

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX063018\
 Data File : VX003111.D
 Acq On : 01 Jul 2018 07:19
 Operator : JC/MD
 Sample : J3799-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-18

Quant Time: Jul 02 04:59:16 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	280606	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	396609	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	368011	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	213112	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	184045	47.45	ug/l	0.00
Spiked Amount			Recovery	=	94.90%	
35) Dibromofluoromethane	5.51	113	151904	48.37	ug/l	0.00
Spiked Amount			Recovery	=	96.74%	
50) Toluene-d8	8.72	98	554648	48.36	ug/l	0.00
Spiked Amount			Recovery	=	96.72%	
62) 4-Bromofluorobenzene	11.14	95	197535	44.66	ug/l	0.00
Spiked Amount			Recovery	=	89.32%	

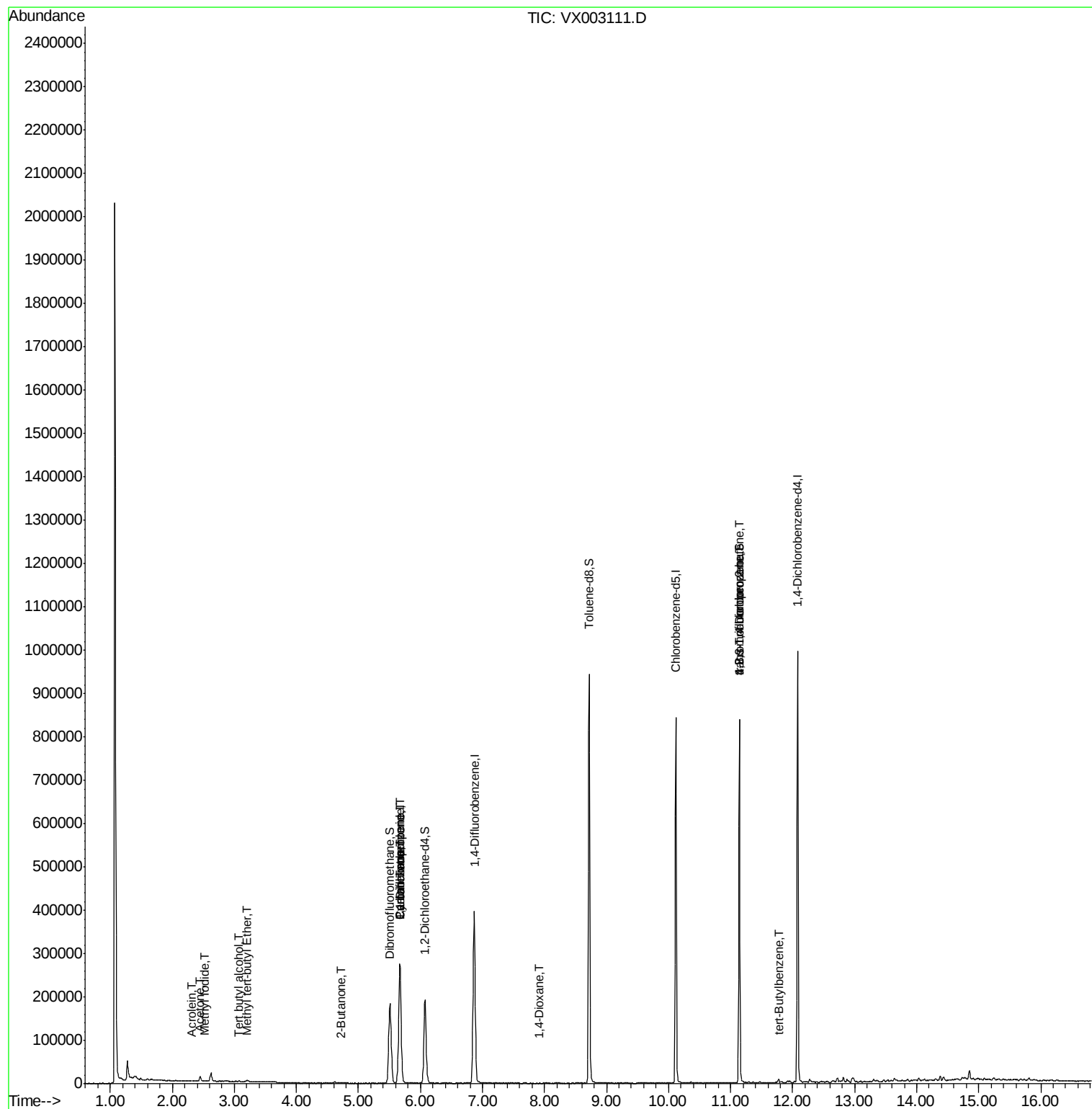
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	793	Below Cal		95
5) Bromomethane	1.65	94	1905	Below Cal	#	68
6) Chloroethane	1.73	64	454	Below Cal	#	43
10) Methyl Iodide	2.52	142	1416	6.62	ug/l	# 90
11) Tert butyl alcohol	3.07	59	1666	2.16	ug/l	# 83
13) Acrolein	2.31	56	157	4.59	ug/l	# 1
16) Acetone	2.45	43	10588	6.59	ug/l	96
19) Methyl tert-butyl Ether	3.21	73	3504	0.35	ug/l	99
25) 2-Butanone	4.71	43	812	0.34	ug/l	# 62
31) Cyclohexane	5.67	56	5407	1.11	ug/l	# 1
36) 1,1-Dichloropropene	5.67	75	18408	4.23	ug/l	# 51
38) Carbon Tetrachloride	5.67	117	25970	5.44	ug/l	# 15
49) 1,4-Dioxane	7.92	88	20	0.25	ug/l	# 1
76) 1,2,3-Trichloropropane	11.14	75	100500	26.03	ug/l	# 33
81) trans-1,4-Dichloro-2-buten	11.14	75	100500	73.82	ug/l	# 7
83) tert-Butylbenzene	11.77	119	2688	0.23	ug/l	92

