

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX063018\
 Data File : VX003102.D
 Acq On : 01 Jul 2018 03:20
 Operator : JC/MD
 Sample : J3800-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-17

Quant Time: Jul 02 04:57:01 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	280344	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	390590	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	360245	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	207859	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	178050	45.95	ug/l	0.00
Spiked Amount			Recovery	=	91.90%	
35) Dibromofluoromethane	5.51	113	146618	47.40	ug/l	0.00
Spiked Amount			Recovery	=	94.80%	
50) Toluene-d8	8.72	98	541480	47.94	ug/l	0.00
Spiked Amount			Recovery	=	95.88%	
62) 4-Bromofluorobenzene	11.14	95	193279	44.37	ug/l	0.00
Spiked Amount			Recovery	=	88.74%	

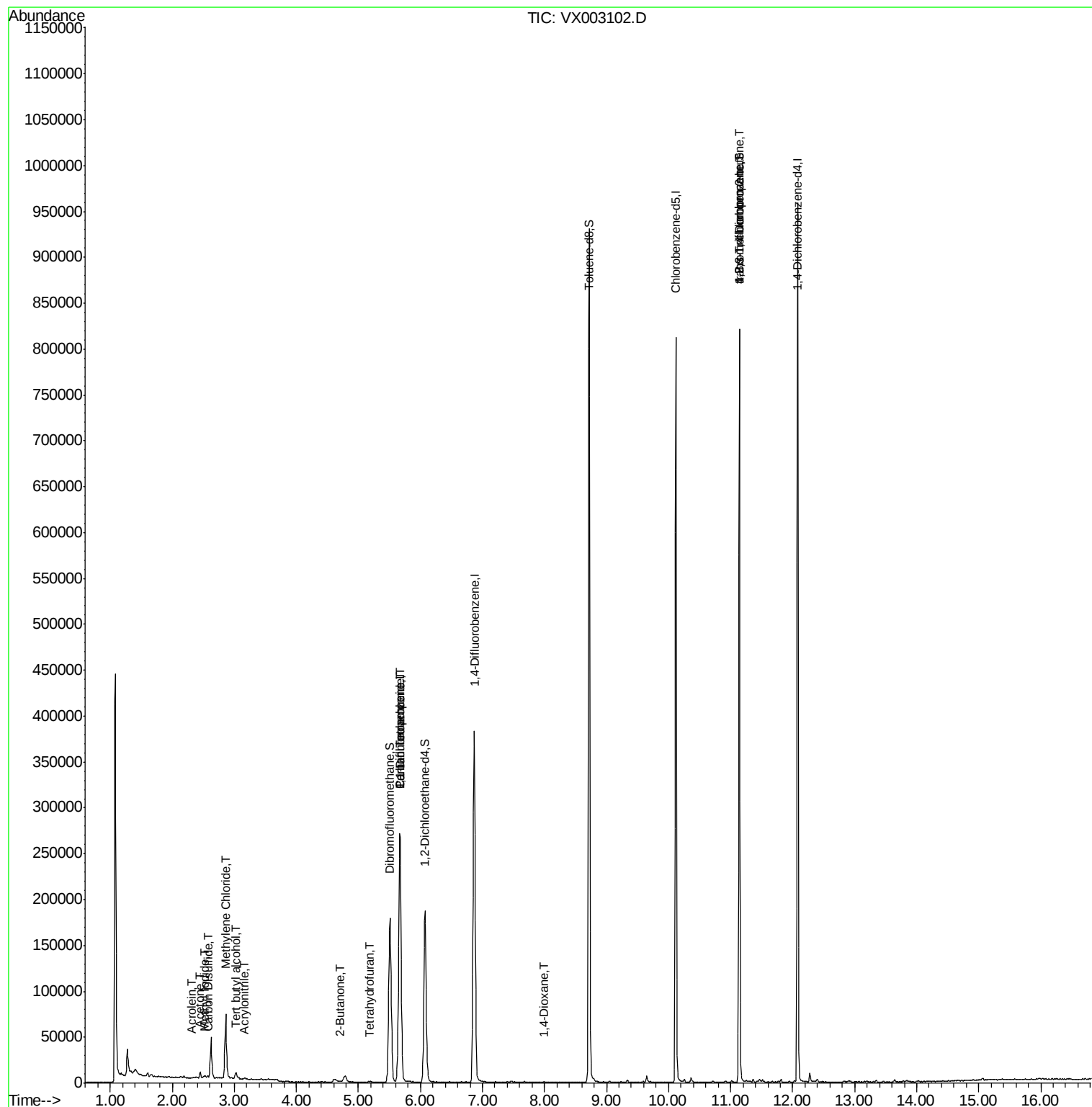
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	151	Below Cal		97
3) Chloromethane	1.33	50	986	Below Cal	#	70
5) Bromomethane	1.65	94	2389	Below Cal		85
6) Chloroethane	1.72	64	583	Below Cal	#	47
10) Methyl Iodide	2.52	142	2963	7.05	ug/l	# 93
11) Tert butyl alcohol	3.03	59	3904	5.06	ug/l	# 80
13) Acrolein	2.30	56	46	4.33	ug/l	# 1
15) Acrylonitrile	3.15	53	433	0.26	ug/l	# 80
16) Acetone	2.45	43	6962	4.34	ug/l	# 99
17) Carbon Disulfide	2.57	76	3078	0.42	ug/l	# 85
20) Methylene Chloride	2.86	84	33286	10.66	ug/l	# 94
25) 2-Butanone	4.70	43	1085	0.46	ug/l	# 52
29) Tetrahydrofuran	5.17	42	499	0.33	ug/l	# 81
36) 1,1-Dichloropropene	5.67	75	18369	4.29	ug/l	# 50
38) Carbon Tetrachloride	5.67	117	25168	5.35	ug/l	# 16
49) 1,4-Dioxane	8.00	88	20	0.26	ug/l	# 1
76) 1,2,3-Trichloropropane	11.14	75	97020	25.77	ug/l	# 33
81) trans-1,4-Dichloro-2-buten	11.14	75	97020	73.10	ug/l	# 7

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

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.01 min

Lab File: VX003102.D

Acq: 01 Jul 2018 03:20

Instrument :

MSVOA_X

ClientSampleId :

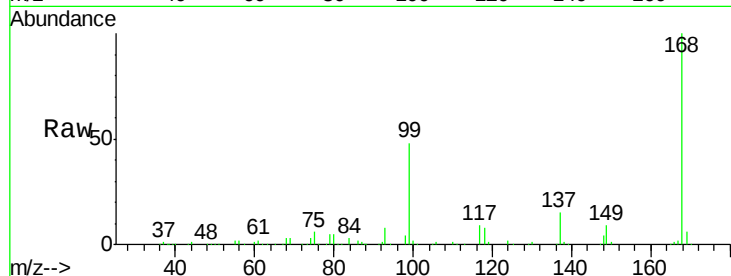
MW-17

Tot Ion:168 Resp: 280344

Ion Ratio Lower Upper

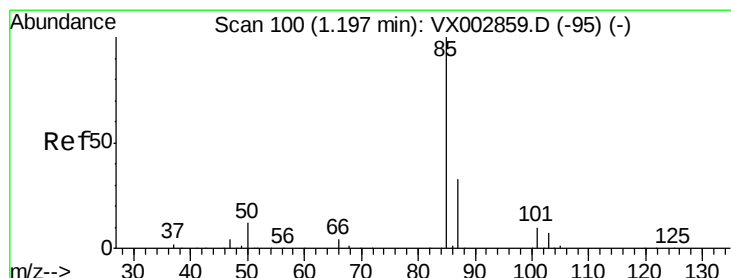
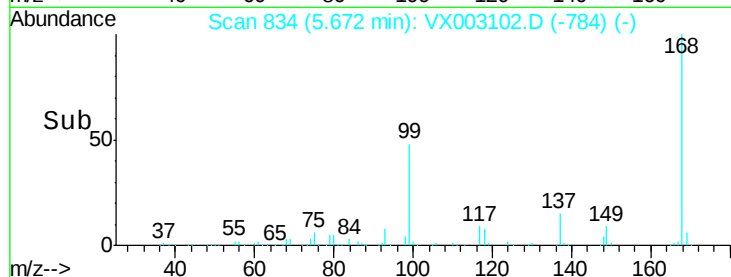
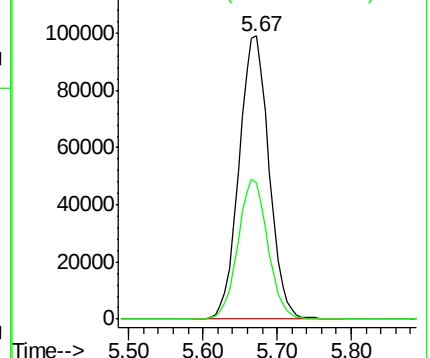
168 100

