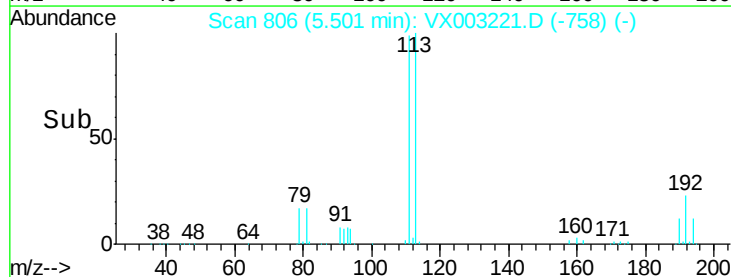
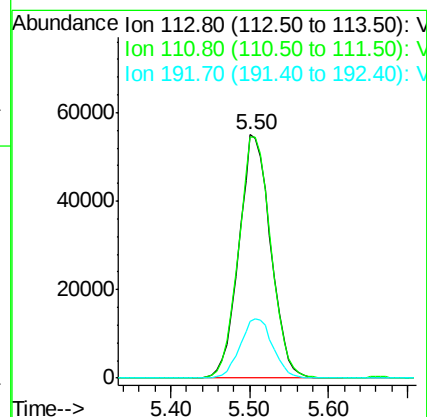
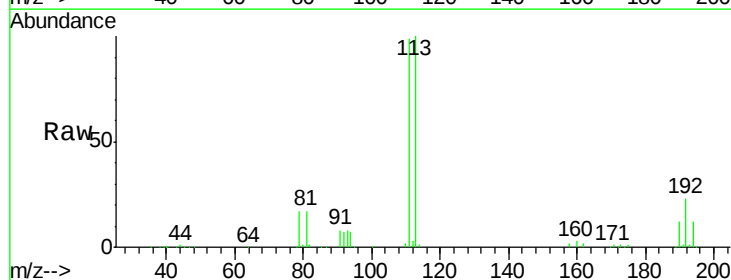
Instrument :
 MSVOA_X
 ClientSampleId :

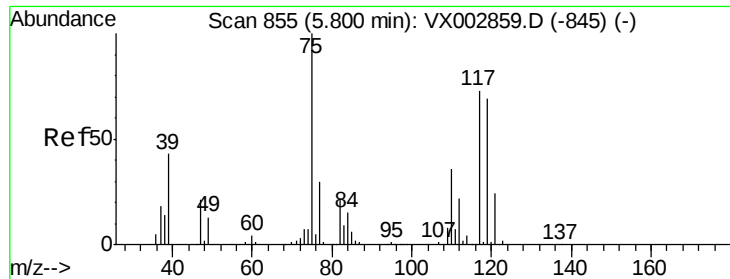
Tot Ion:114 Resp: 395143
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 41.4
 88 15.3 0.0 30.0



#35
 Dibromofluoromethane
 Concen: 49.13 ug/l
 RT: 5.50 min Scan# 806
 Delta R.T. -0.01 min
 Lab File: VX003221.D
 Acq: 06 Jul 2018 19:20

Tgt Ion:113 Resp: 153745
 Ion Ratio Lower Upper
 113 100
 111 101.2 81.4 122.0
 192 25.1 19.1 28.7

