

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062918\
 Data File : VX003051.D
 Acq On : 30 Jun 2018 01:36
 Operator : JC/MD
 Sample : J3707-27 10X
 Misc : 6.36g/5mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 30 02:34:46 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	268649	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	376508	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	353998	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	201029	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	179115	48.24	ug/l	0.00
Spiked Amount			Recovery	=	96.48%	
35) Dibromofluoromethane	5.51	113	144886	48.59	ug/l	0.00
Spiked Amount			Recovery	=	97.18%	
50) Toluene-d8	8.72	98	536424	49.27	ug/l	0.00
Spiked Amount			Recovery	=	98.54%	
62) 4-Bromofluorobenzene	11.14	95	188813	44.97	ug/l	0.00
Spiked Amount			Recovery	=	89.94%	

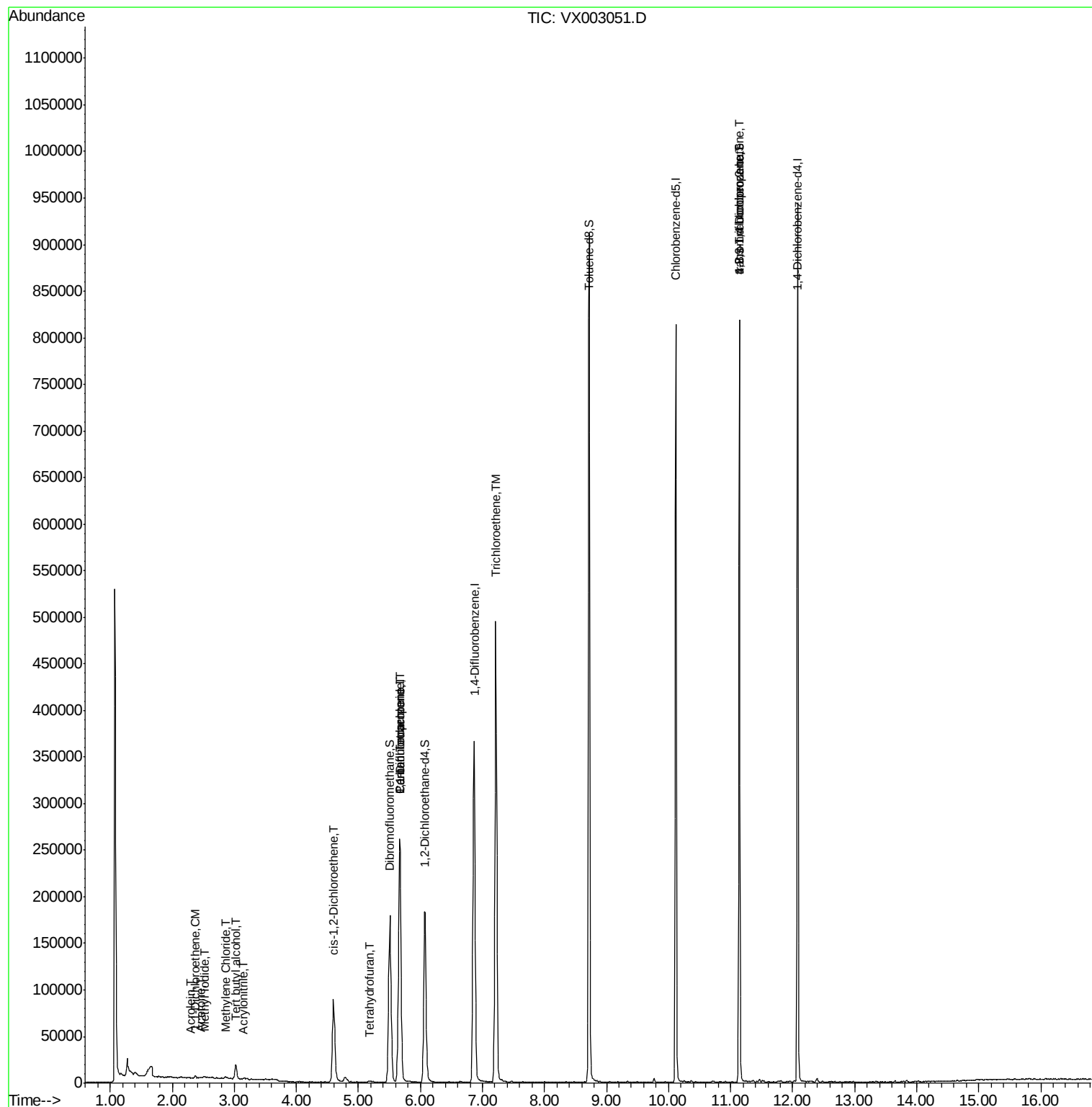
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	201	Below Cal	#	58
3) Chloromethane	1.32	50	537	Below Cal		89
5) Bromomethane	1.64	94	1752	Below Cal		82
6) Chloroethane	1.71	64	112	Below Cal	#	43
10) Methyl Iodide	2.52	142	2620	6.99	ug/l	97
11) Tert butyl alcohol	3.03	59	9120	12.33	ug/l	# 78
12) 1,1-Dichloroethene	2.37	96	727	0.27	ug/l	# 79
13) Acrolein	2.30	56	41	4.33	ug/l	# 1
15) Acrylonitrile	3.15	53	497	0.31	ug/l	# 78
16) Acetone	2.45	43	618	0.40	ug/l	# 85
20) Methylene Chloride	2.85	84	630	0.21	ug/l	# 81
27) cis-1,2-Dichloroethene	4.60	96	56606	17.50	ug/l	90
29) Tetrahydrofuran	5.18	42	1072	0.73	ug/l	# 87
36) 1,1-Dichloropropene	5.67	75	17548	4.25	ug/l	# 50
38) Carbon Tetrachloride	5.67	117	24144	5.33	ug/l	# 16
44) Trichloroethene	7.21	130	195253	54.59	ug/l	99
76) 1,2,3-Trichloropropane	11.14	75	97809	26.86	ug/l	# 33
81) trans-1,4-Dichloro-2-buten	11.14	75	97809	76.06	ug/l	# 7

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

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QLast Update : Mon Jun 25 14:38:05 2018
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.00 min

Lab File: VX003051.D

Acq: 30 Jun 2018 01:36

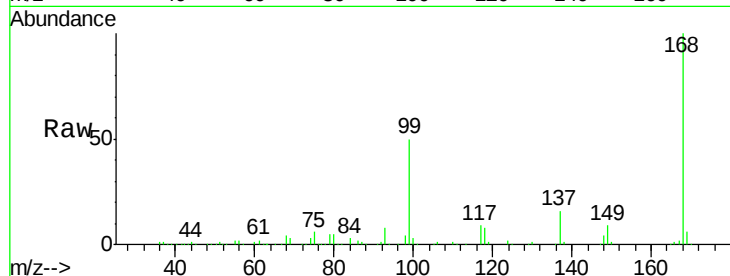
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 268649

Ion Ratio Lower Upper

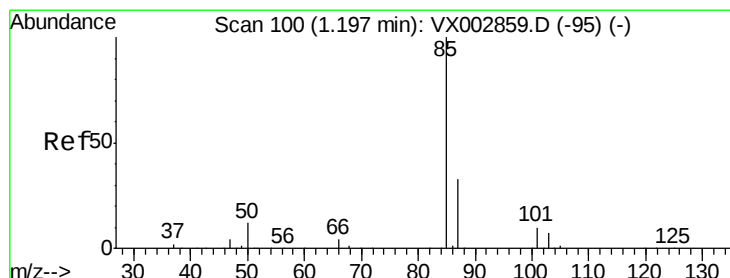
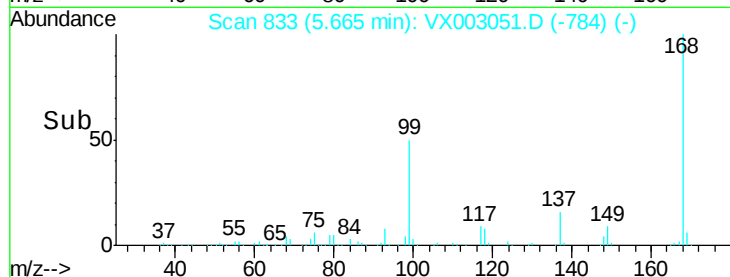
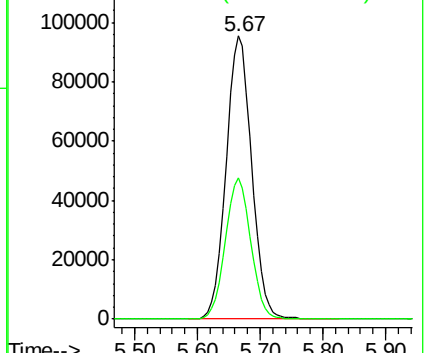
168 100