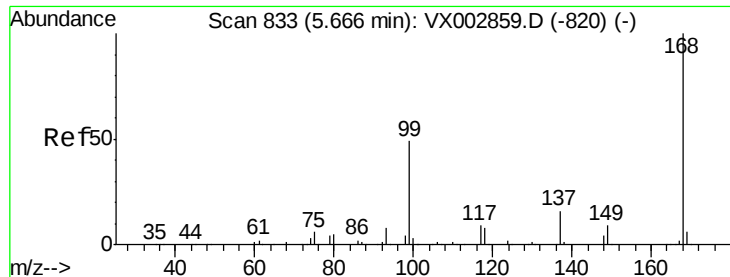
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX003111.D

Acq: 01 Jul 2018 07:19

Instrument :

MSVOA_X

ClientSampleId :

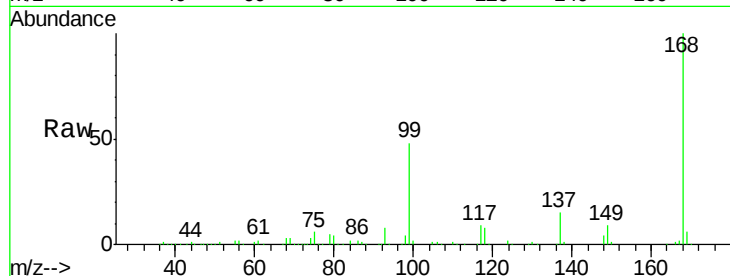
MW-18

Tot Ion:168 Resp: 280606

Ion Ratio Lower Upper

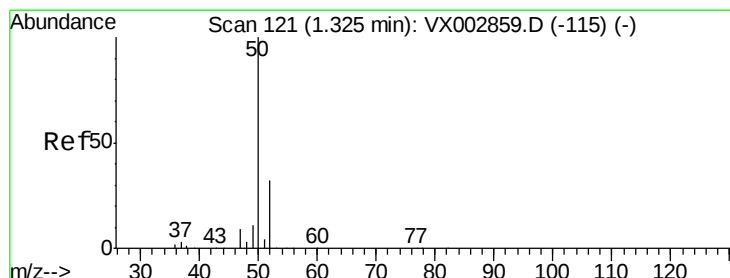
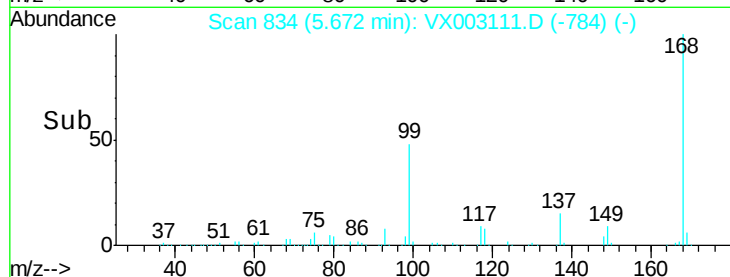
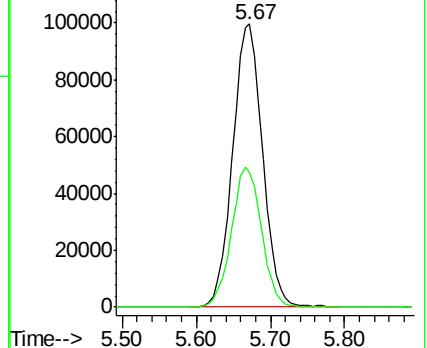
168 100