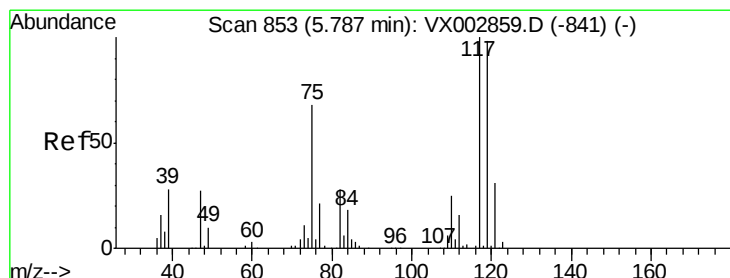
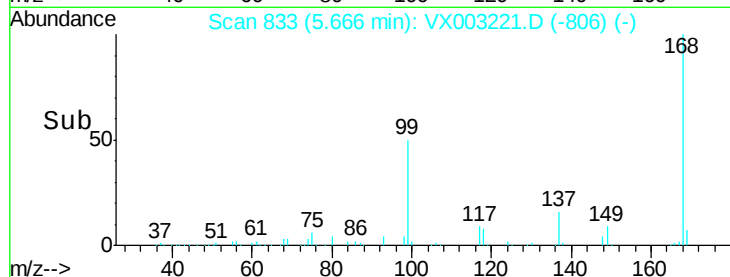
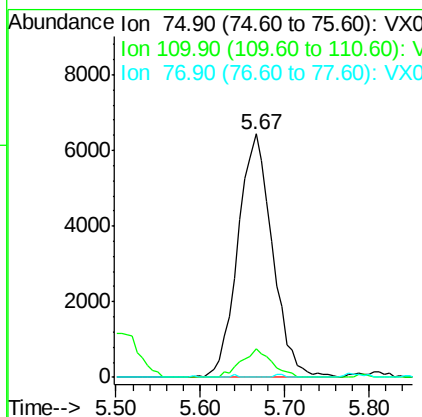
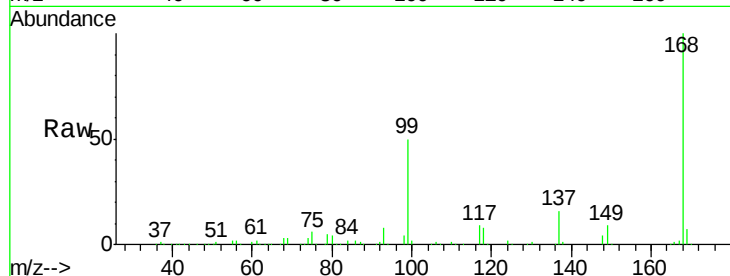




#36
 1,1-Dichloropropene
 Concen: 4.12 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.13 min
 Lab File: VX003221.D
 Acq: 06 Jul 2018 19:20

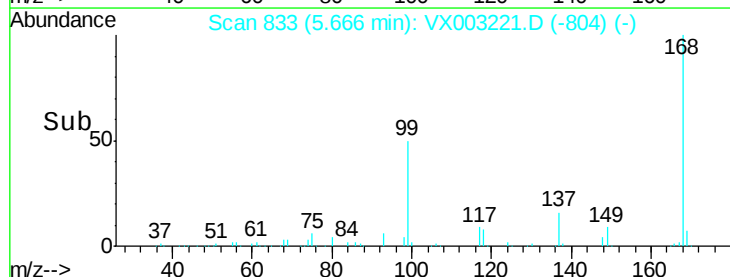
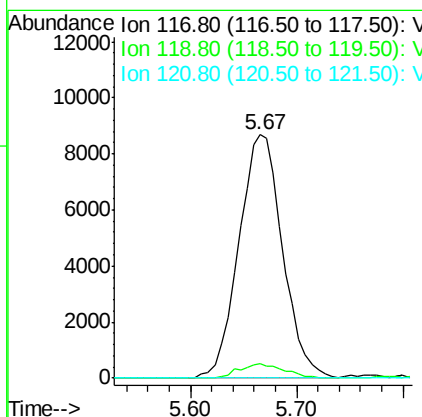
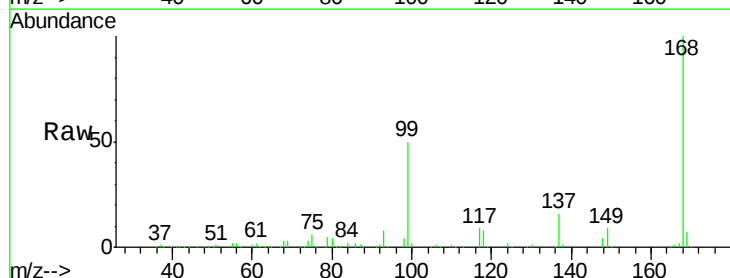
Instrument :
 MSVOA_X
 ClientSampleId :

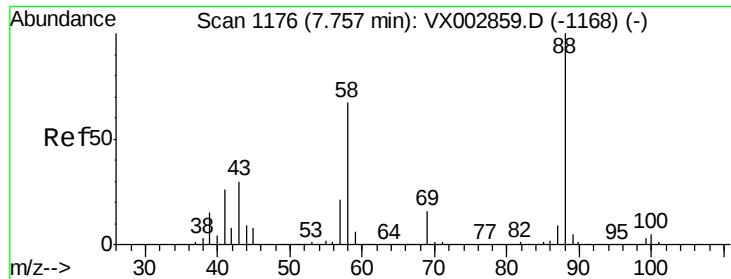
Tot Ion: 75 Resp: 17834
 Ion Ratio Lower Upper
 75 100
 110 10.3 18.1 54.4#
 77 0.0 24.3 36.5#