99 49.8 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003051.D

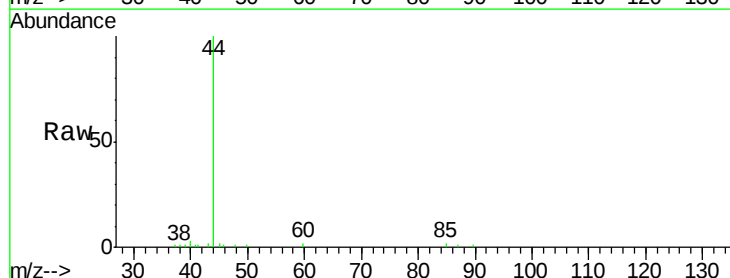
Acq: 30 Jun 2018 01:36

Tgt Ion: 85 Resp: 201

Ion Ratio Lower Upper

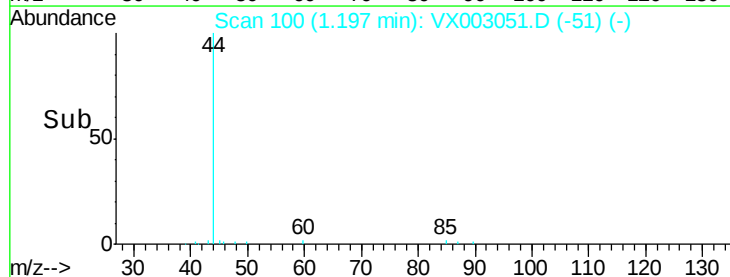
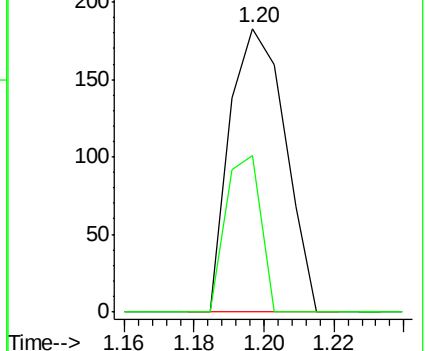
85 100

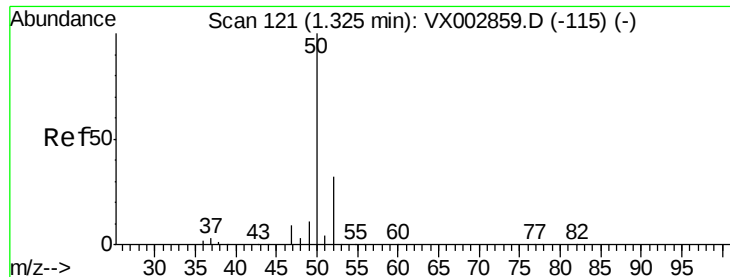
87 55.2 16.0 47.9#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003051.D

Acq: 30 Jun 2018 01:36

Instrument :

MSVOA_X

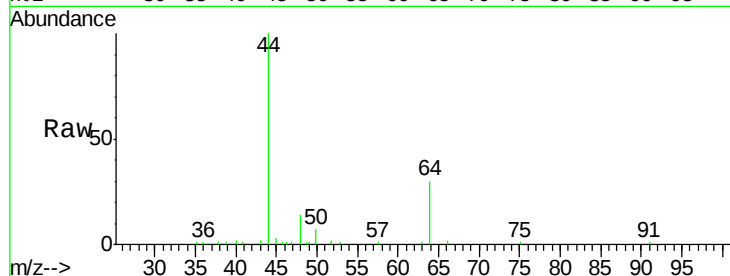
ClientSampleId :

Tot Ion: 50 Resp: 537

Ion Ratio Lower Upper

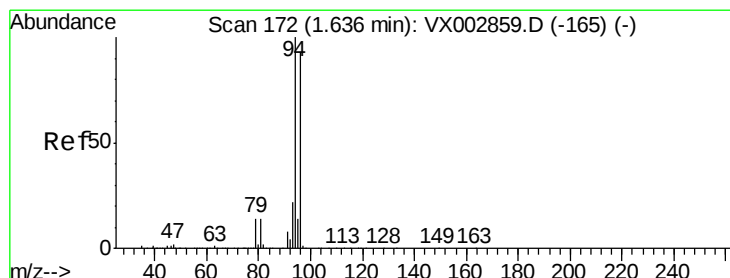
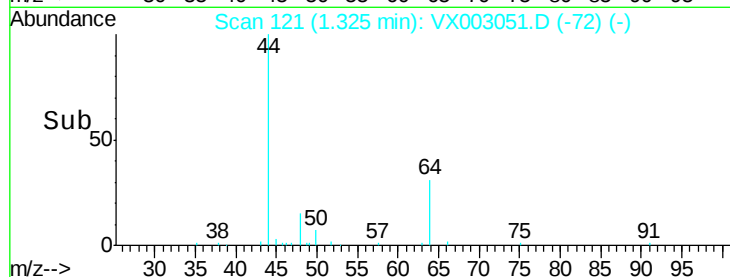
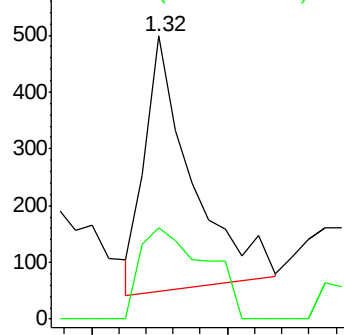
50 100

52 38.3 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003051.D

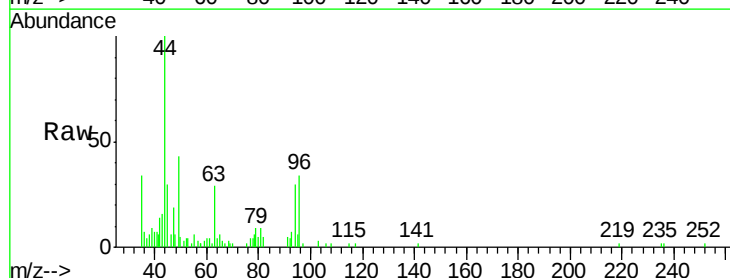
Acq: 30 Jun 2018 01:36

Tgt Ion: 94 Resp: 1752

Ion Ratio Lower Upper

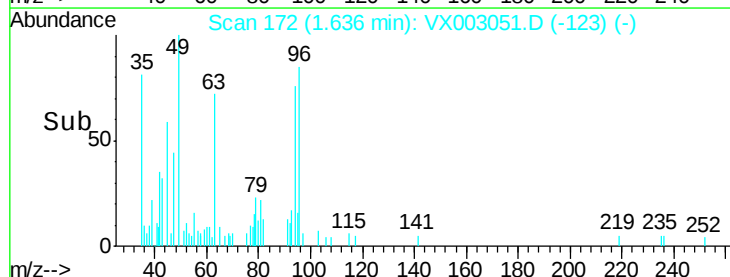
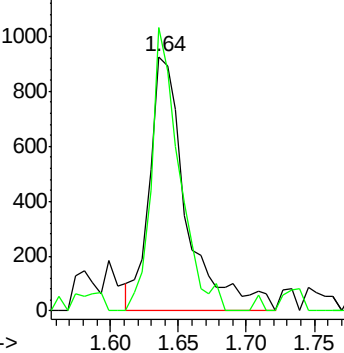
94 100

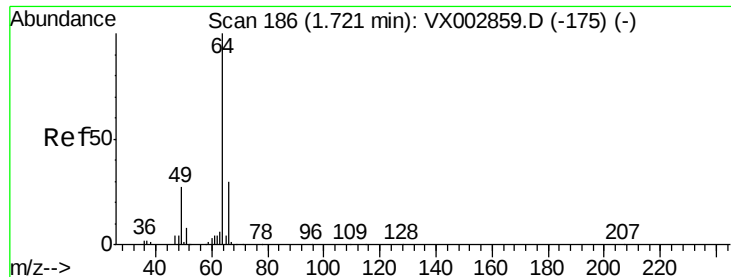
96 111.3 74.9 112.3



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: VX003051.D

Acq: 30 Jun 2018 01:36

Instrument :

MSVOA_X

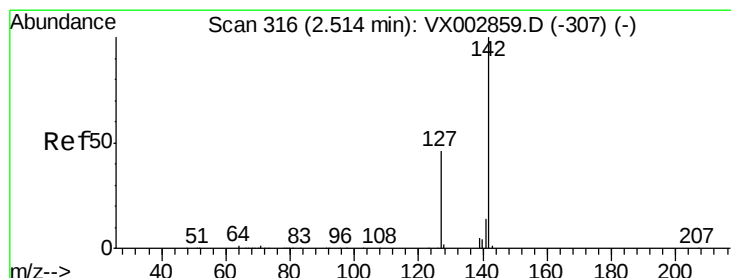
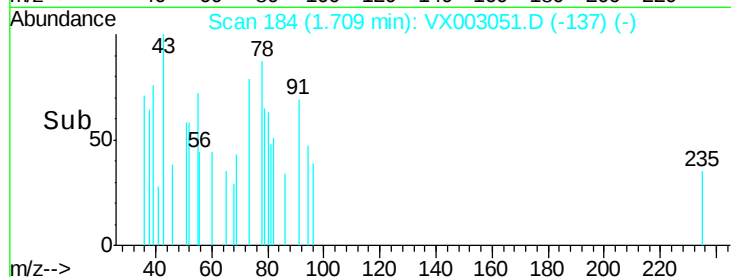
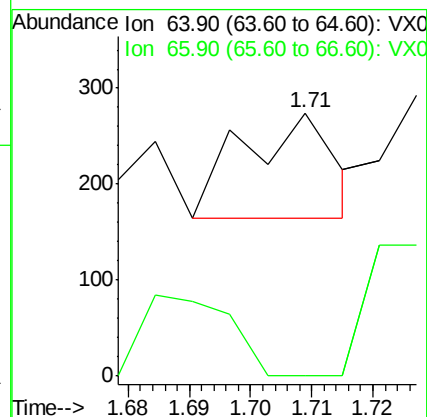
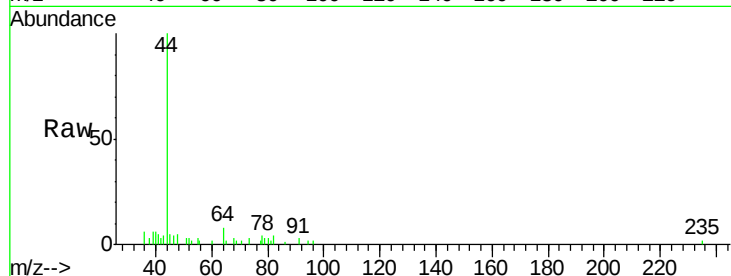
ClientSampled :