99 47.5 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: Below Cal

RT: 1.33 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX003111.D

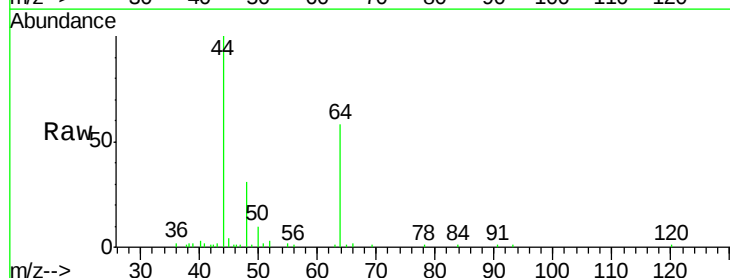
Acq: 01 Jul 2018 07:19

Tgt Ion: 50 Resp: 793

Ion Ratio Lower Upper

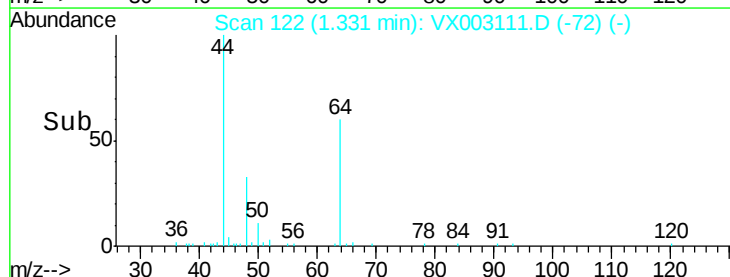
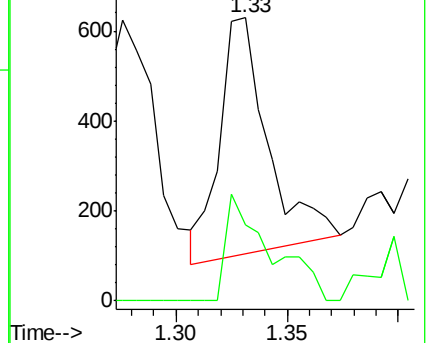
50 100

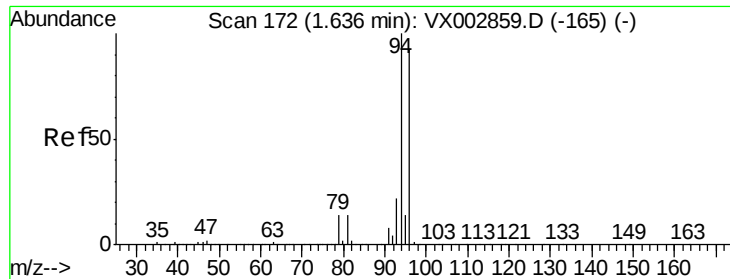
52 35.1 25.7 38.5



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: VX003111.D

Acq: 01 Jul 2018 07:19

Instrument :

MSVOA_X

ClientSampled :

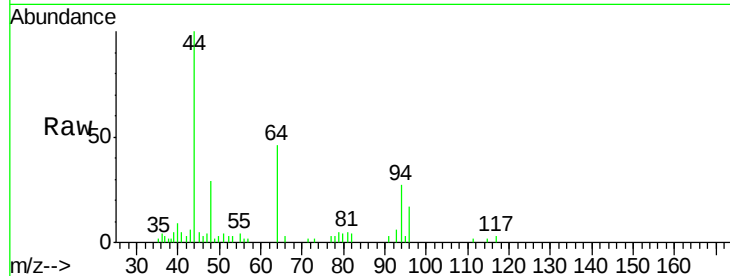
MW-18

Tot Ion: 94 Resp: 1905

Ion Ratio Lower Upper

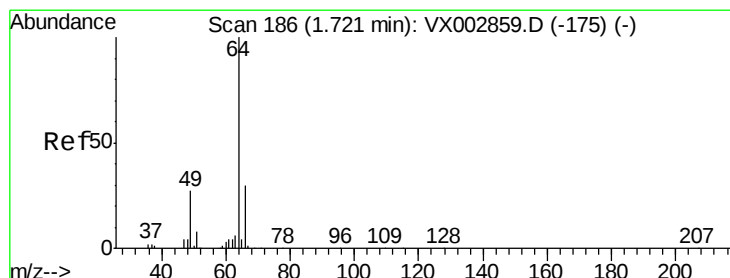
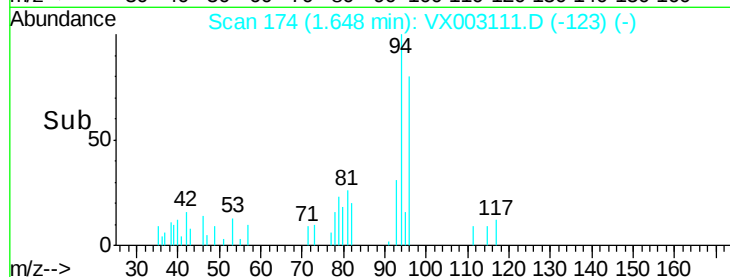
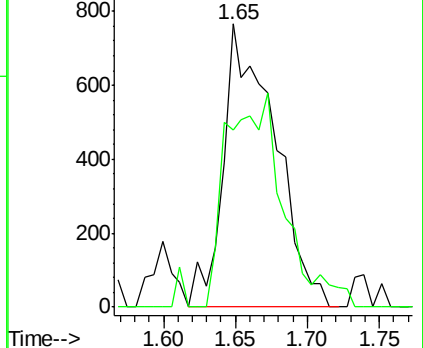
94 100

96 62.4 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: 1.73 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX003111.D