#38
 Carbon Tetrachloride
 Concen: 5.24 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.12 min
 Lab File: VX003221.D
 Acq: 06 Jul 2018 19:20

Tgt Ion: 117 Resp: 24923
 Ion Ratio Lower Upper
 117 100
 119 5.7 77.4 116.0#
 121 0.0 24.4 36.6#

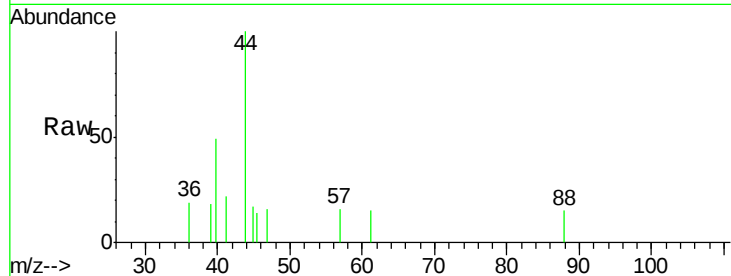




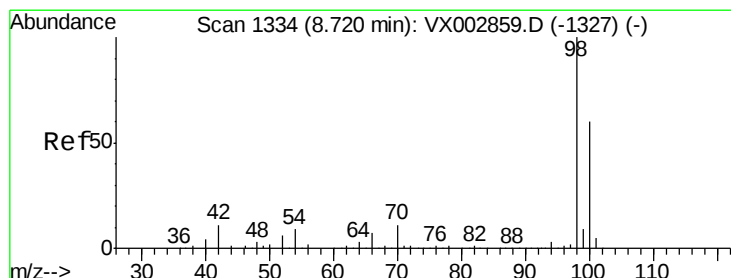
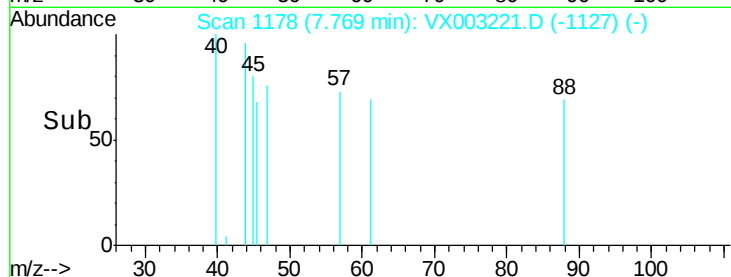
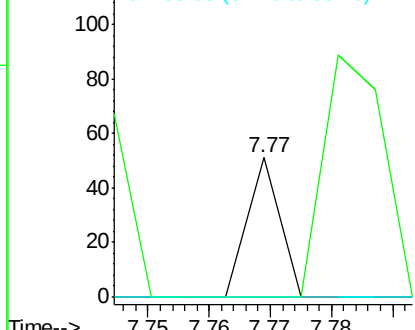
#49
1,4-Dioxane
Concen: 0.24 ug/l
RT: 7.77 min Scan# 1178
Delta R.T. 0.01 min
Lab File: VX003221.D
Acq: 06 Jul 2018 19:20

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 88 Resp: 19
Ion Ratio Lower Upper
88 100
43 315.8 29.8 44.6#
58 0.0 57.1 85.7#