Tot Ion: 64 Resp: 112

Ion Ratio Lower Upper

64 100

66 0.0 25.5 38.3#



#10

Methyl Iodide

Concen: 6.99 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX003051.D

Acq: 30 Jun 2018 01:36

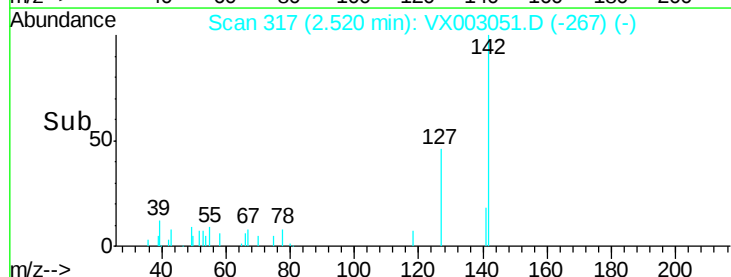
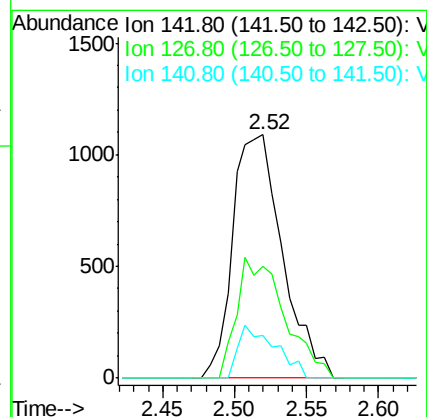
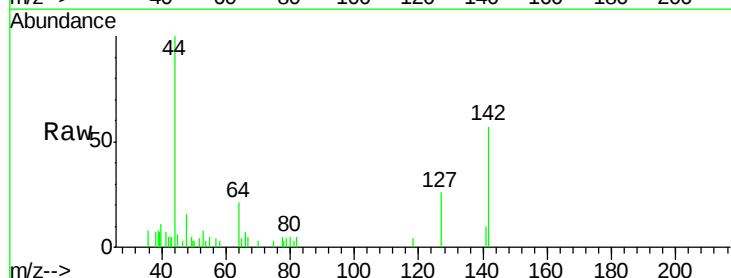
Tgt Ion: 142 Resp: 2620

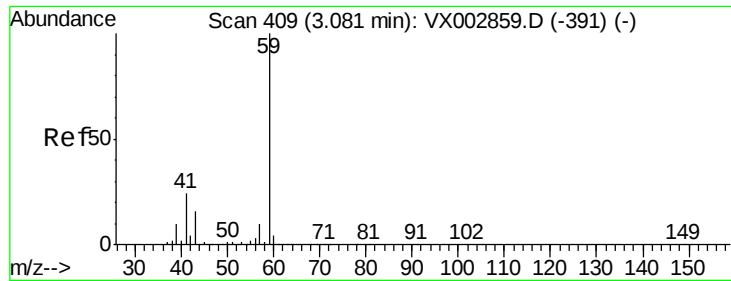
Ion Ratio Lower Upper

142 100

127 47.4 36.6 55.0

141 16.2 11.3 16.9

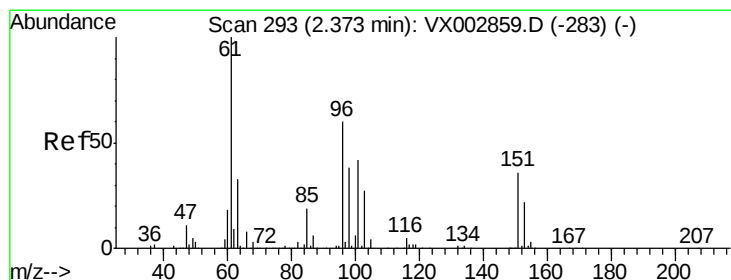
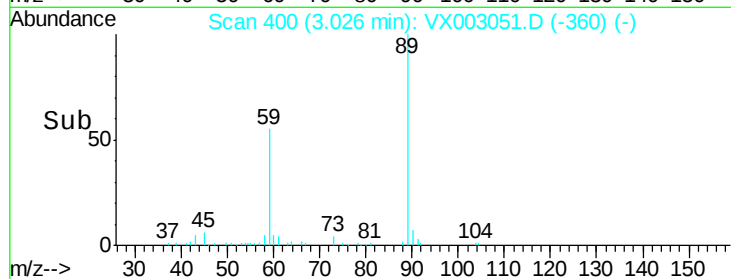
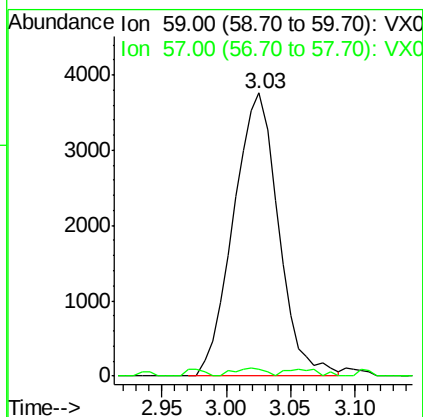
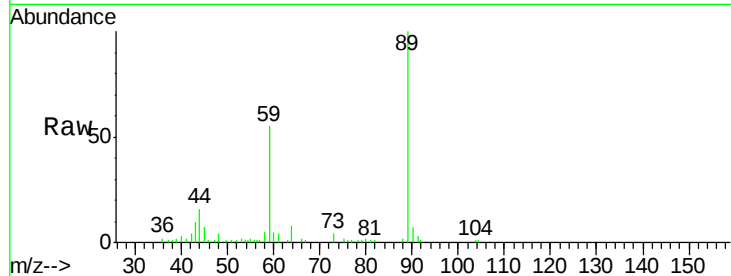




#11
Tert butyl alcohol
Concen: 12.33 ug/l
RT: 3.03 min Scan# 400
Delta R.T. -0.05 min
Lab File: VX003051.D
Acq: 30 Jun 2018 01:36

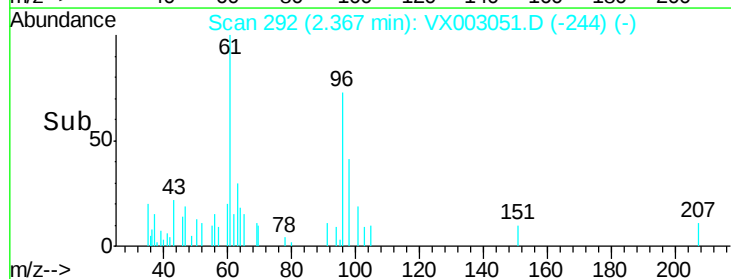
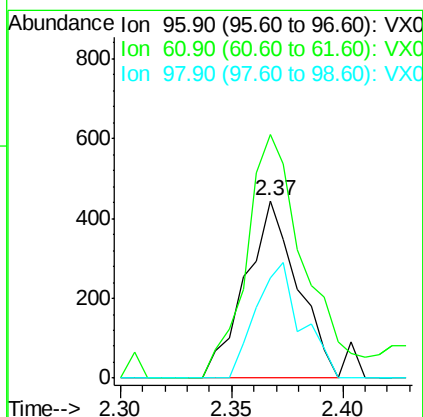
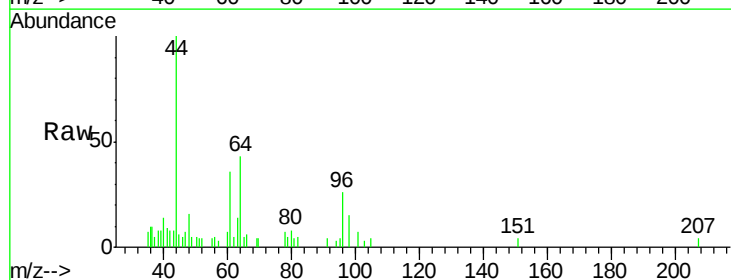
Instrument :
MSVOA_X
ClientSampleId :

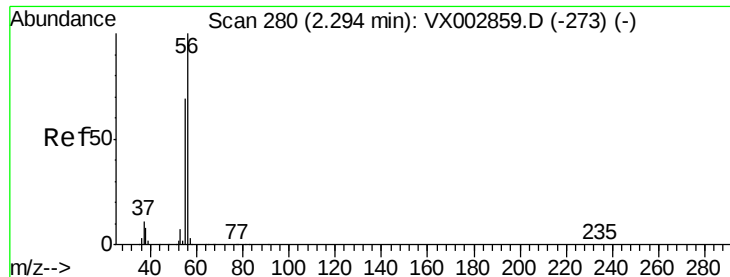
Tot Ion: 59 Resp: 9120
Ion Ratio Lower Upper
59 100
57 1.9 8.2 12.2#



#12
1,1-Dichloroethene
Concen: 0.27 ug/l
RT: 2.37 min Scan# 292
Delta R.T. -0.01 min
Lab File: VX003051.D
Acq: 30 Jun 2018 01:36

Tgt Ion: 96 Resp: 727
Ion Ratio Lower Upper
96 100
61 137.4 137.9 206.9#
98 56.3 51.6 77.4