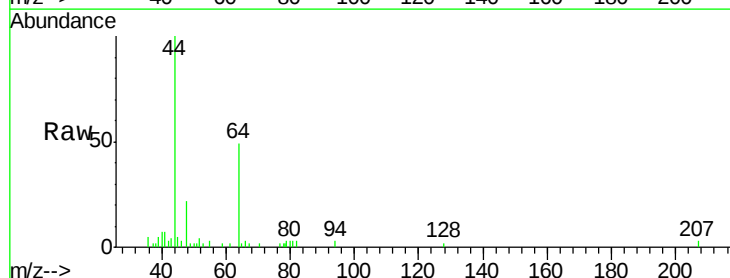
Acq: 01 Jul 2018 07:19

Tgt Ion: 64 Resp: 454

Ion Ratio Lower Upper

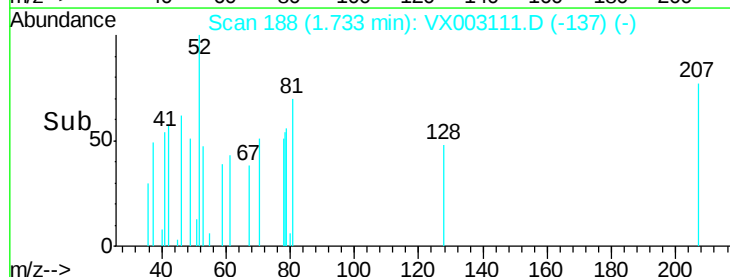
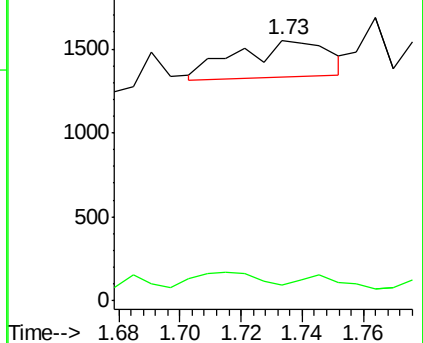
64 100

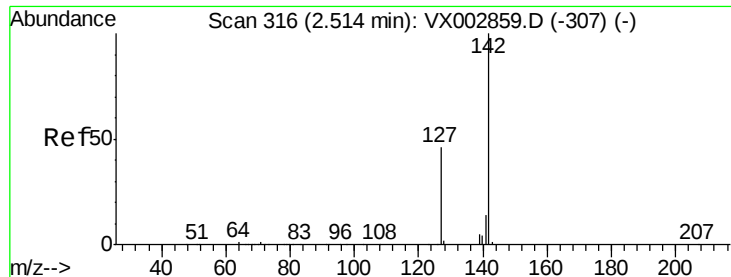
66 0.0 25.5 38.3#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

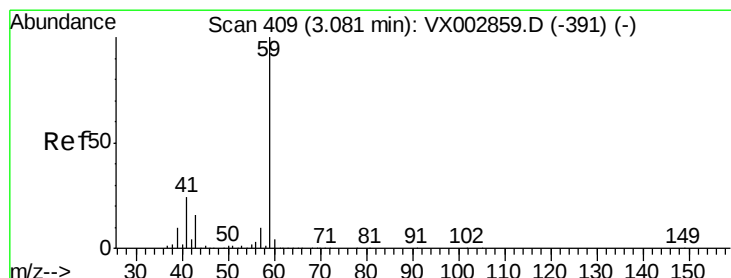
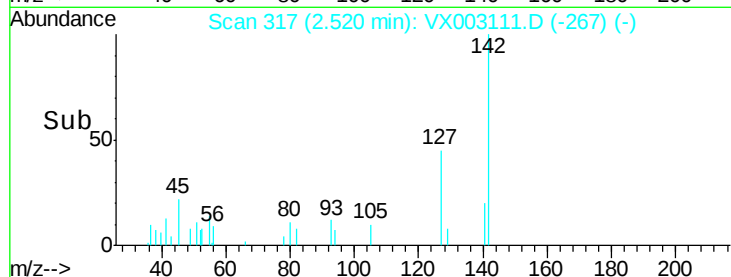
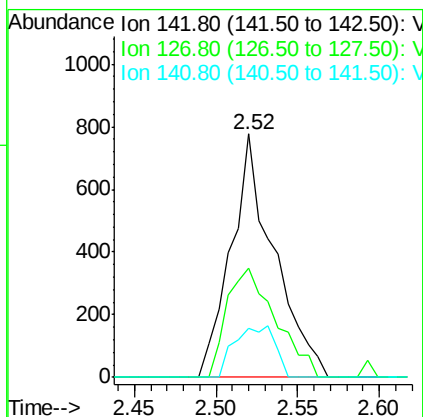
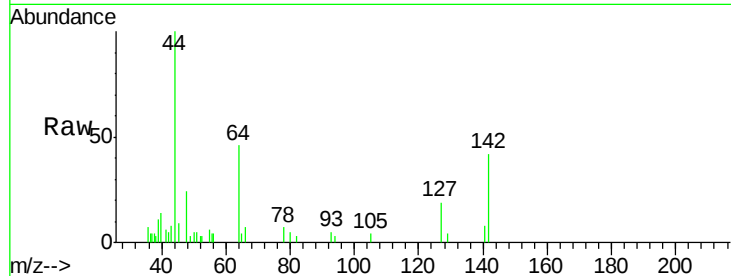