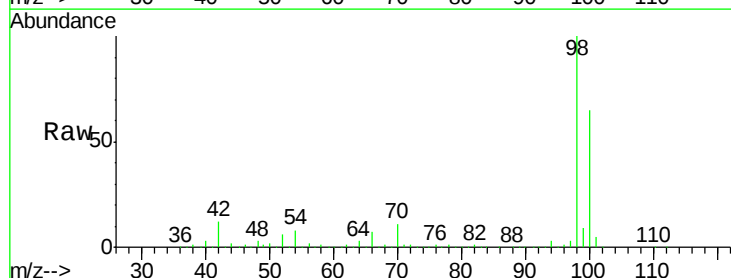


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

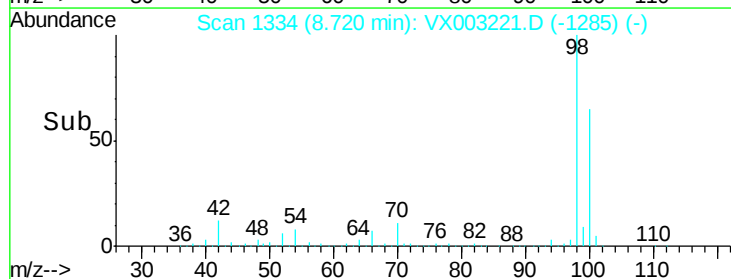
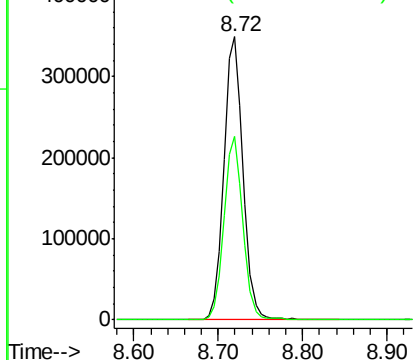


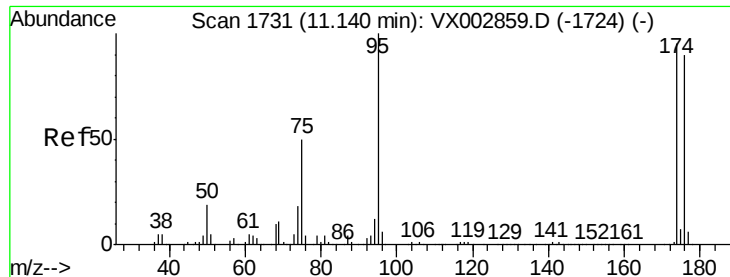
#50
Toluene-d8
Concen: 47.84 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003221.D
Acq: 06 Jul 2018 19:20

Tgt Ion: 98 Resp: 546715
Ion Ratio Lower Upper
98 100
100 64.1 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): VX0

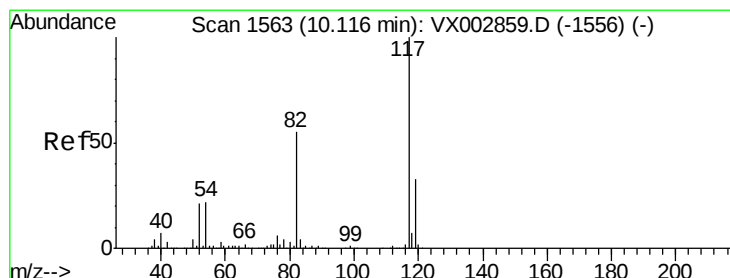
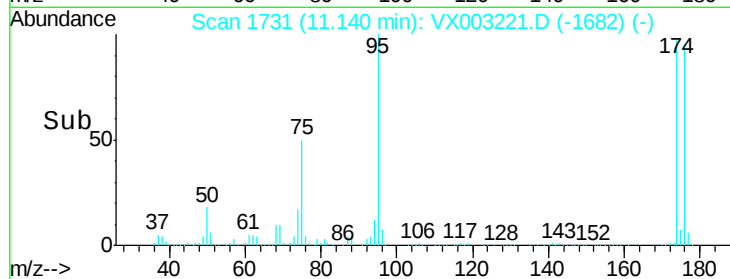
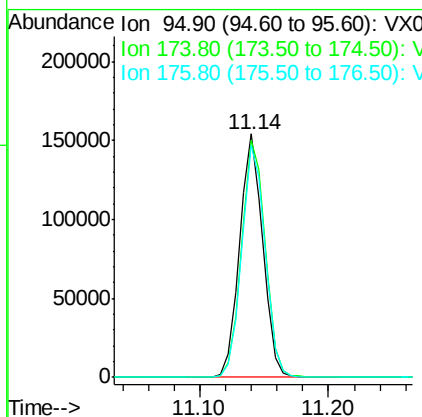
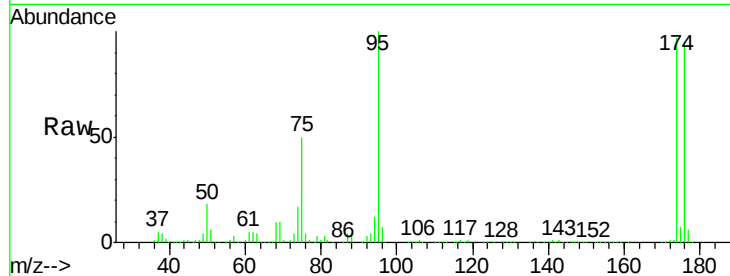




#62
4-Bromofluorobenzene
Concen: 43.35 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX003221.D
Acq: 06 Jul 2018 19:20