#13

Acrolein

Concen: 4.33 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.01 min

Lab File: VX003051.D

Acq: 30 Jun 2018 01:36

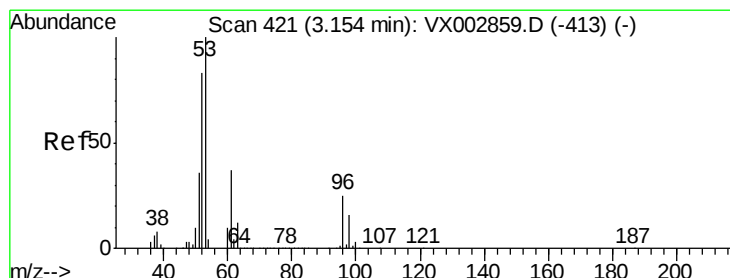
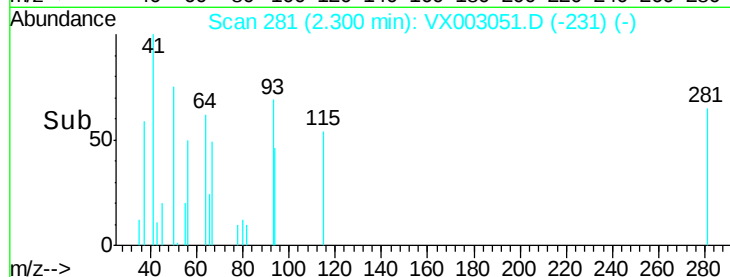
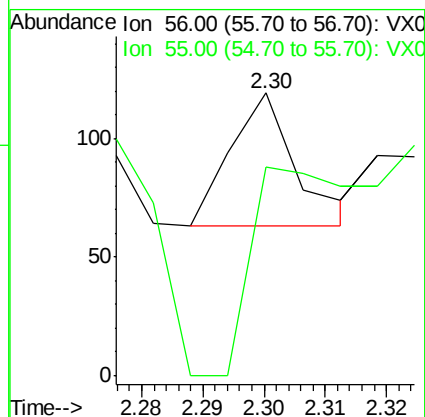
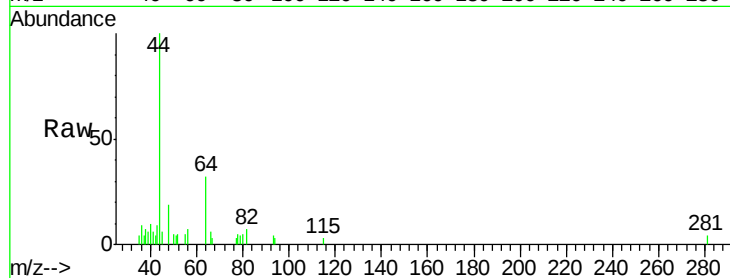
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 56 Resp: 41

Ion Ratio Lower Upper

56 100

55 226.8 57.0 85.4#



#15

Acrylonitrile

Concen: 0.31 ug/l

RT: 3.15 min Scan# 420

Delta R.T. -0.01 min

Lab File: VX003051.D

Acq: 30 Jun 2018 01:36

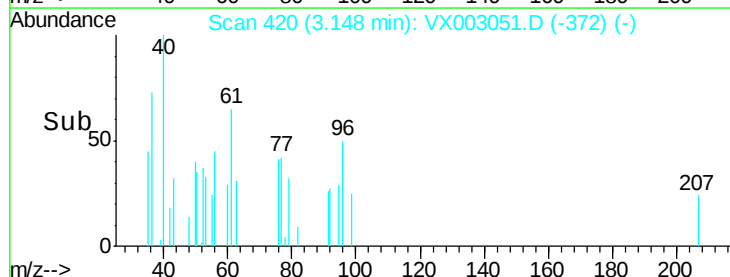
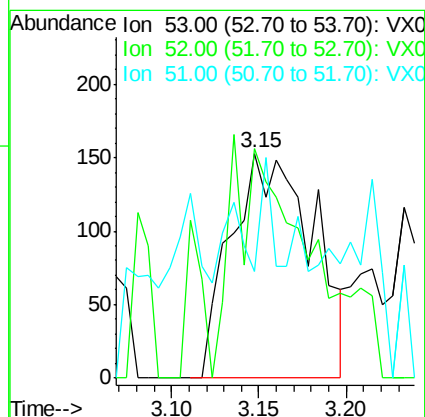
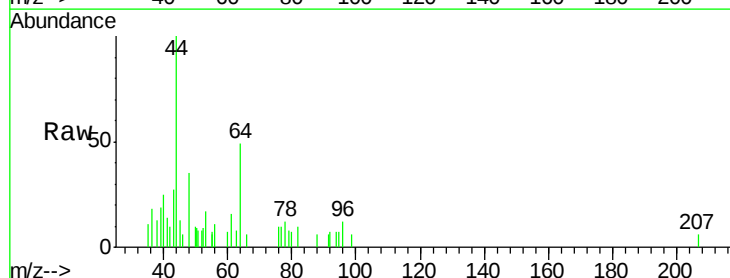
Tgt Ion: 53 Resp: 497

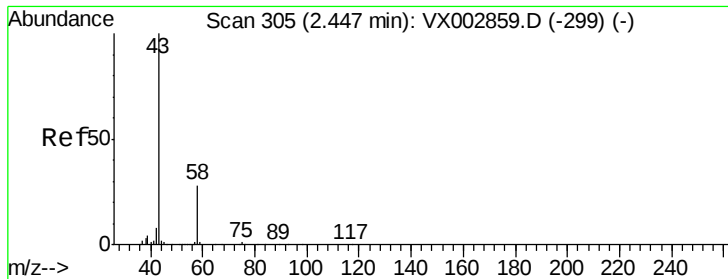
Ion Ratio Lower Upper

53 100

52 92.6 66.7 100.1

51 9.1 29.9 44.9#





#16

Acetone

Concen: 0.40 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.00 min

Lab File: VX003051.D

Acq: 30 Jun 2018 01:36

Instrument :

MSVOA_X

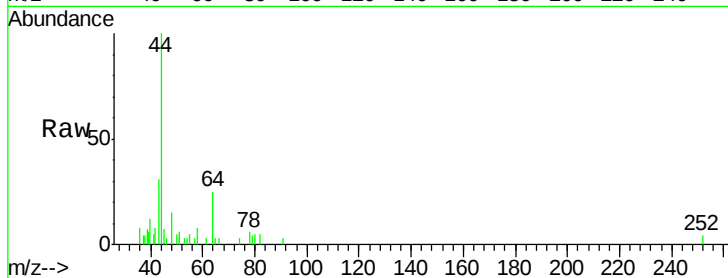
ClientSampleId :

Tot Ion: 43 Resp: 618

Ion Ratio Lower Upper

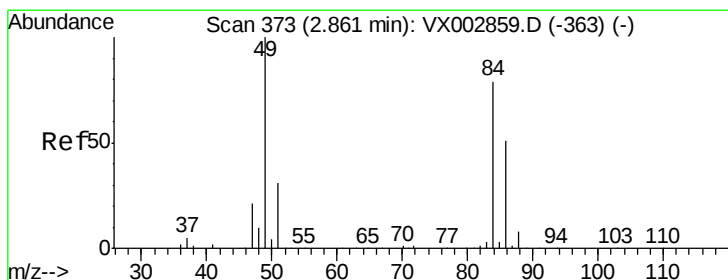
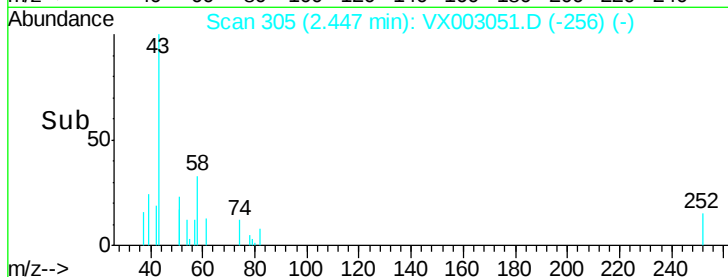
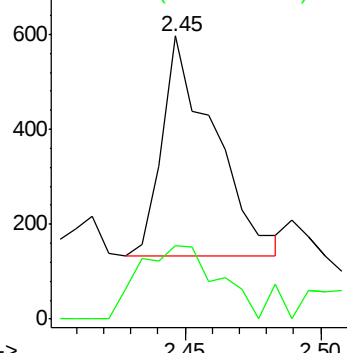
43 100

58 19.6 22.1 33.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#20

Methylene Chloride

Concen: 0.21 ug/l

RT: 2.85 min Scan# 372

Delta R.T. -0.01 min

Lab File: VX003051.D

Acq: 30 Jun 2018 01:36

Tgt Ion: 84 Resp: 630

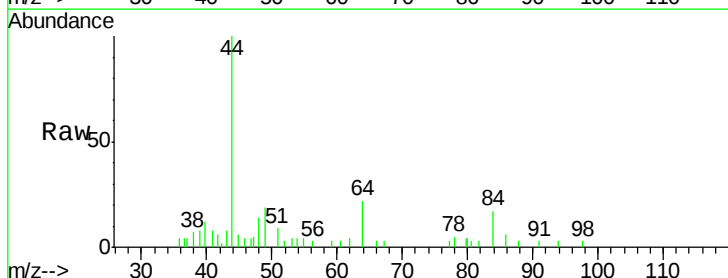
Ion Ratio Lower Upper

84 100

49 117.2 107.8 161.6

51 36.4 32.8 49.2

86 37.9 52.5 78.7#

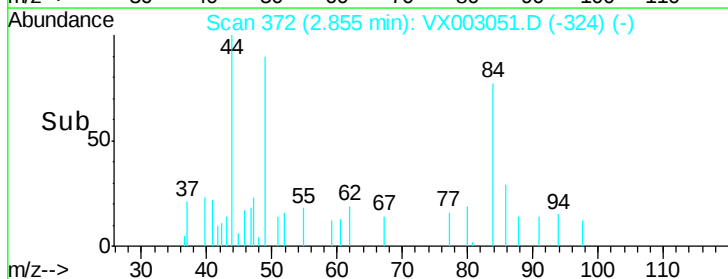
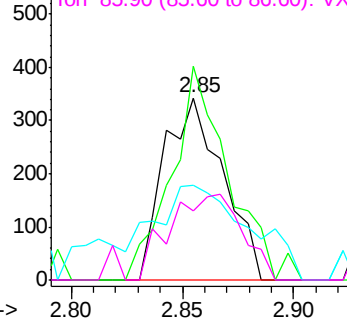