99 48.1 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: VX003102.D

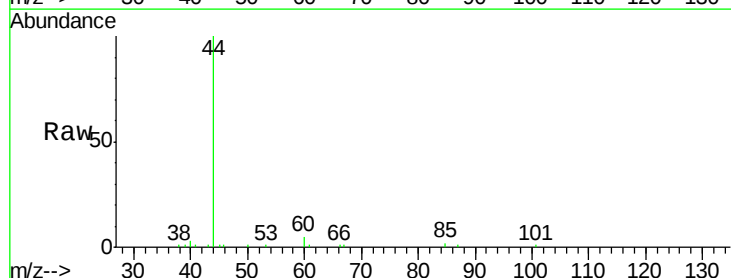
Acq: 01 Jul 2018 03:20

Tgt Ion: 85 Resp: 151

Ion Ratio Lower Upper

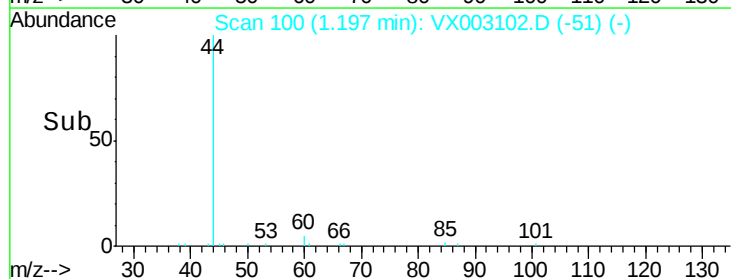
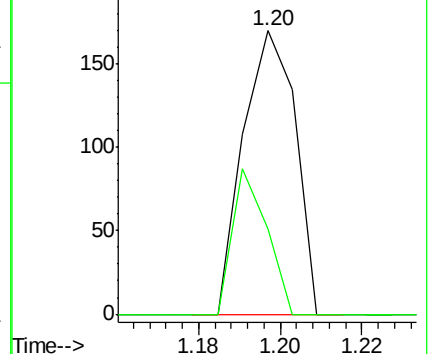
85 100

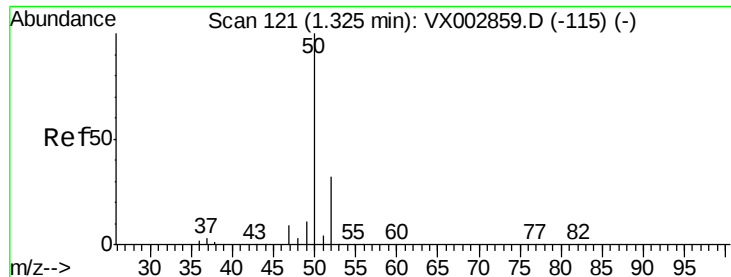
87 30.0 16.0 47.9



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: 1.33 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX003102.D

Acq: 01 Jul 2018 03:20

Instrument :

MSVOA_X

ClientSampleId :

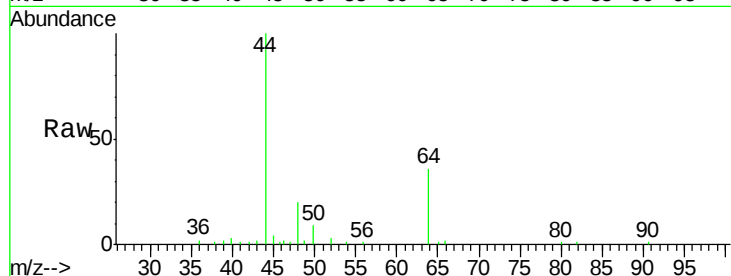
MW-17

Tot Ion: 50 Resp: 986

Ion Ratio Lower Upper

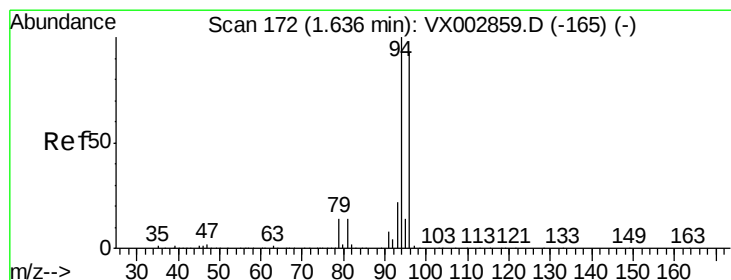
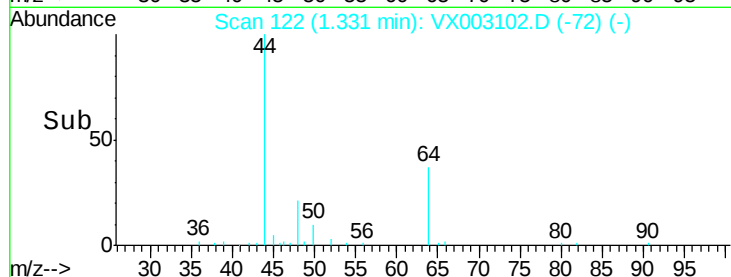
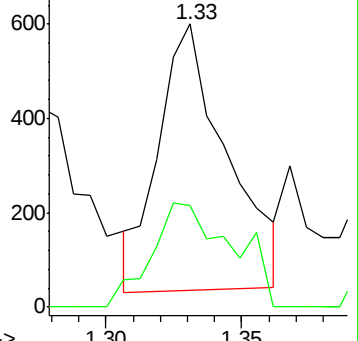
50 100

52 48.9 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: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX003102.D

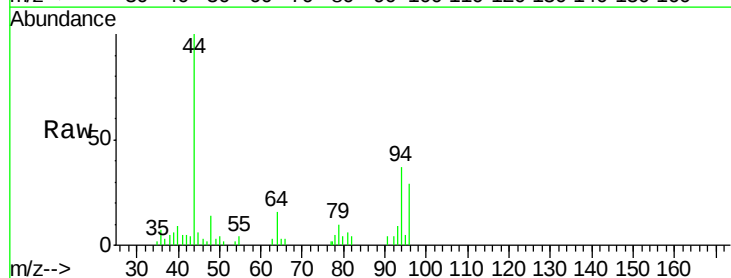
Acq: 01 Jul 2018 03:20

Tgt Ion: 94 Resp: 2389

Ion Ratio Lower Upper

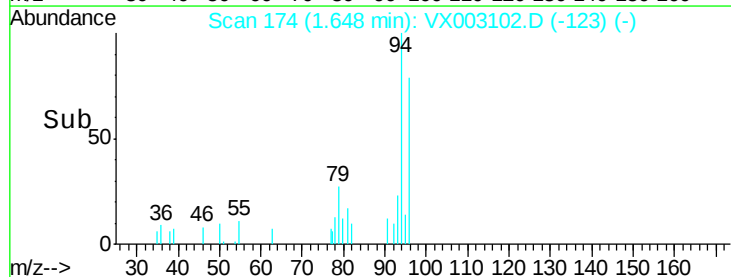
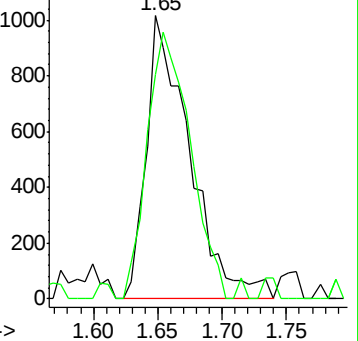
94 100

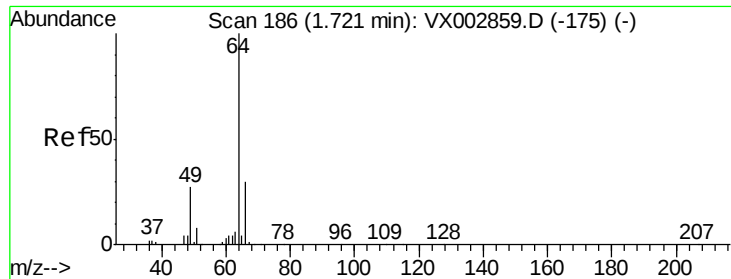
96 79.4 74.9 112.3



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: 1.72 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX003102.D

Acq: 01 Jul 2018 03:20

Instrument :

MSVOA_X

ClientSampleId :

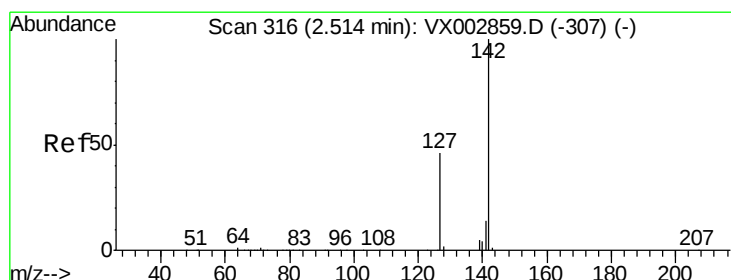
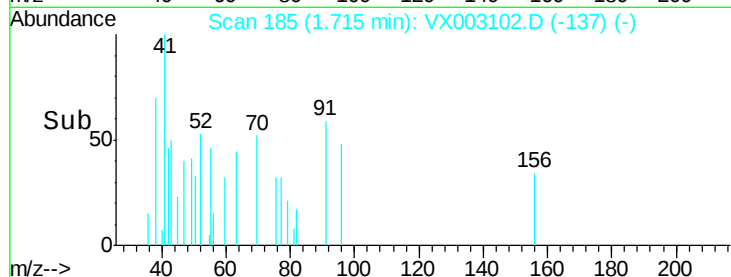
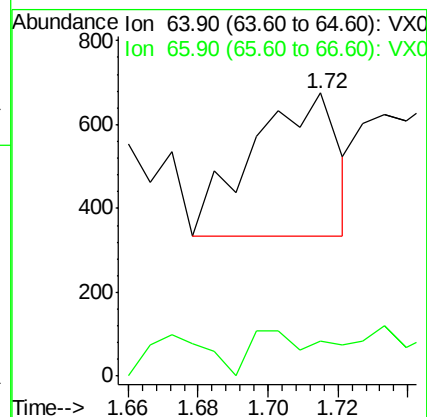
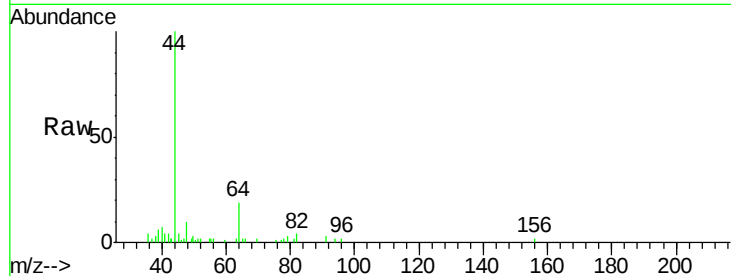
MW-17