#10
Methyl Iodide
Concen: 6.62 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX003111.D
Acq: 01 Jul 2018 07:19

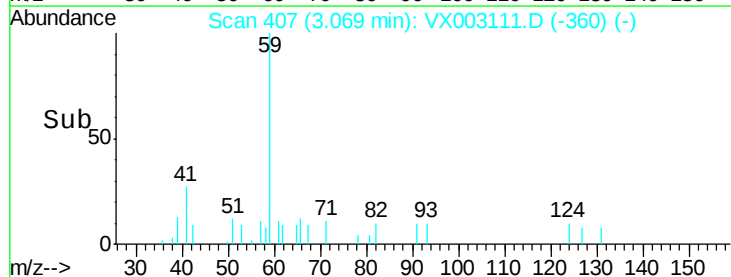
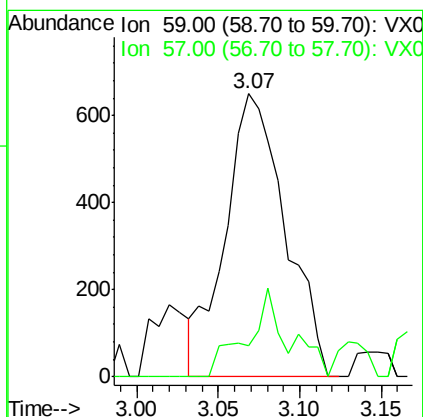
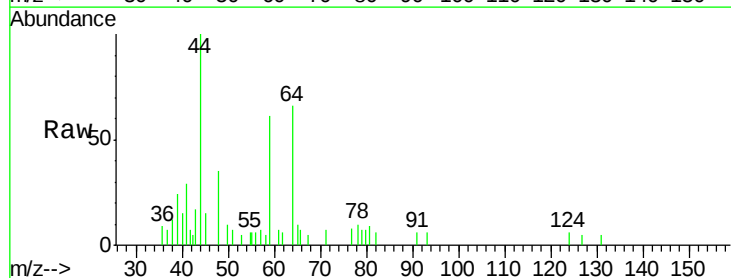
Instrument :
MSVOA_X
ClientSampled :
MW-18

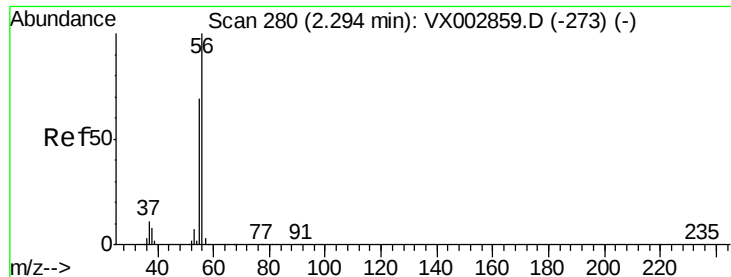
Tot Ion:142 Resp: 1416
Ion Ratio Lower Upper
142 100
127 51.2 36.6 55.0
141 20.0 11.3 16.9#



#11
Tert butyl alcohol
Concen: 2.16 ug/l
RT: 3.07 min Scan# 407
Delta R.T. -0.01 min
Lab File: VX003111.D
Acq: 01 Jul 2018 07:19

Tgt Ion: 59 Resp: 1666
Ion Ratio Lower Upper
59 100
57 16.7 8.2 12.2#





#13

Acrolein

Concen: 4.59 ug/l

RT: 2.31 min Scan# 282

Delta R.T. 0.01 min

Lab File: VX003111.D

Acq: 01 Jul 2018 07:19

Instrument :

MSVOA_X

ClientSampled :