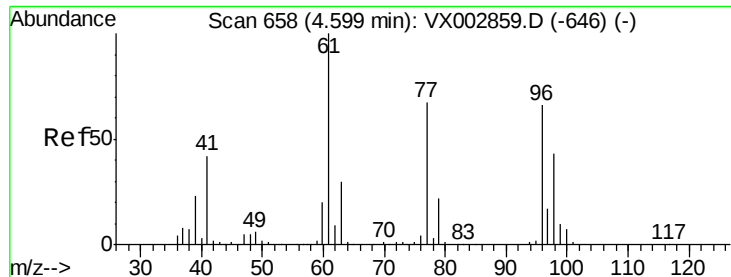
Abundance Ion 83.90 (83.60 to 84.60): VX0

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





#27

cis-1,2-Dichloroethene

Concen: 17.50 ug/l

RT: 4.60 min Scan# 658

Delta R.T. -0.00 min

Lab File: VX003051.D

Acq: 30 Jun 2018 01:36

Instrument :
MSVOA_X
ClientSampleId :

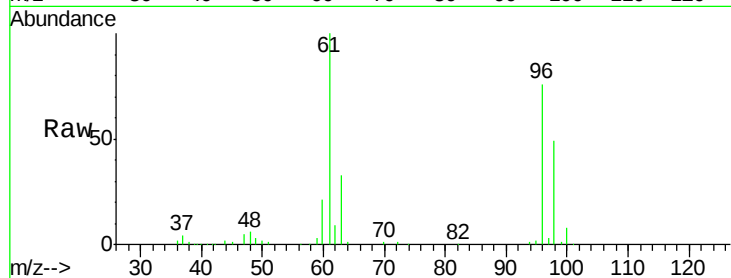
Tot Ion: 96 Resp: 56606

Ion Ratio Lower Upper

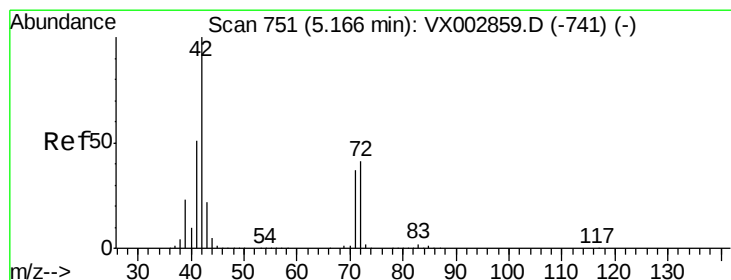
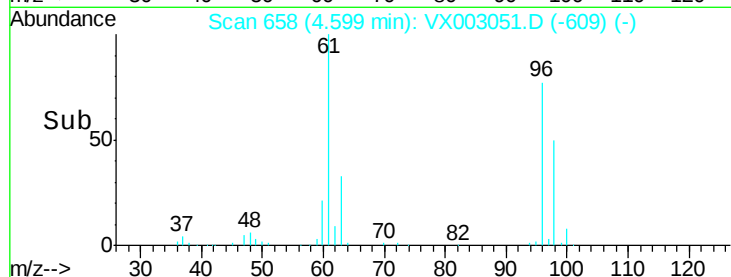
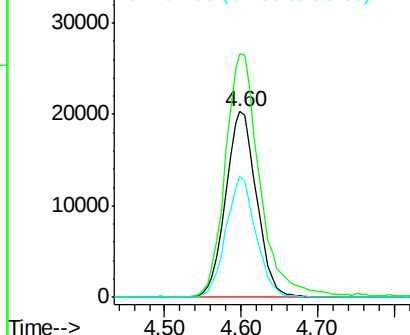
96 100

61 147.1 0.0 330.2

98 63.1 0.0 130.2



Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



#29

Tetrahydrofuran

Concen: 0.73 ug/l

RT: 5.18 min Scan# 754

Delta R.T. 0.02 min

Lab File: VX003051.D

Acq: 30 Jun 2018 01:36

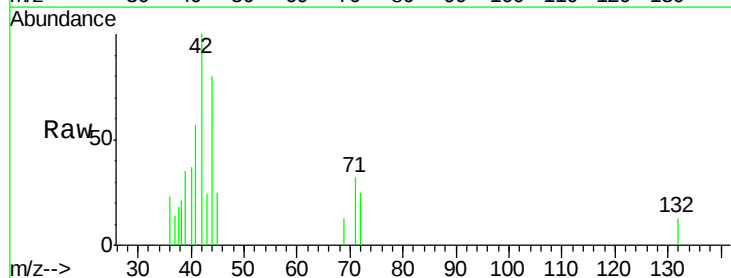
Tgt Ion: 42 Resp: 1072

Ion Ratio Lower Upper

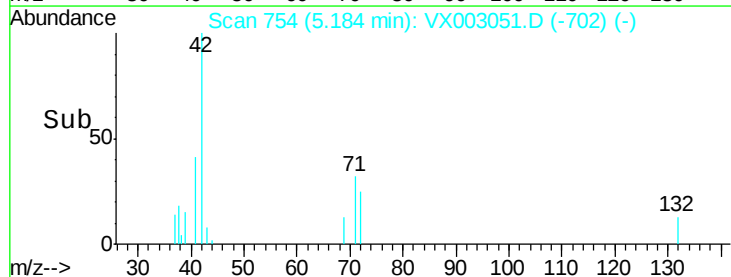
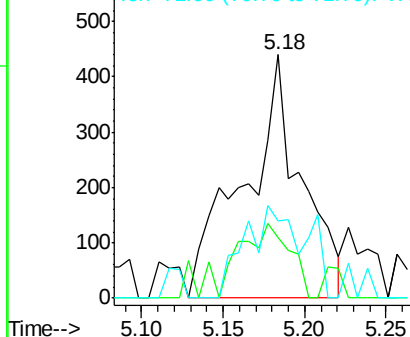
42 100

72 26.2 32.0 48.0#

71 39.9 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

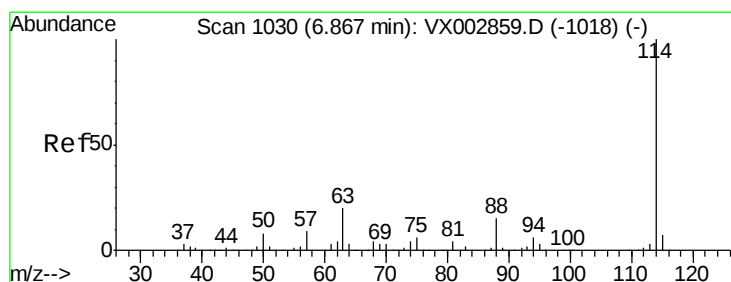
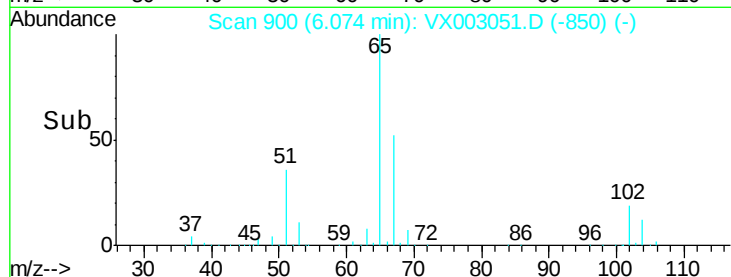
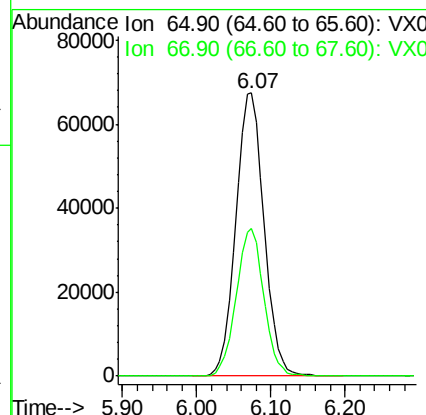
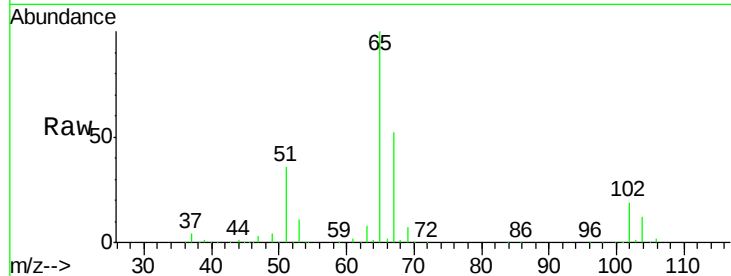




#33
 1,2-Dichloroethane-d4
 Concen: 48.24 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VX003051.D
 Acq: 30 Jun 2018 01:36