Tot Ion: 64 Resp: 583

Ion Ratio Lower Upper

64 100

66 2.6 25.5 38.3#



#10

Methyl Iodide

Concen: 7.05 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX003102.D

Acq: 01 Jul 2018 03:20

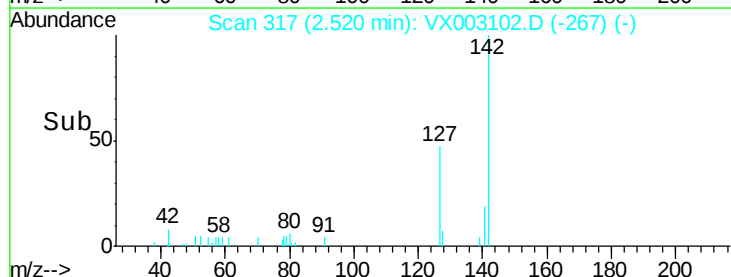
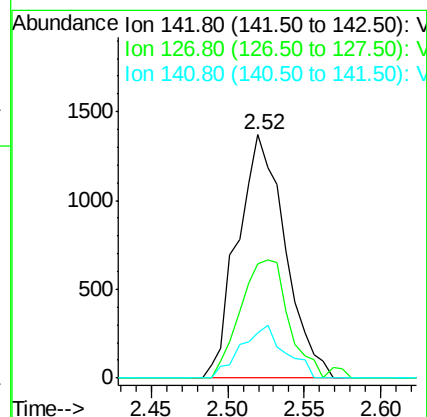
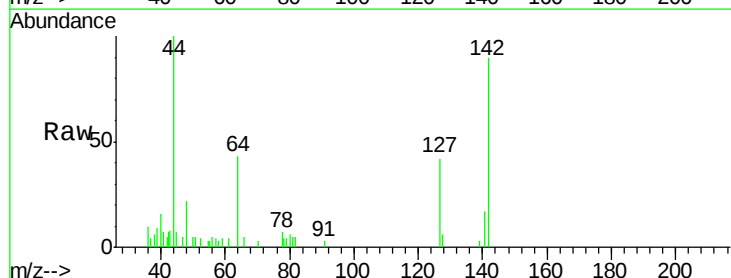
Tgt Ion: 142 Resp: 2963

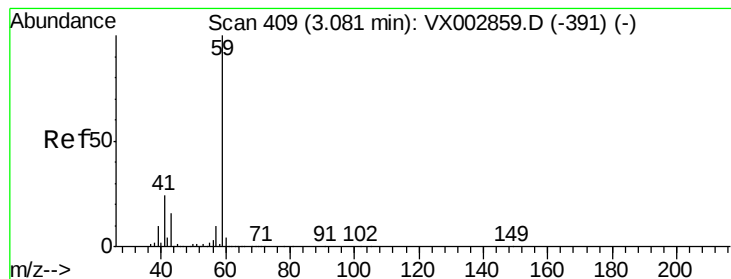
Ion Ratio Lower Upper

142 100

127 48.9 36.6 55.0

141 19.8 11.3 16.9#



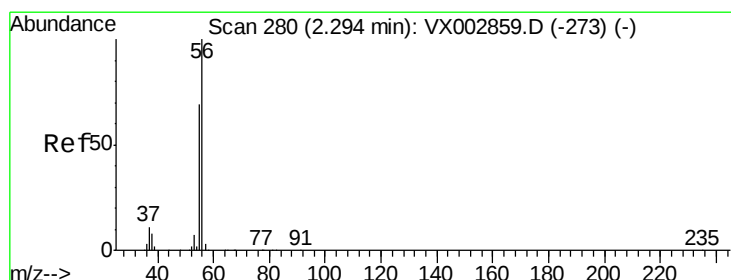
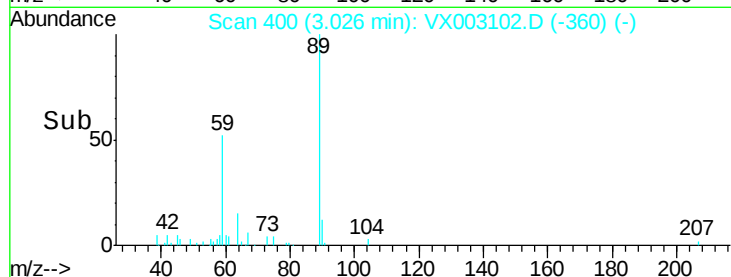
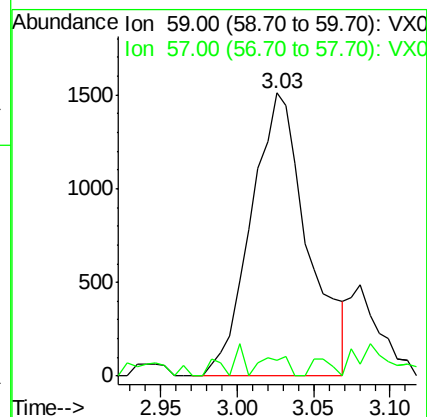
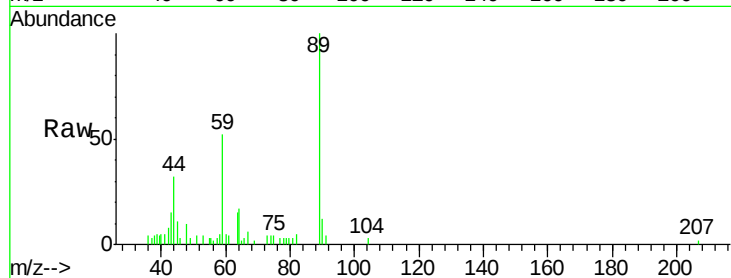


#11

Tert butyl alcohol
Concen: 5.06 ug/l
RT: 3.03 min Scan# 400
Delta R.T. -0.05 min
Lab File: VX003102.D
Acq: 01 Jul 2018 03:20

Instrument :
MSVOA_X
ClientSampled :
MW-17

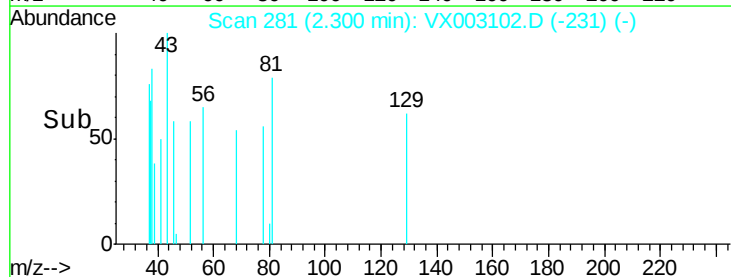
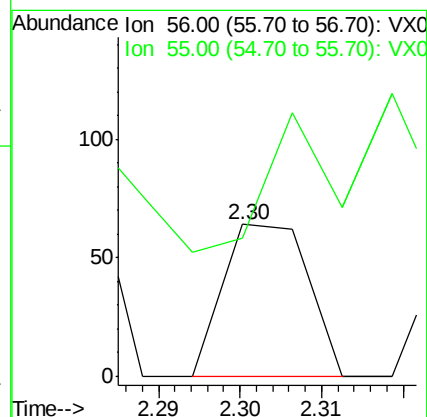
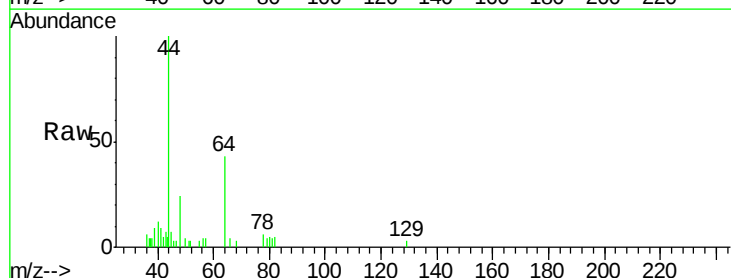
Tot Ion: 59 Resp: 3904
Ion Ratio Lower Upper
59 100
57 2.7 8.2 12.2#

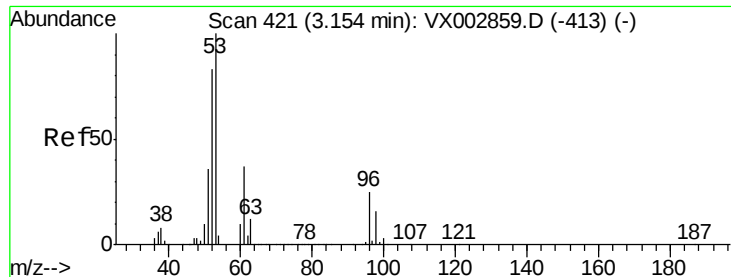


#13

Acrolein
Concen: 4.33 ug/l
RT: 2.30 min Scan# 281
Delta R.T. 0.01 min
Lab File: VX003102.D
Acq: 01 Jul 2018 03:20

Tgt Ion: 56 Resp: 46
Ion Ratio Lower Upper
56 100
55 210.9 57.0 85.4#





#15

Acrylonitrile

Concen: 0.26 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX003102.D

Acq: 01 Jul 2018 03:20

Instrument :

MSVOA_X

ClientSampled :