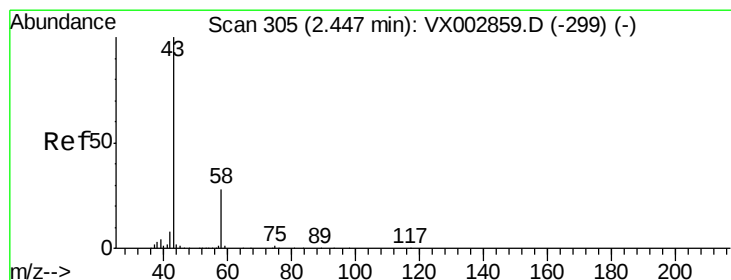
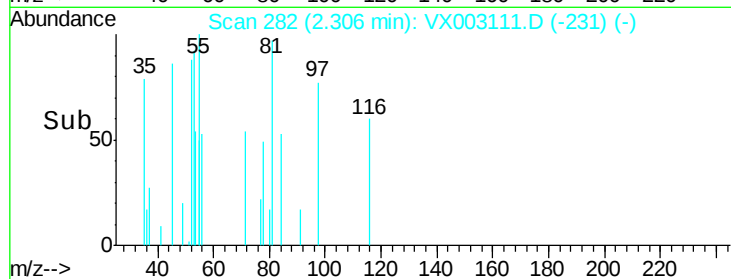
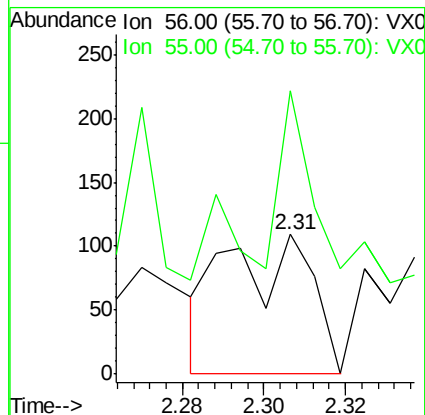
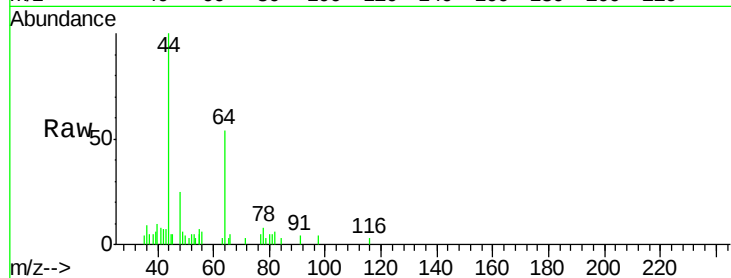
MW-18

Tot Ion: 56 Resp: 157

Ion Ratio Lower Upper

56 100

55 249.0 57.0 85.4#



#16

Acetone

Concen: 6.59 ug/l

RT: 2.45 min Scan# 305

Delta R.T. 0.00 min

Lab File: VX003111.D

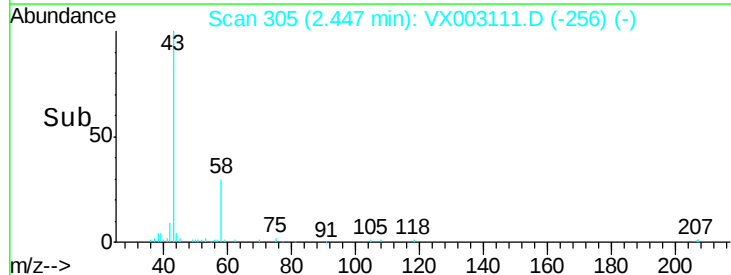
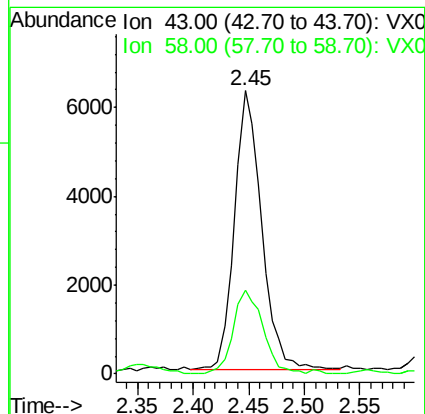
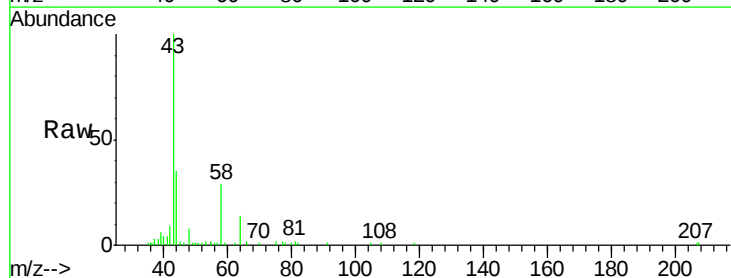
Acq: 01 Jul 2018 07:19