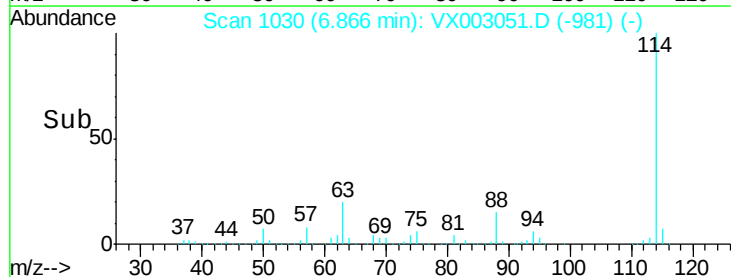
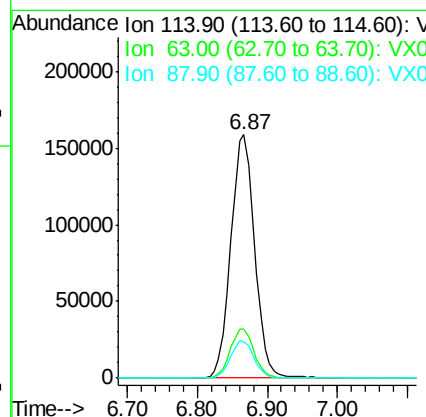
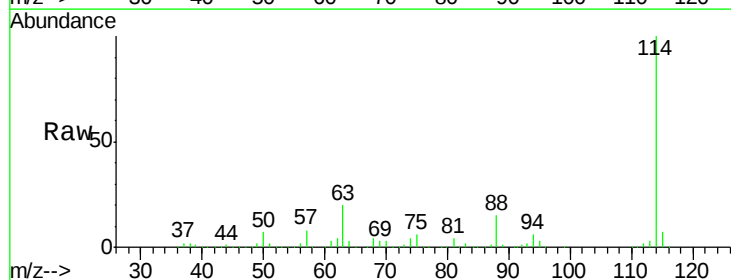
Instrument :
 MSVOA_X
 ClientSampleId :

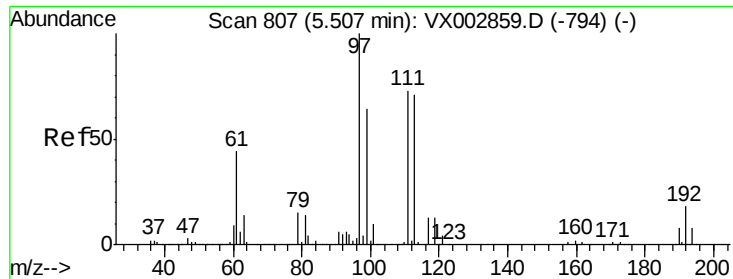
Tot Ion: 65 Resp: 179115
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX003051.D
 Acq: 30 Jun 2018 01:36

Tgt Ion: 114 Resp: 376508
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 41.4
 88 14.9 0.0 30.0

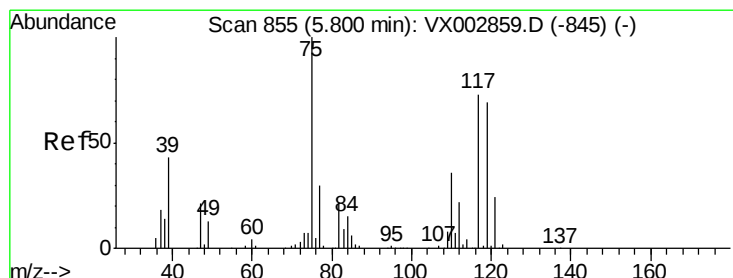
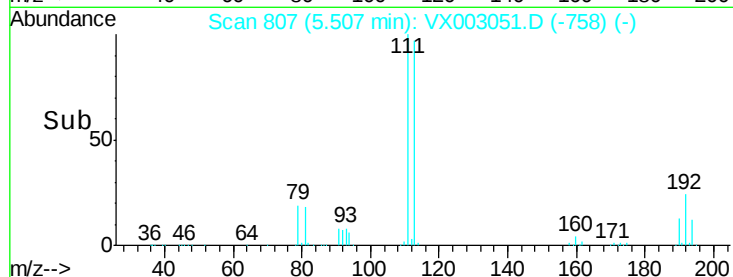
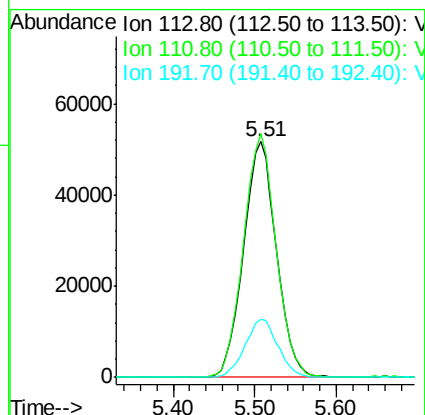
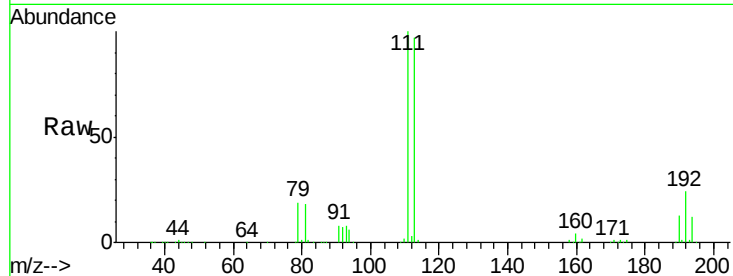




#35
Dibromofluoromethane
Concen: 48.59 ug/l
RT: 5.51 min Scan# 807
Delta R.T. -0.00 min
Lab File: VX003051.D
Acq: 30 Jun 2018 01:36

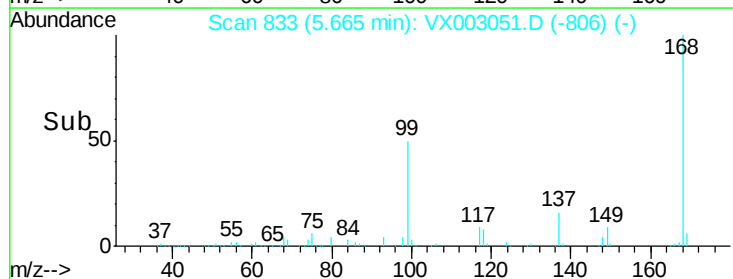
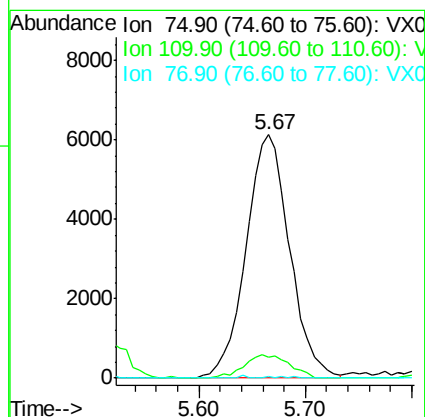
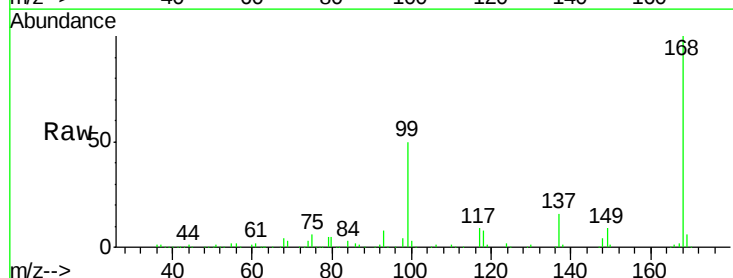
Instrument :
MSVOA_X
ClientSampleId :

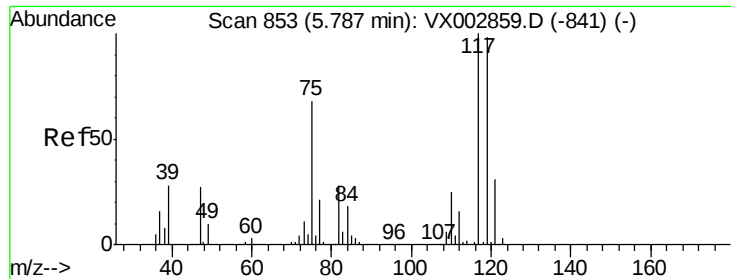
Tot Ion:113 Resp: 144886
Ion Ratio Lower Upper
113 100
111 102.5 81.4 122.0
192 24.9 19.1 28.7



#36
1,1-Dichloropropene
Concen: 4.25 ug/l
RT: 5.67 min Scan# 833
Delta R.T. -0.13 min
Lab File: VX003051.D
Acq: 30 Jun 2018 01:36

Tgt Ion: 75 Resp: 17548
Ion Ratio Lower Upper
75 100
110 9.9 18.1 54.4#
77 0.1 24.3 36.5#