MW-17

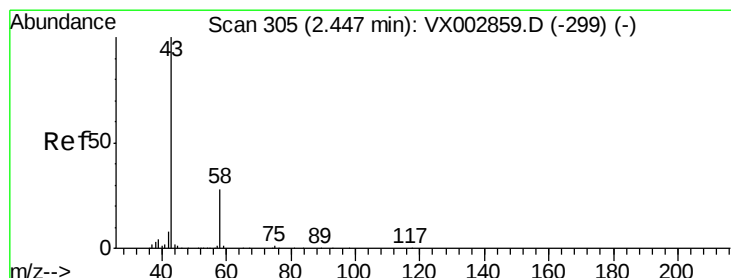
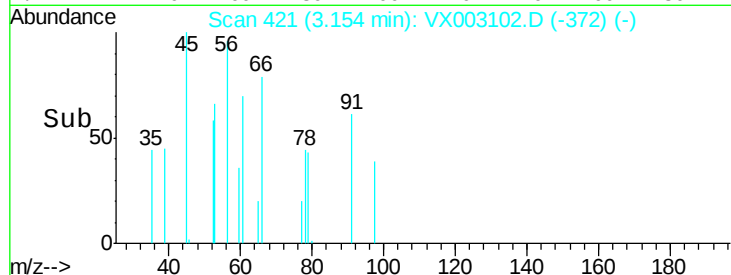
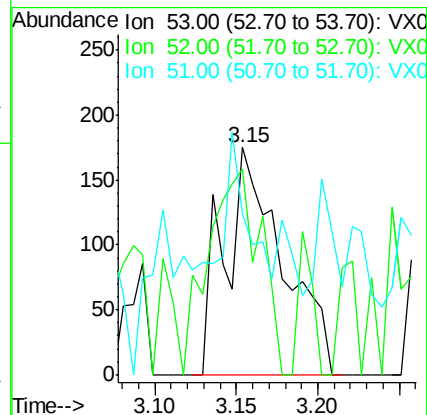
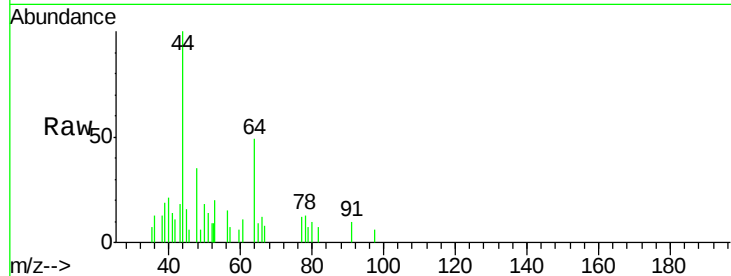
Tot Ion: 53 Resp: 433

Ion Ratio Lower Upper

53 100

52 82.0 66.7 100.1

51 0.0 29.9 44.9#



#16

Acetone

Concen: 4.34 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.00 min

Lab File: VX003102.D

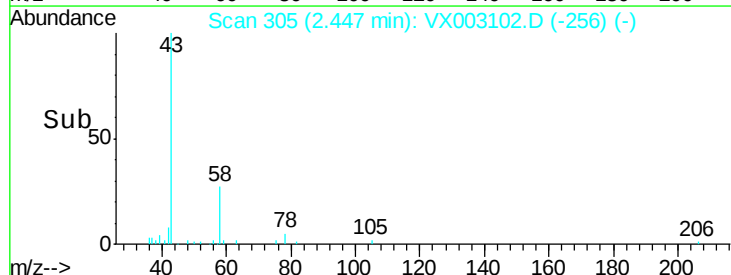
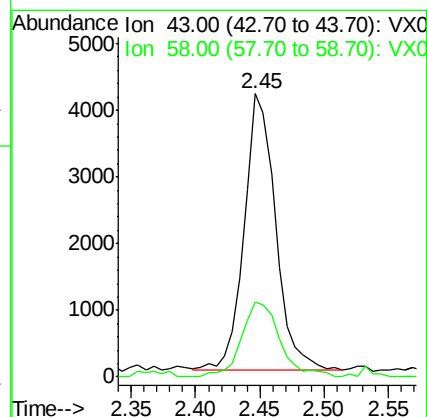
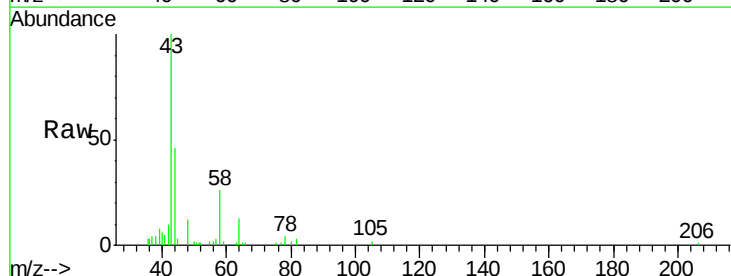
Acq: 01 Jul 2018 03:20

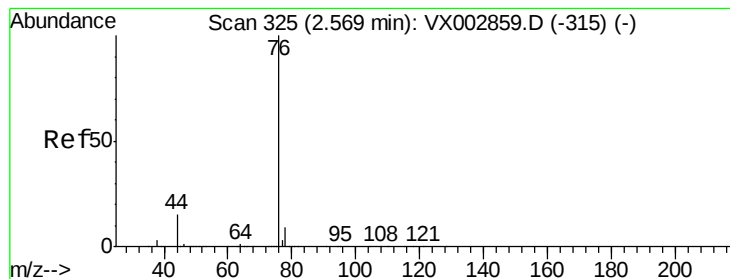
Tgt Ion: 43 Resp: 6962

Ion Ratio Lower Upper

43 100

58 27.0 22.1 33.1





#17

Carbon Disulfide

Concen: 0.42 ug/l

RT: 2.57 min Scan# 325

Delta R.T. -0.00 min

Lab File: VX003102.D

Acq: 01 Jul 2018 03:20

Instrument :

MSVOA_X

ClientSampleId :

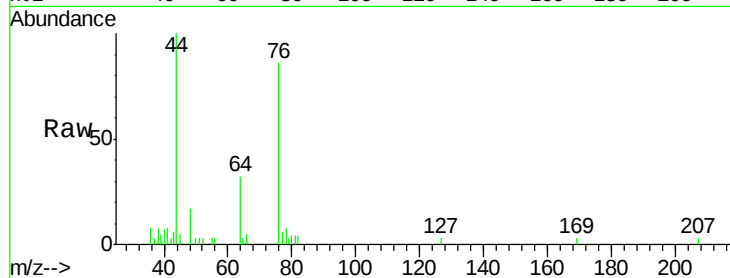
MW-17

Tot Ion: 76 Resp: 3078

Ion Ratio Lower Upper

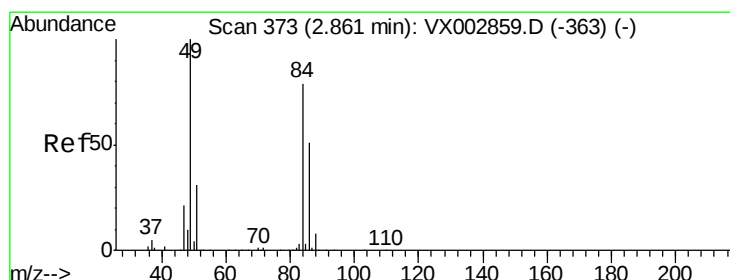
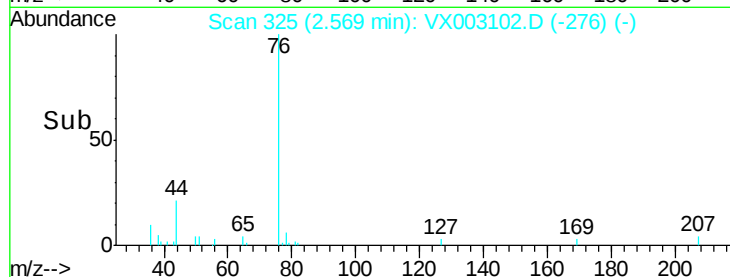
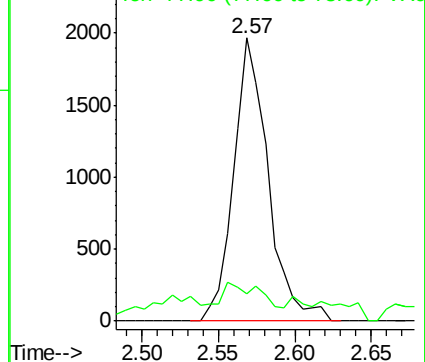
76 100

78 3.2 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: 10.66 ug/l

RT: 2.86 min Scan# 373

Delta R.T. -0.00 min

Lab File: VX003102.D

Acq: 01 Jul 2018 03:20

Tgt Ion: 84 Resp: 33286

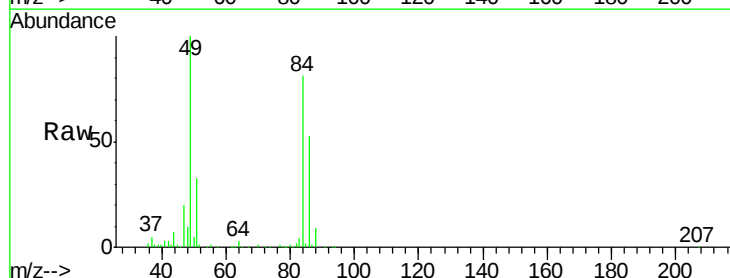
Ion Ratio Lower Upper

84 100

49 123.7 107.8 161.6

51 39.8 32.8 49.2

86 65.5 52.5 78.7

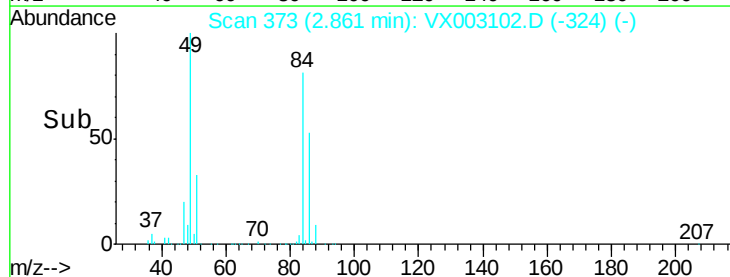
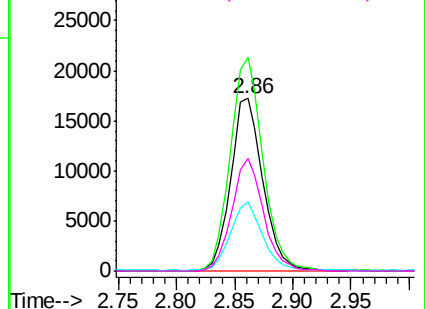