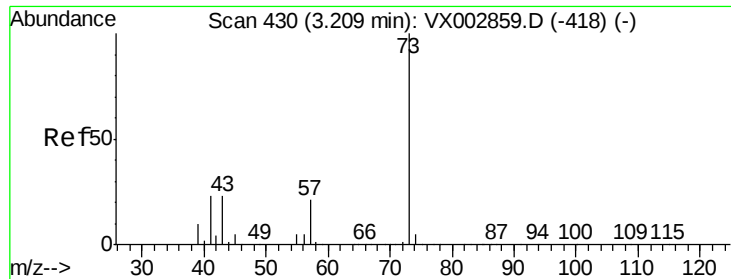
Tgt Ion: 43 Resp: 10588

Ion Ratio Lower Upper

43 100

58 29.9 22.1 33.1

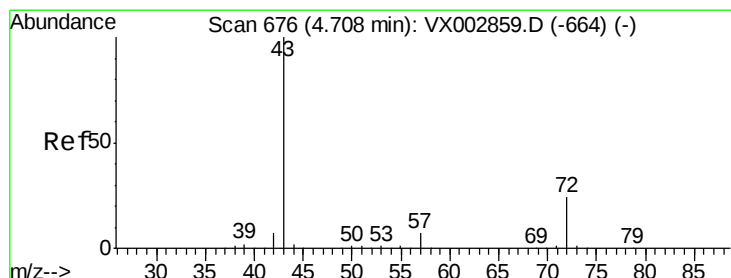
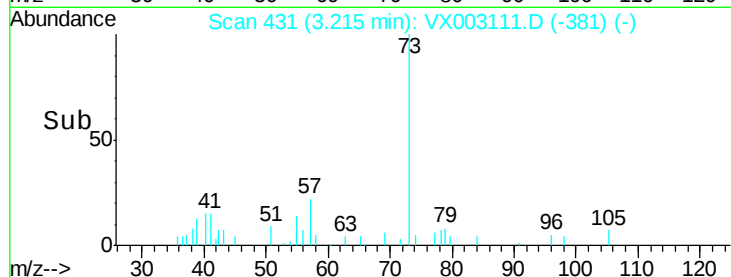
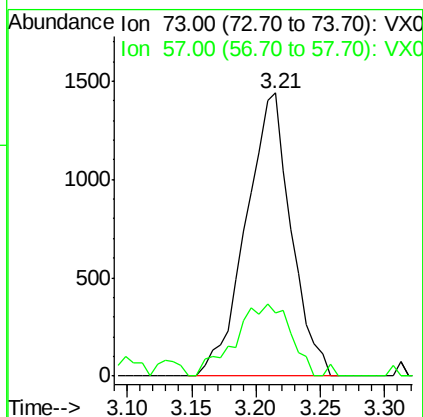
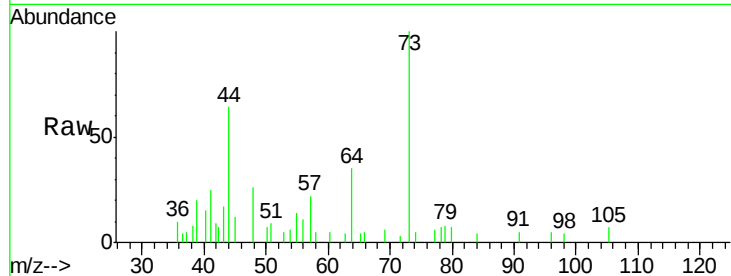




#19
Methvl tert-butvl Ether
Concen: 0.35 ug/l
RT: 3.21 min Scan# 431
Delta R.T. 0.01 min
Lab File: VX003111.D
Acq: 01 Jul 2018 07:19

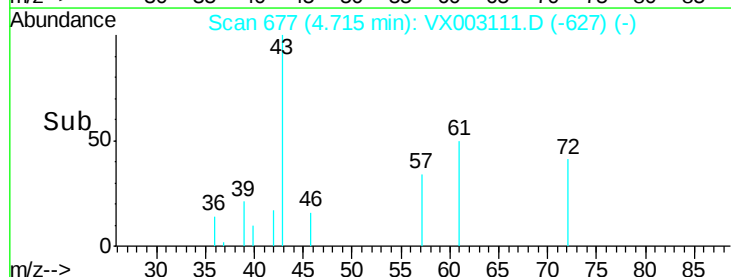
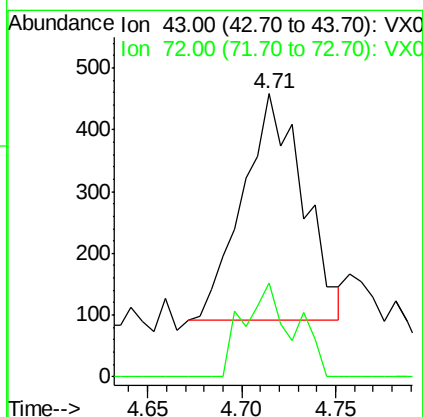
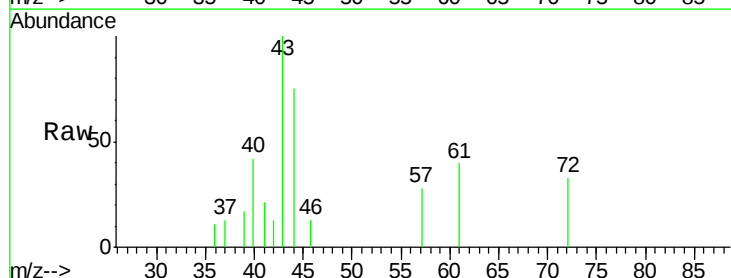
Instrument :
MSVOA_X
ClientSampleId :
MW-18

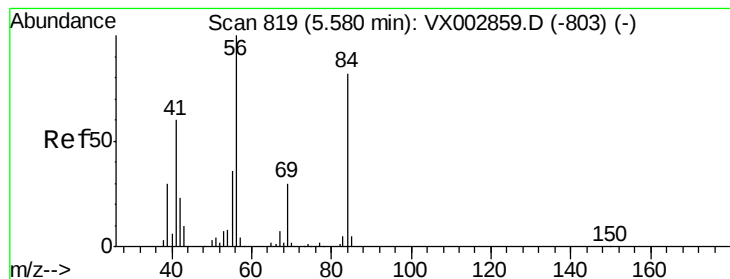
Tot Ion: 73 Resp: 3504
Ion Ratio Lower Upper
73 100
57 22.4 17.7 26.5