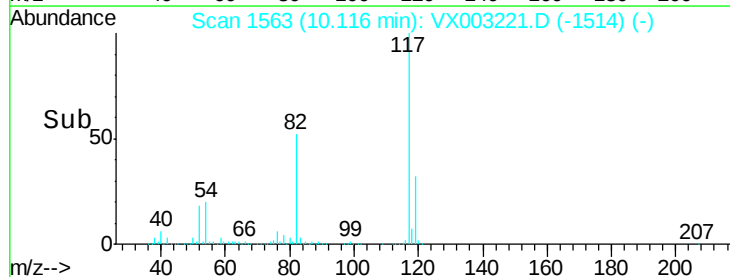
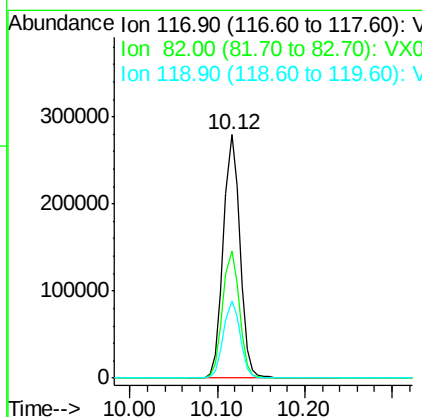
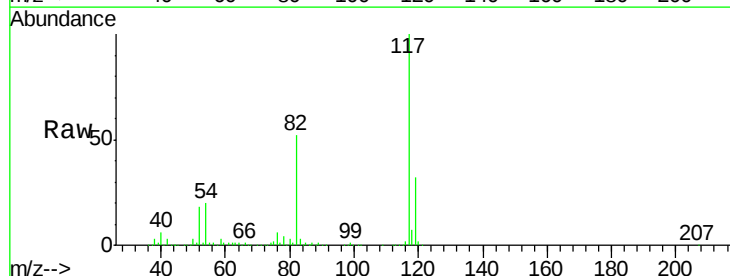
Instrument :
MSVOA_X
ClientSampleId :

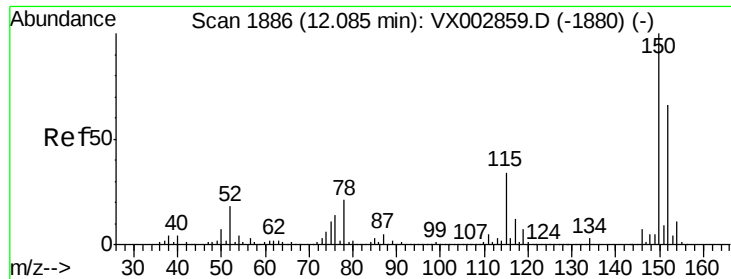
Tot Ion: 95 Resp: 191060
Ion Ratio Lower Upper
95 100
174 99.6 0.0 187.4
176 96.5 0.0 181.0



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003221.D
Acq: 06 Jul 2018 19:20

Tgt Ion: 117 Resp: 366829
Ion Ratio Lower Upper
117 100
82 52.4 45.0 67.4
119 31.5 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VX003221.D

Acq: 06 Jul 2018 19:20

Instrument :

MSVOA_X

ClientSampleId :