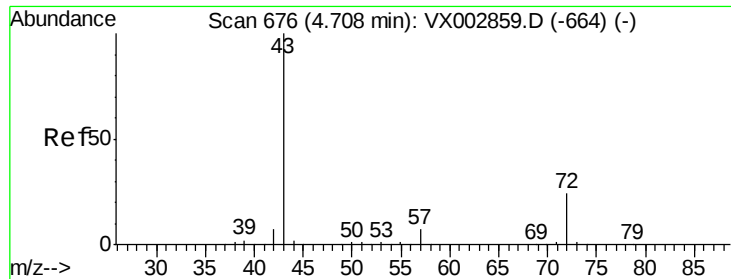
Abundance Ion 83.90 (83.60 to 84.60): VX0

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





#25

2-Butanone

Concen: 0.46 ug/l

RT: 4.70 min Scan# 675

Delta R.T. -0.01 min

Lab File: VX003102.D

Acq: 01 Jul 2018 03:20

Instrument :

MSVOA_X

ClientSampled :

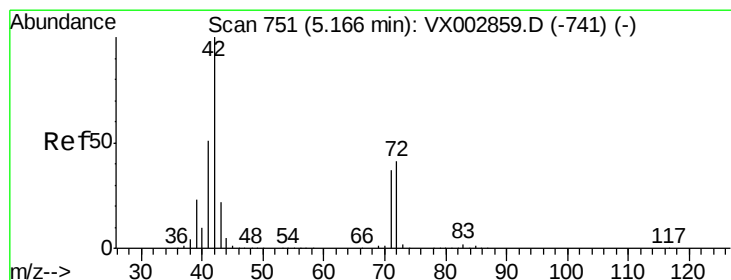
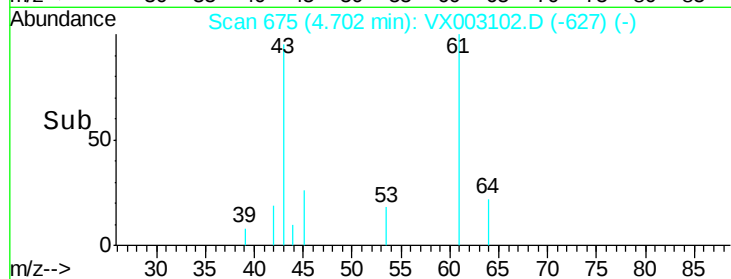
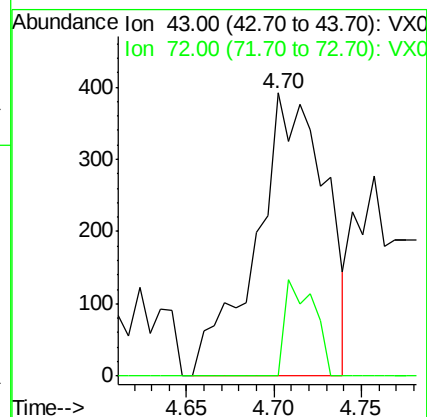
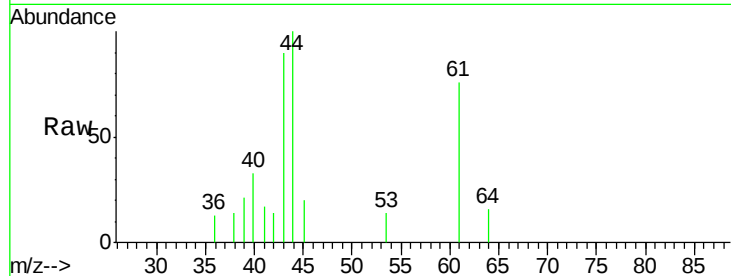
MW-17

Tot Ion: 43 Resp: 1085

Ion Ratio Lower Upper

43 100

72 0.0 18.5 27.7#



#29

Tetrahydrofuran

Concen: 0.33 ug/l

RT: 5.17 min Scan# 752

Delta R.T. 0.01 min

Lab File: VX003102.D

Acq: 01 Jul 2018 03:20

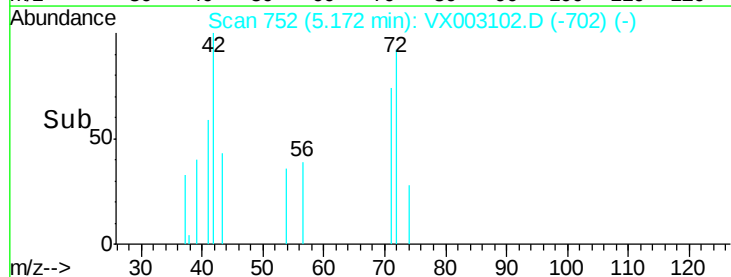
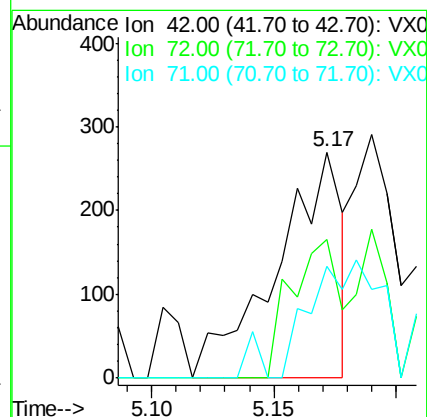
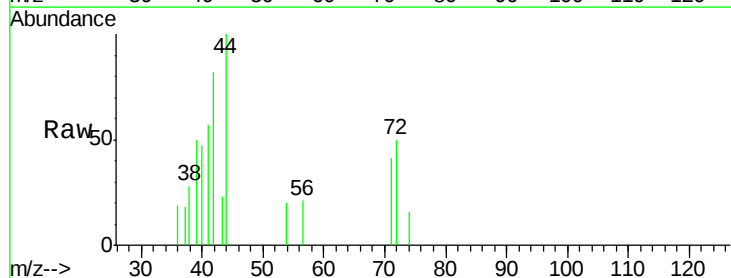
Tgt Ion: 42 Resp: 499

Ion Ratio Lower Upper

42 100

72 44.9 32.0 48.0

71 55.5 30.1 45.1#

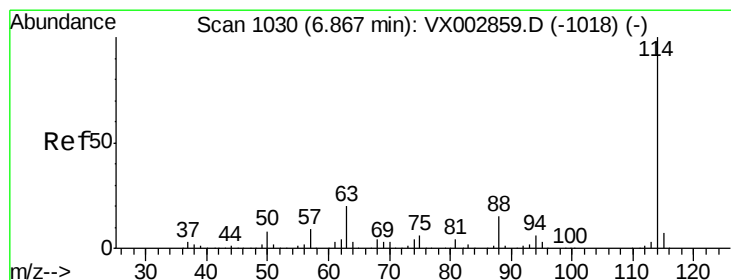
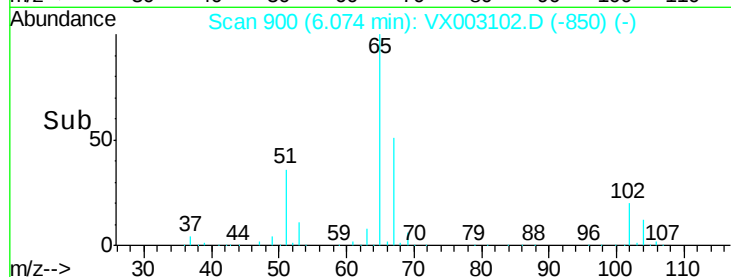
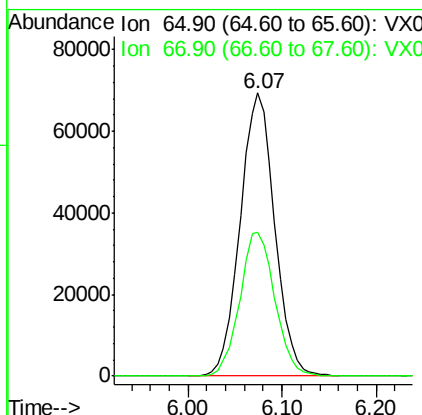
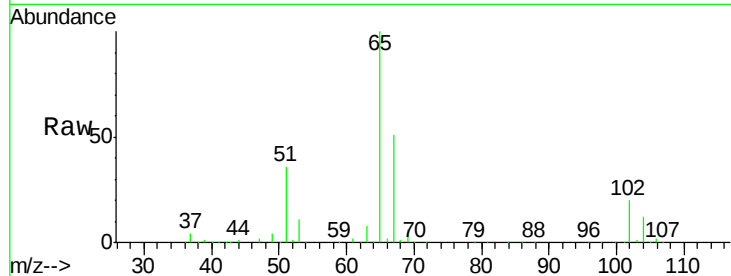




#33
 1,2-Dichloroethane-d4
 Concen: 45.95 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VX003102.D
 Acq: 01 Jul 2018 03:20