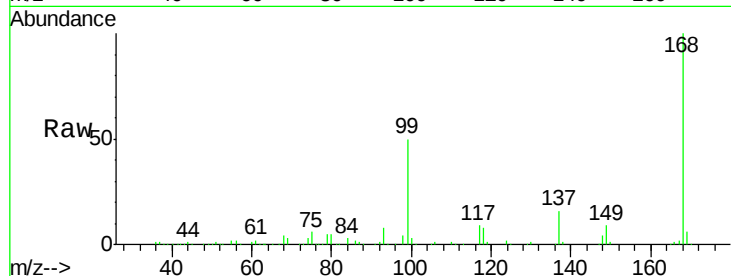




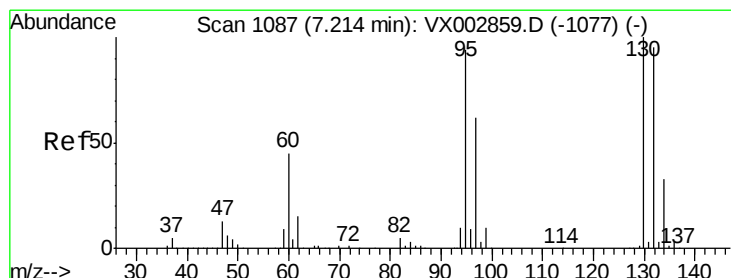
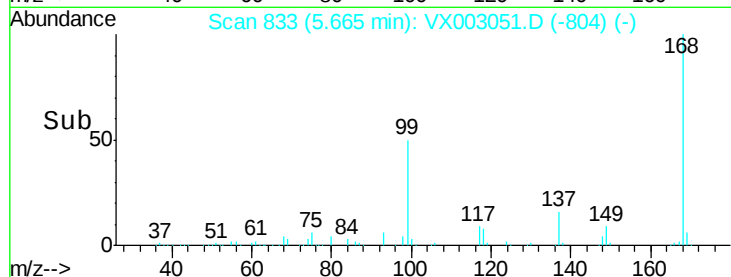
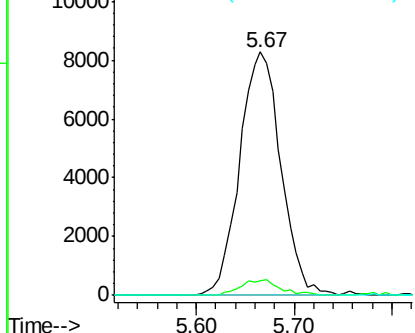
#38
Carbon Tetrachloride
Concen: 5.33 ug/l
RT: 5.67 min Scan# 833
Delta R.T. -0.12 min
Lab File: VX003051.D
Acq: 30 Jun 2018 01:36

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 24144
Ion Ratio Lower Upper
117 100
119 5.8 77.4 116.0#
121 0.0 24.4 36.6#

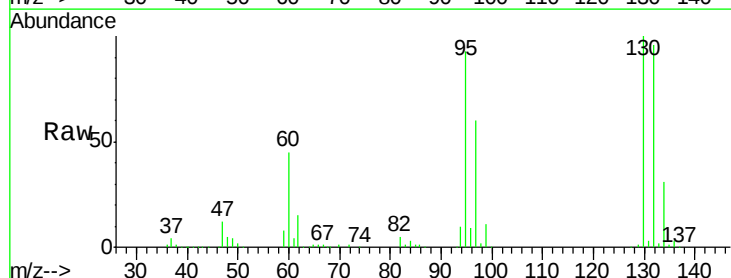


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

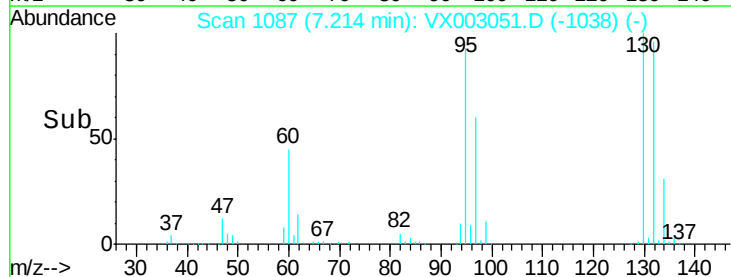
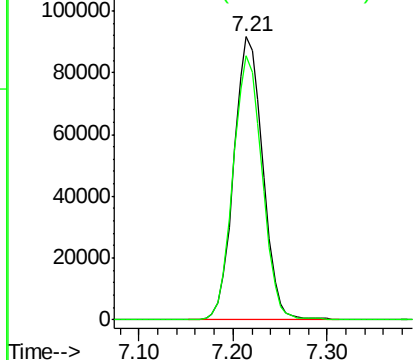


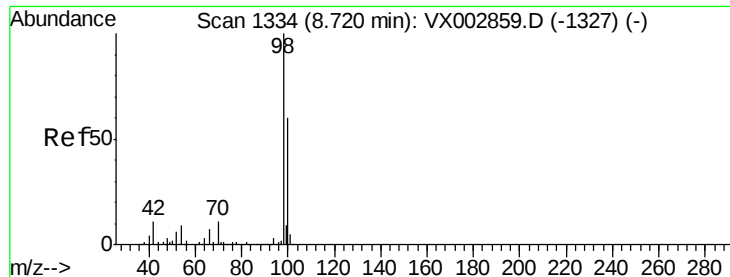
#44
Trichloroethene
Concen: 54.59 ug/l
RT: 7.21 min Scan# 1087
Delta R.T. -0.00 min
Lab File: VX003051.D
Acq: 30 Jun 2018 01:36

Tgt Ion:130 Resp: 195253
Ion Ratio Lower Upper
130 100
95 93.4 0.0 185.4



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VX0

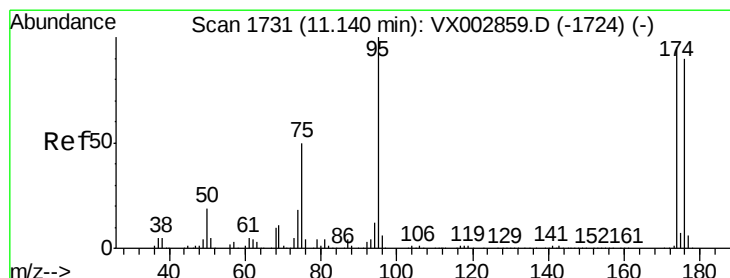
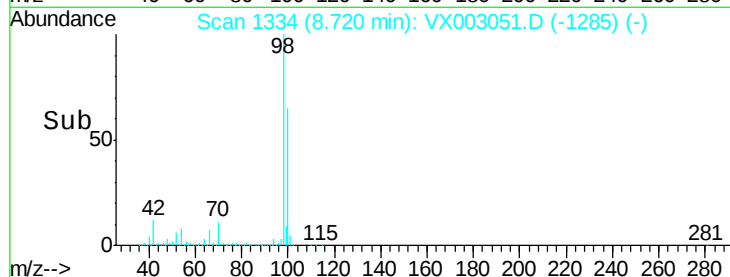
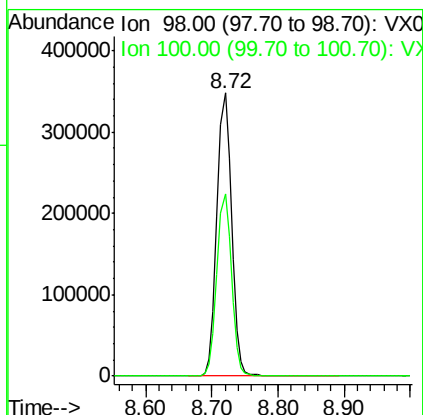
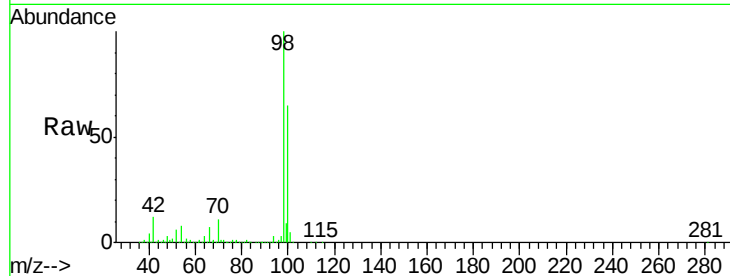




#50
Toluene-d8
Concen: 49.27 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003051.D
Acq: 30 Jun 2018 01:36

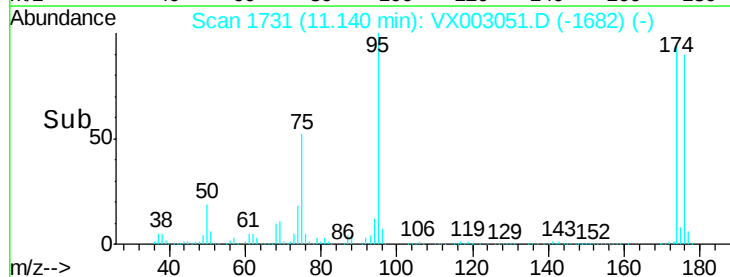
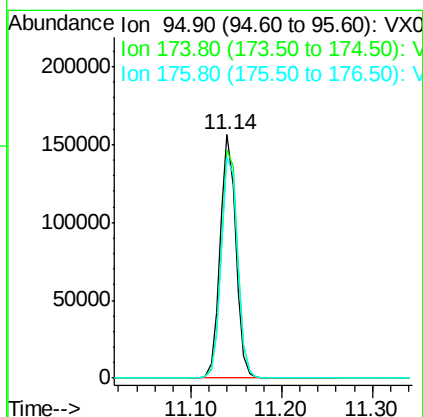
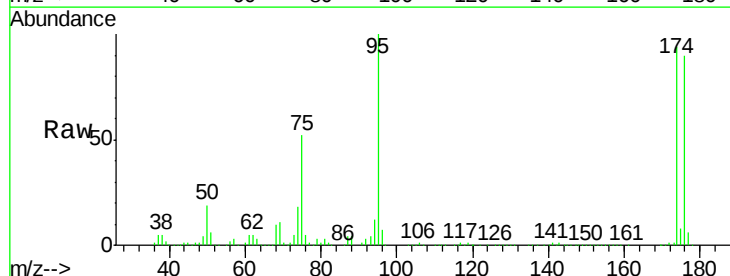
Instrument :
MSVOA_X
ClientSampleId :