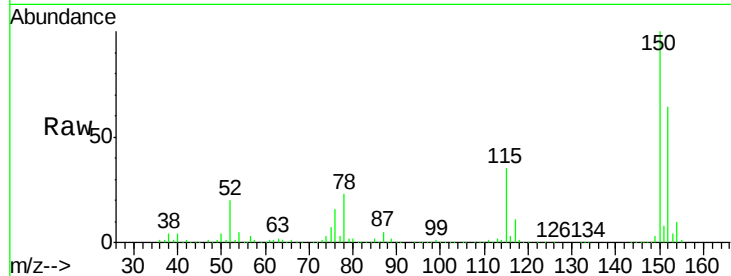
Tot Ion:152 Resp: 204495

Ion Ratio Lower Upper

152 100

115 54.2 40.1 120.2

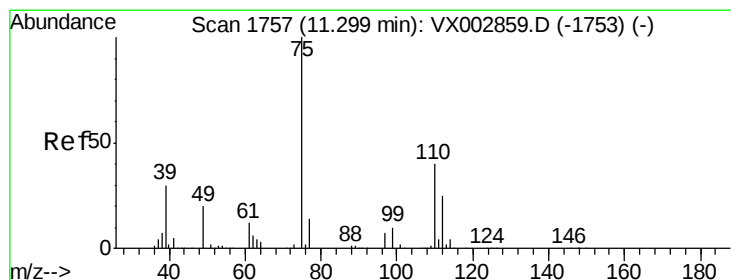
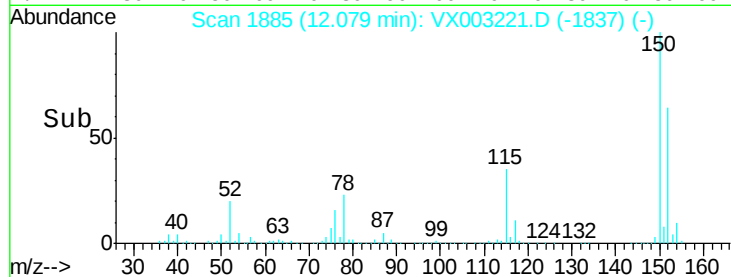
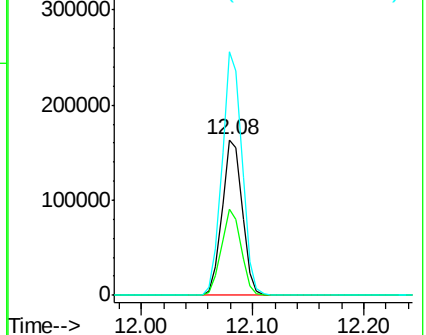
150 155.6 0.0 347.2



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: 26.00 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX003221.D

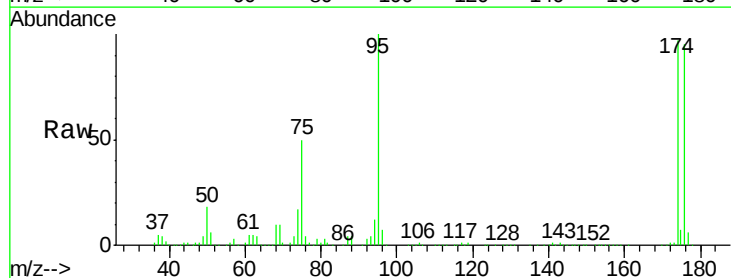
Acq: 06 Jul 2018 19:20

Tgt Ion: 75 Resp: 96302

Ion Ratio Lower Upper

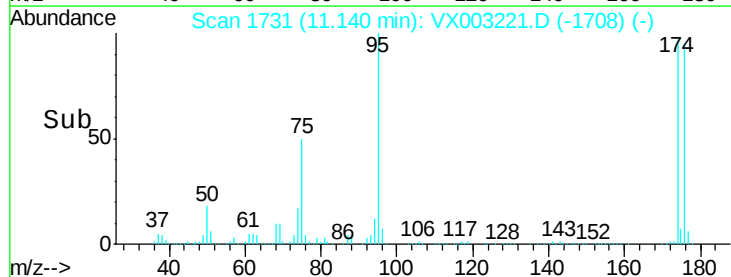
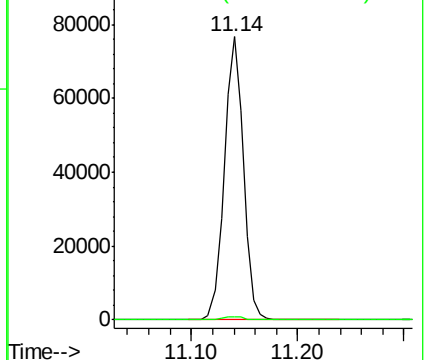
75 100

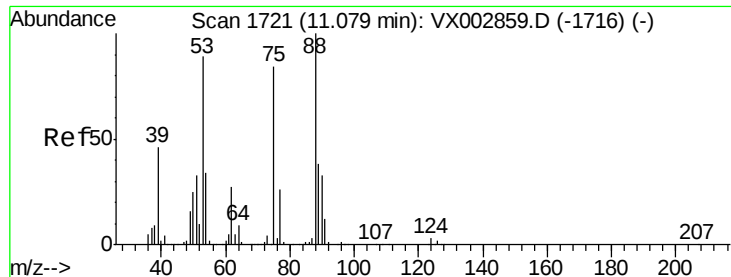
77 1.3 22.8 68.3#



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: 73.72 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX003221.D
 Acq: 06 Jul 2018 19:20

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 75 Resp: 96302
 Ion Ratio Lower Upper
 75 100
 53 0.2 86.8 130.2#
 89 0.0 38.2 57.2#