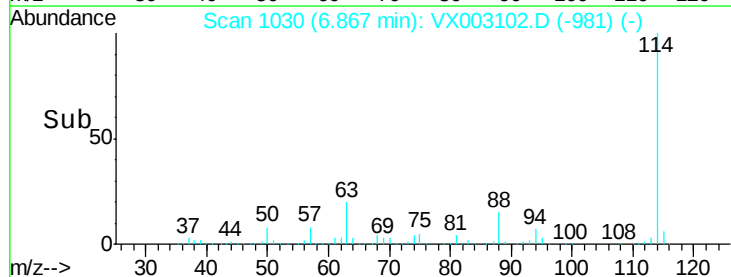
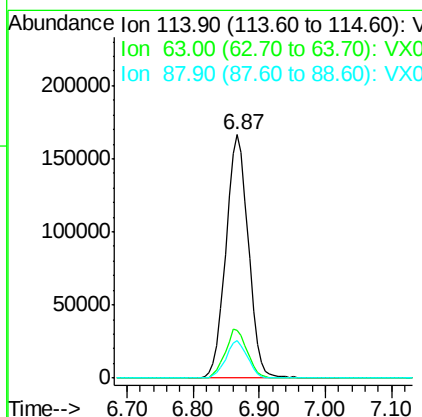
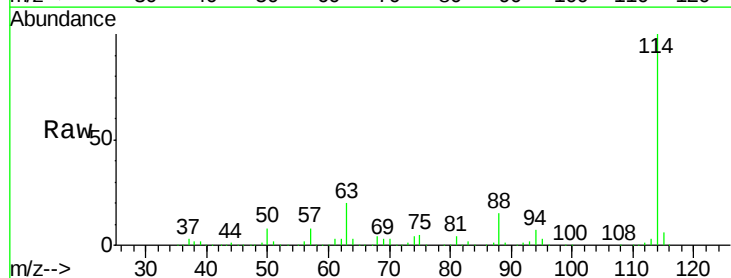
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-17

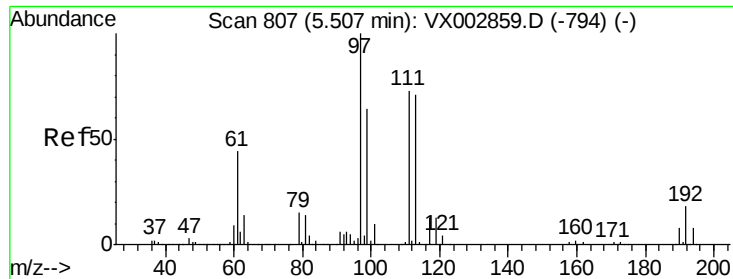
Tot Ion: 65 Resp: 178050
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX003102.D
 Acq: 01 Jul 2018 03:20

Tgt Ion: 114 Resp: 390590
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 41.4
 88 15.3 0.0 30.0

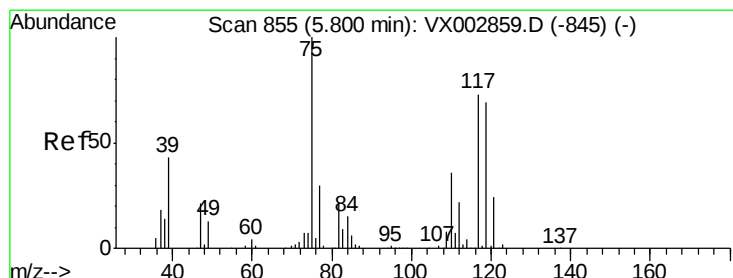
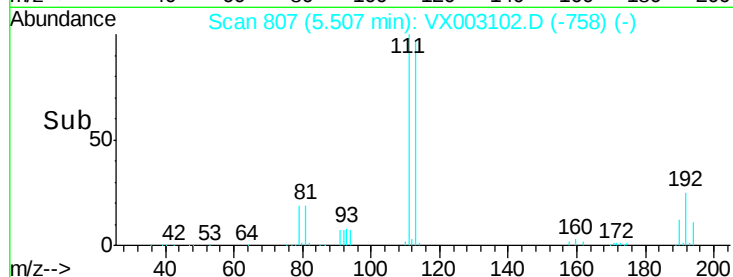
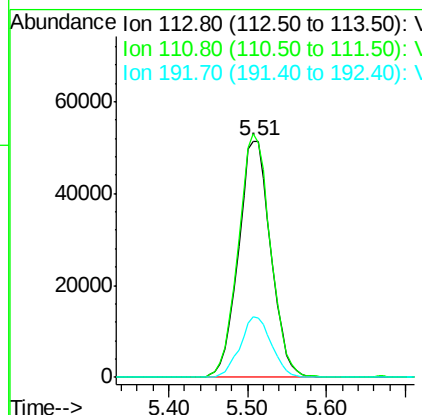
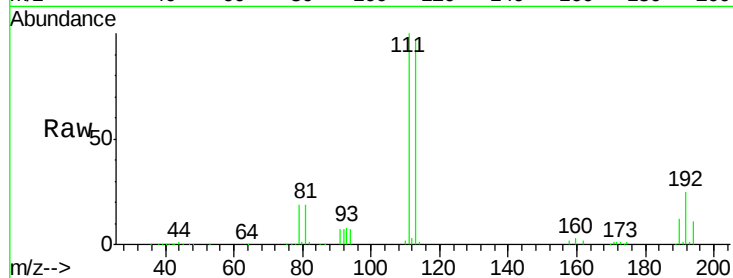




#35
 Dibromofluoromethane
 Concen: 47.40 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. -0.00 min
 Lab File: VX003102.D
 Acq: 01 Jul 2018 03:20

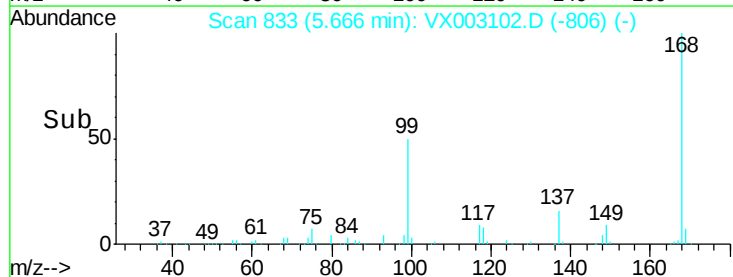
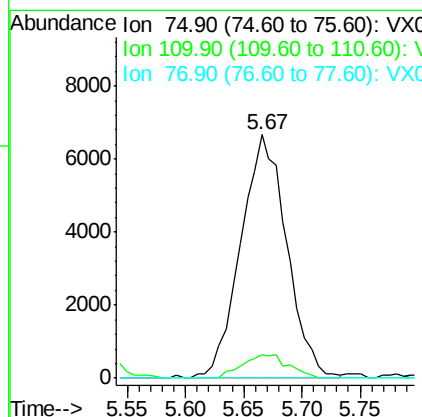
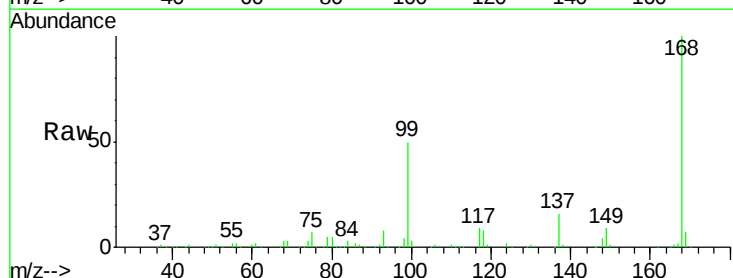
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-17

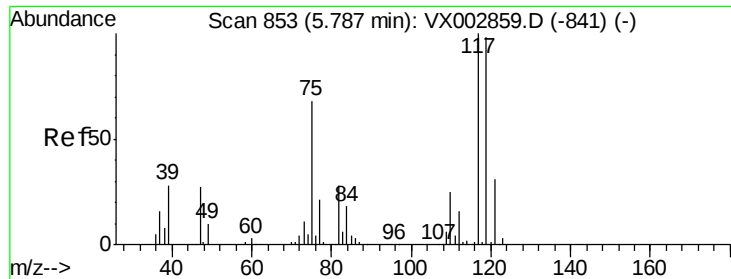
Tot Ion:113 Resp: 146618
 Ion Ratio Lower Upper
 113 100
 111 102.5 81.4 122.0
 192 24.9 19.1 28.7



#36
 1,1-Dichloropropene
 Concen: 4.29 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.13 min
 Lab File: VX003102.D
 Acq: 01 Jul 2018 03:20

Tgt Ion: 75 Resp: 18369
 Ion Ratio Lower Upper
 75 100
 110 9.5 18.1 54.4#
 77 0.0 24.3 36.5#





#38

Carbon Tetrachloride

Concen: 5.35 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX003102.D

Acq: 01 Jul 2018 03:20

Instrument :

MSVOA_X

ClientSampled :