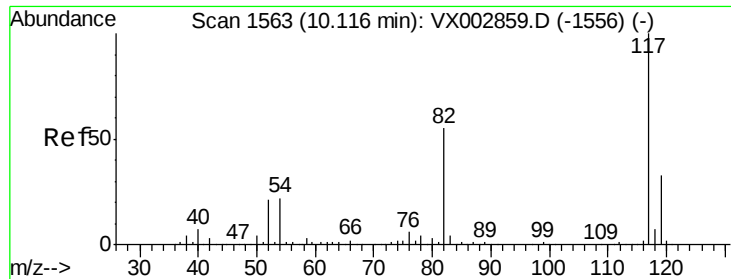
Tot Ion: 98 Resp: 536424
Ion Ratio Lower Upper
98 100
100 64.1 50.9 76.3



#62
4-Bromofluorobenzene
Concen: 44.97 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX003051.D
Acq: 30 Jun 2018 01:36

Tgt Ion: 95 Resp: 188813
Ion Ratio Lower Upper
95 100
174 98.5 0.0 187.4
176 94.5 0.0 181.0

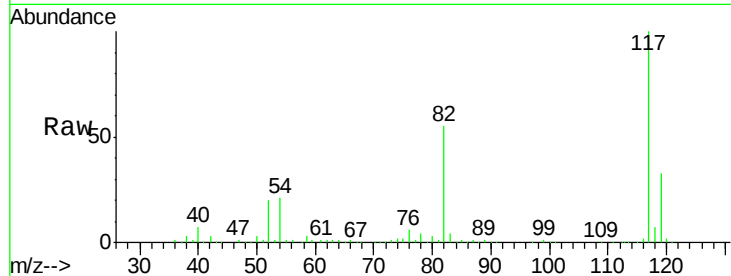




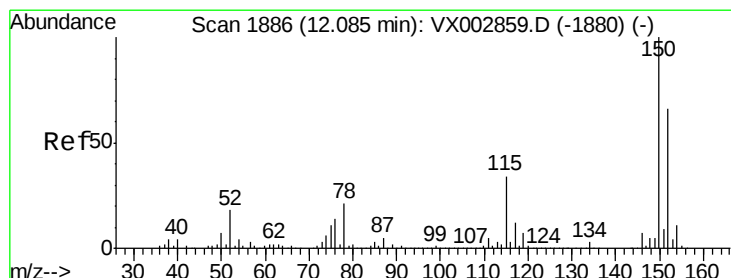
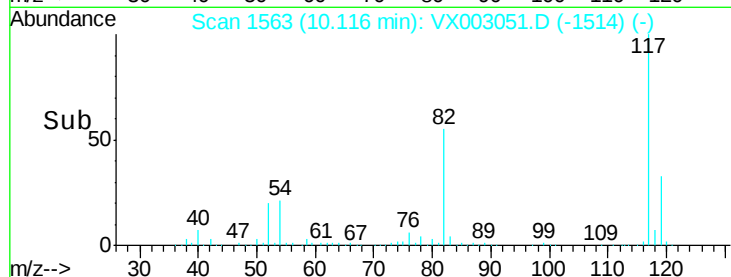
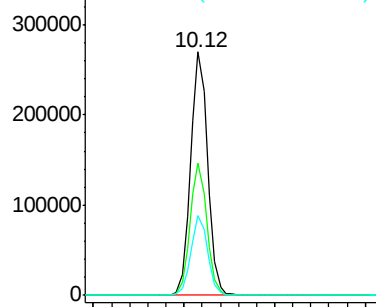
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX003051.D
Acq: 30 Jun 2018 01:36

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:117 Resp: 353998
Ion Ratio Lower Upper
117 100
82 54.5 45.0 67.4
119 32.5 25.8 38.6

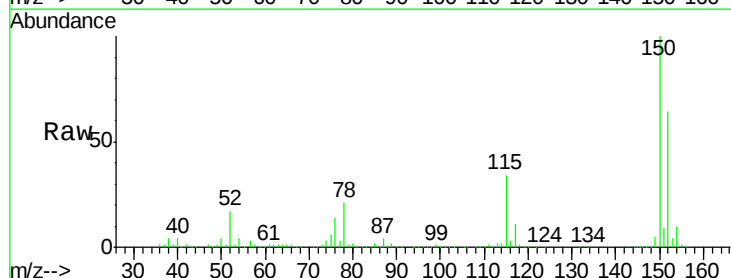


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

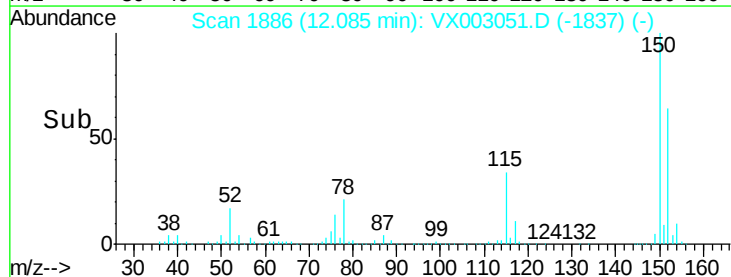
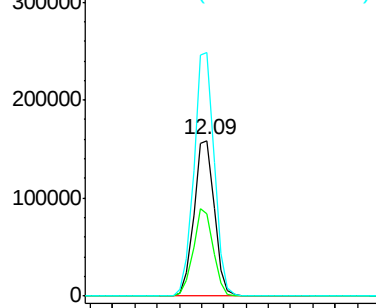


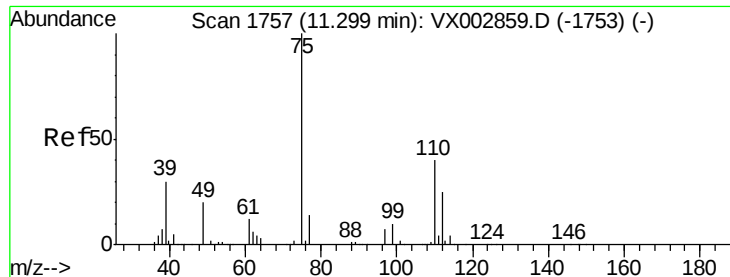
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX003051.D
Acq: 30 Jun 2018 01:36

Tgt Ion:152 Resp: 201029
Ion Ratio Lower Upper
152 100
115 54.5 40.1 120.2
150 156.7 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: 26.86 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX003051.D

Acq: 30 Jun 2018 01:36

Instrument :

MSVOA_X

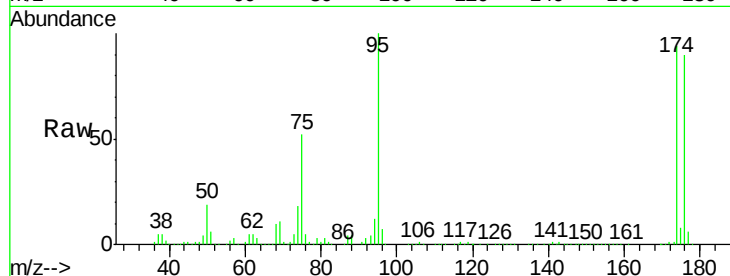
ClientSampled :

Tot Ion: 75 Resp: 97809

Ion Ratio Lower Upper

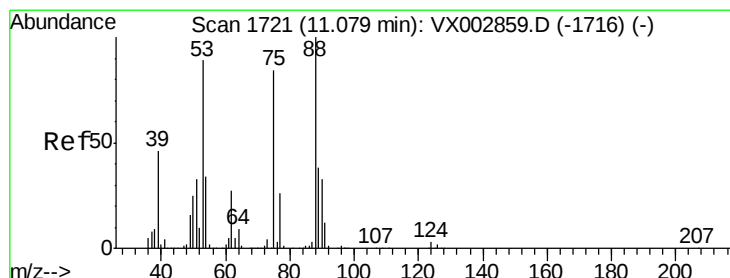
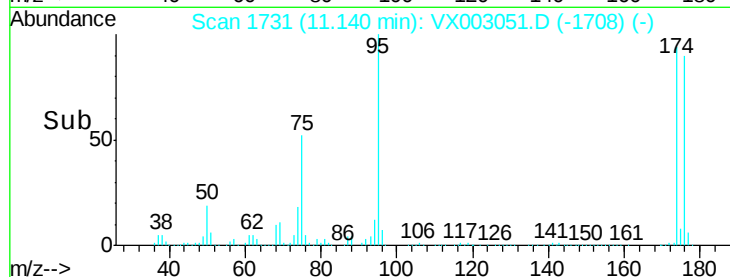
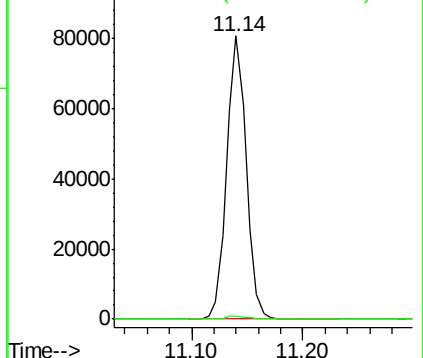
75 100

77 1.2 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: 76.06 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX003051.D

Acq: 30 Jun 2018 01:36

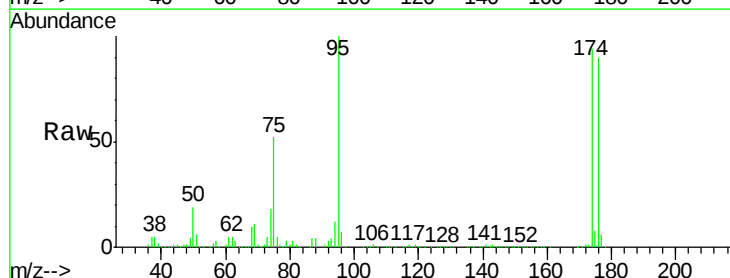
Tgt Ion: 75 Resp: 97809

Ion Ratio Lower Upper

75 100

53 0.2 86.8 130.2#

89 0.0 38.2 57.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