MW-17

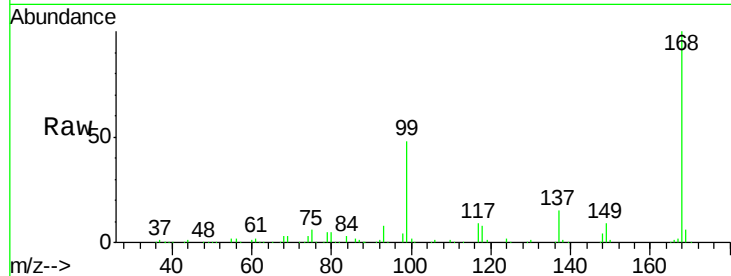
Tot Ion:117 Resp: 25168

Ion Ratio Lower Upper

117 100

119 5.5 77.4 116.0#

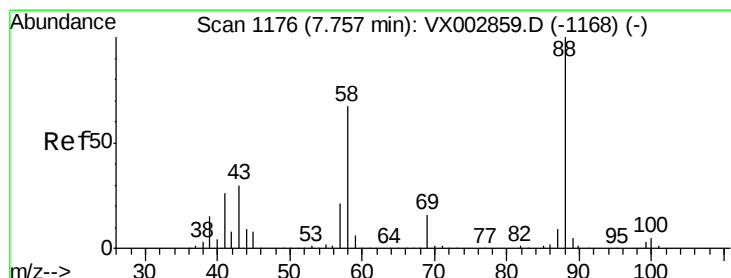
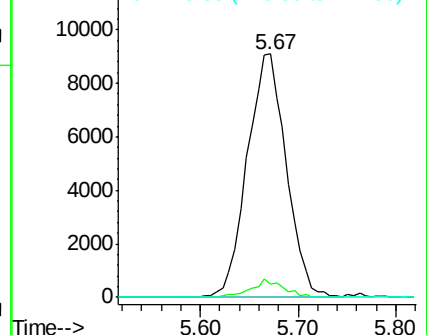
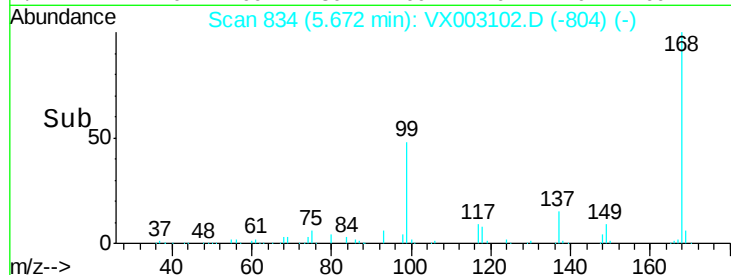
121 0.0 24.4 36.6#



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



#49

1,4-Dioxane

Concen: 0.26 ug/l

RT: 8.00 min Scan# 1216

Delta R.T. 0.24 min

Lab File: VX003102.D

Acq: 01 Jul 2018 03:20

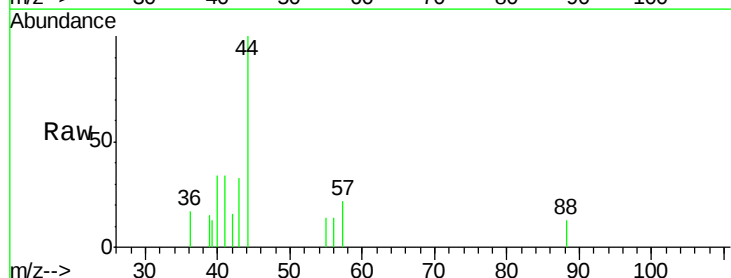
Tgt Ion: 88 Resp: 20

Ion Ratio Lower Upper

88 100

43 990.0 29.8 44.6#

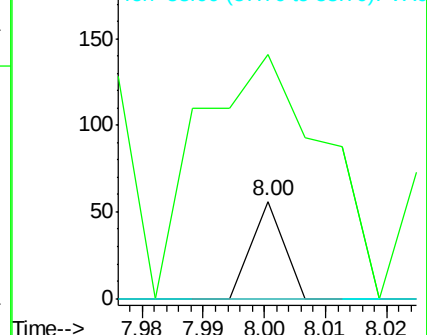
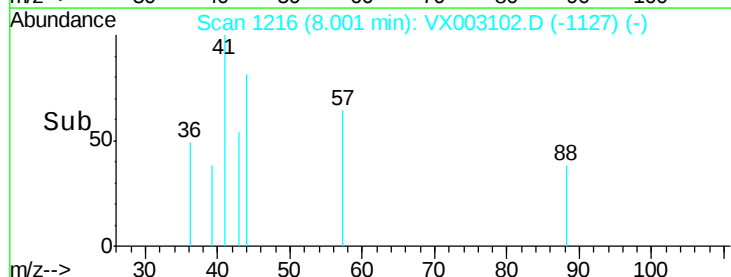
58 0.0 57.1 85.7#

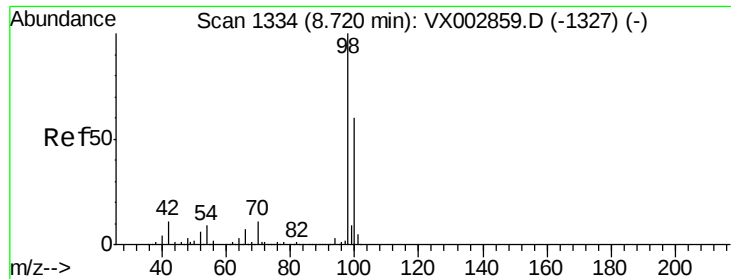


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

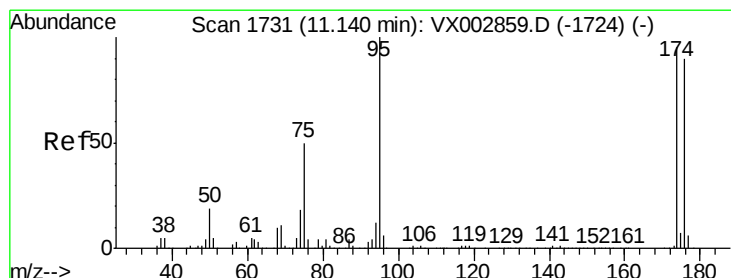
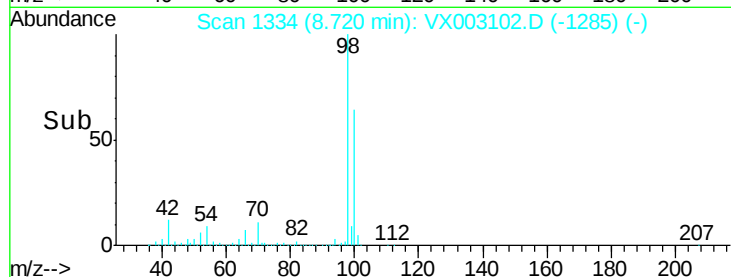
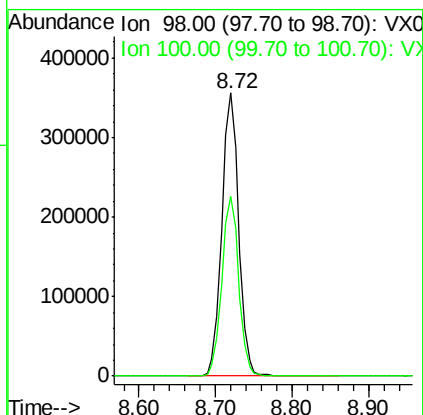
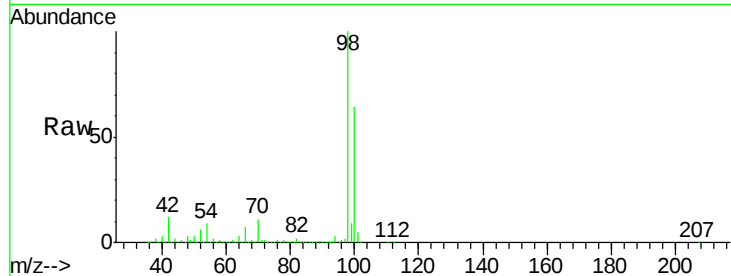




#50
Toluene-d8
Concen: 47.94 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003102.D
Acq: 01 Jul 2018 03:20

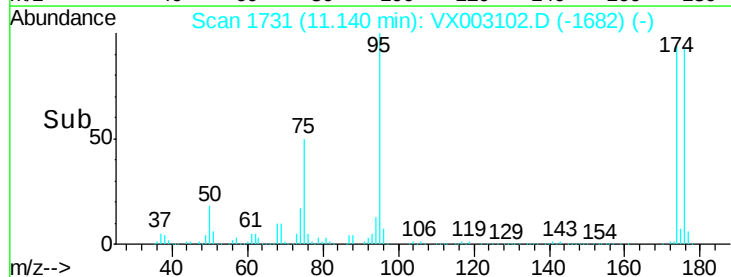
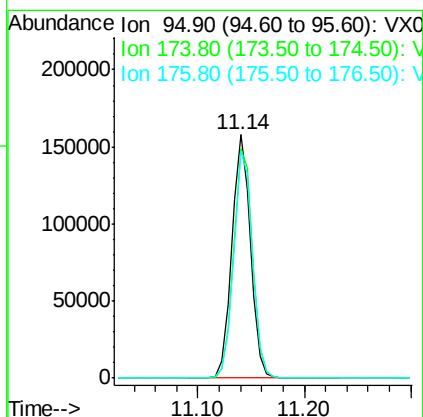
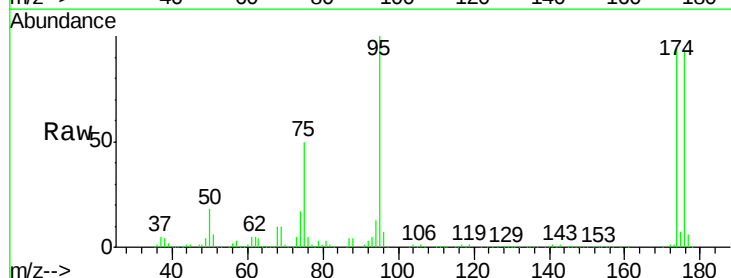
Instrument :
MSVOA_X
ClientSampleId :
MW-17

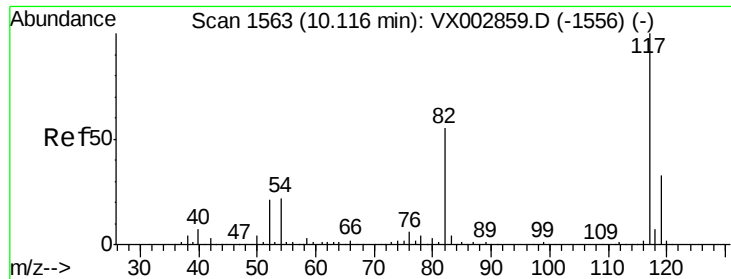
Tot Ion: 98 Resp: 541480
Ion Ratio Lower Upper
98 100
100 63.7 50.9 76.3



#62
4-Bromofluorobenzene
Concen: 44.37 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX003102.D
Acq: 01 Jul 2018 03:20

Tgt Ion: 95 Resp: 193279
Ion Ratio Lower Upper
95 100
174 96.9 0.0 187.4
176 94.1 0.0 181.0

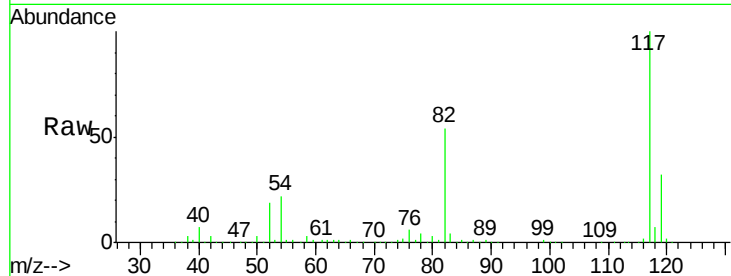




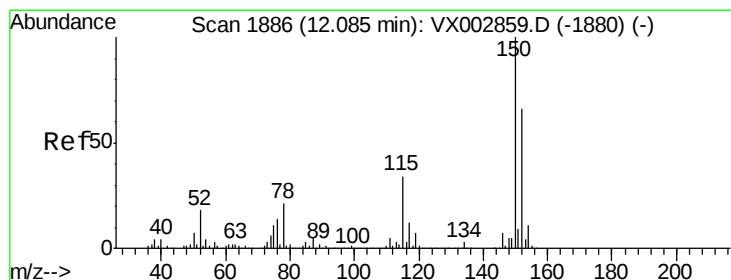
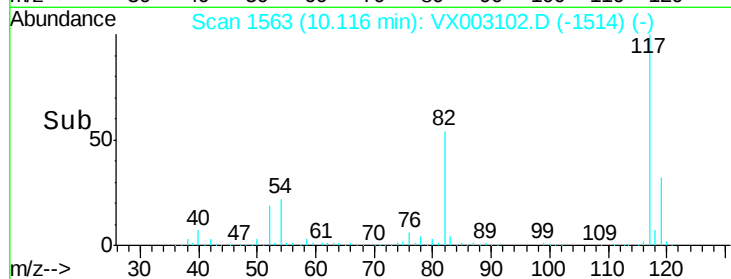
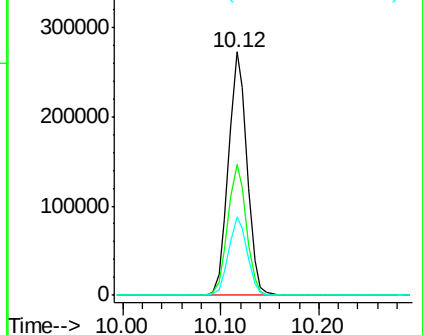
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX003102.D
Acq: 01 Jul 2018 03:20

Instrument :
MSVOA_X
ClientSampled :
MW-17

Tot Ion:117 Resp: 360245
Ion Ratio Lower Upper
117 100
82 53.6 45.0 67.4
119 32.4 25.8 38.6

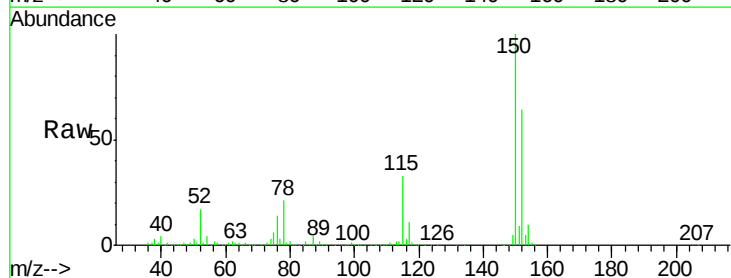


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

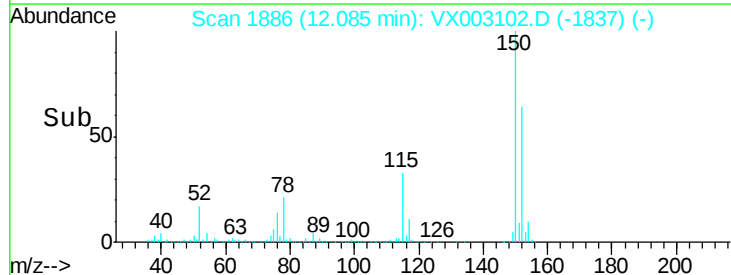
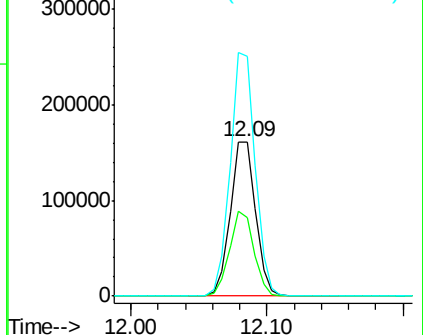


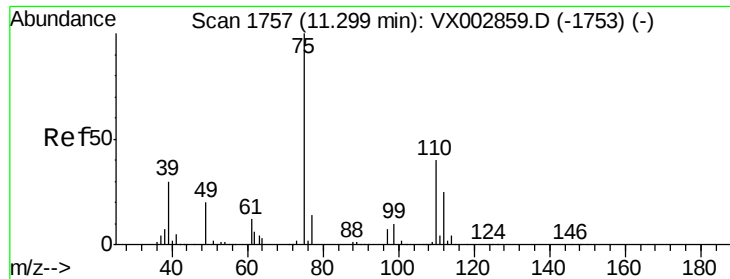
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX003102.D
Acq: 01 Jul 2018 03:20

Tgt Ion:152 Resp: 207859
Ion Ratio Lower Upper
152 100
115 53.2 40.1 120.2
150 156.3 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

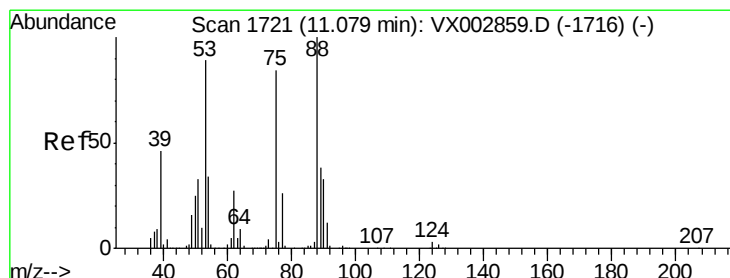
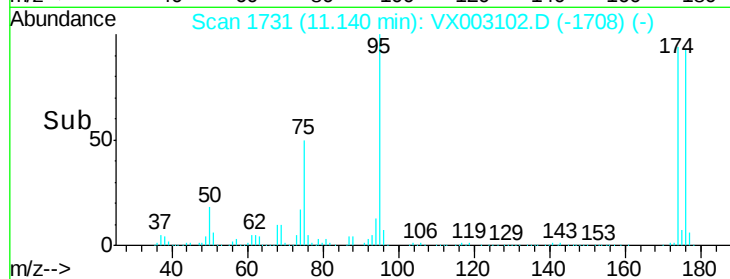
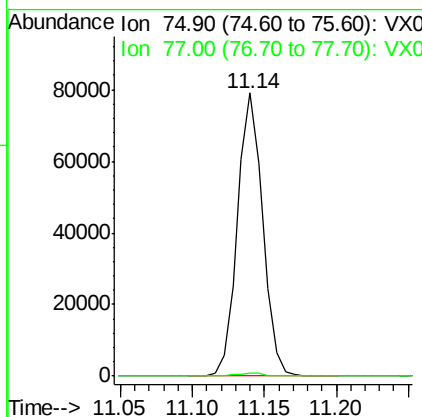
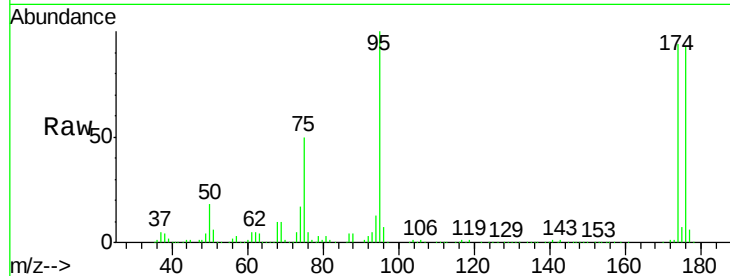




#76
 1,2,3-Trichloropropane
 Concen: 25.77 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX003102.D
 Acq: 01 Jul 2018 03:20

Instrument :
 MSVOA_X
 ClientSampled :
 MW-17

Tot Ion: 75 Resp: 97020
 Ion Ratio Lower Upper
 75 100
 77 1.2 22.8 68.3#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 73.10 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX003102.D
 Acq: 01 Jul 2018 03:20

Tgt Ion: 75 Resp: 97020
 Ion Ratio Lower Upper
 75 100
 53 0.2 86.8 130.2#
 89 0.0 38.2 57.2#