#25
2-Butanone
Concen: 0.34 ug/l
RT: 4.71 min Scan# 677
Delta R.T. 0.01 min
Lab File: VX003111.D
Acq: 01 Jul 2018 07:19

Tgt Ion: 43 Resp: 812
Ion Ratio Lower Upper
43 100
72 41.5 18.5 27.7#





#31

Cyclohexane

Concen: 1.11 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.09 min

Lab File: VX003111.D

Acq: 01 Jul 2018 07:19

Instrument :

MSVOA_X

ClientSampleId :

MW-18

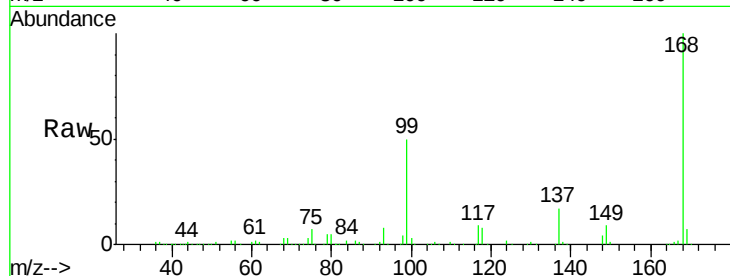
Tot Ion: 56 Resp: 5407

Ion Ratio Lower Upper

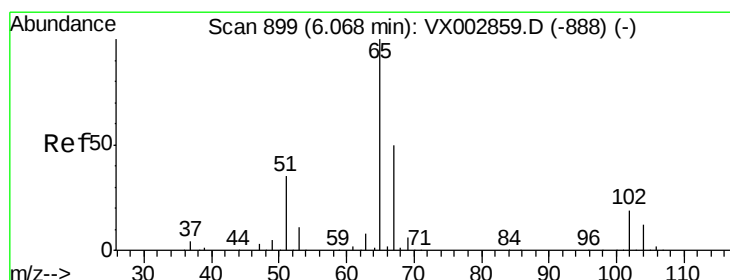
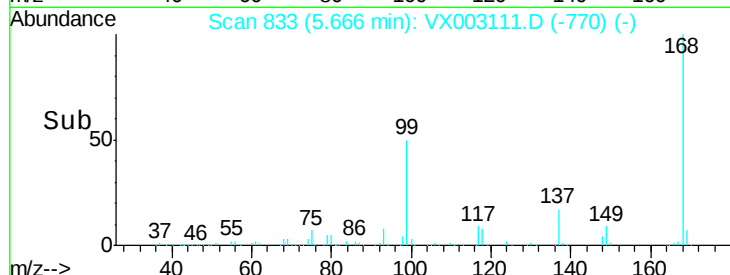
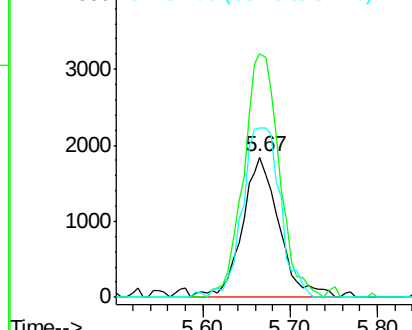
56 100

69 173.2 23.7 35.5#

84 120.7 64.1 96.1#



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 47.45 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.01 min

Lab File: VX003111.D

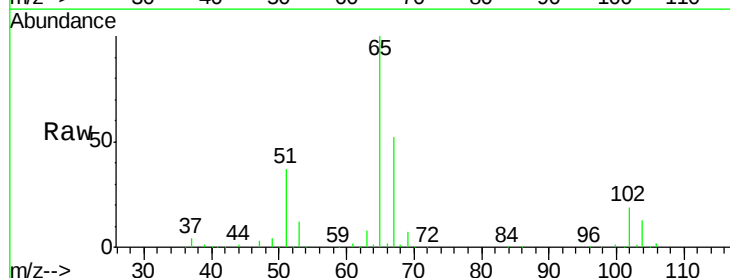
Acq: 01 Jul 2018 07:19

Tgt Ion: 65 Resp: 184045

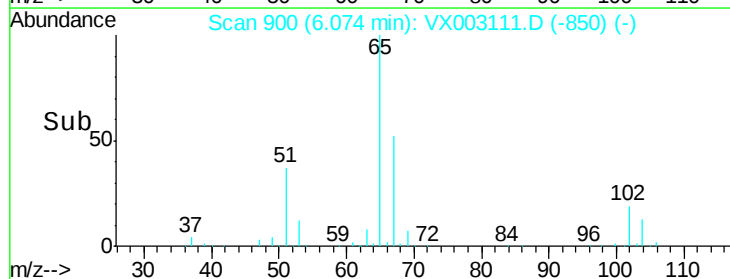
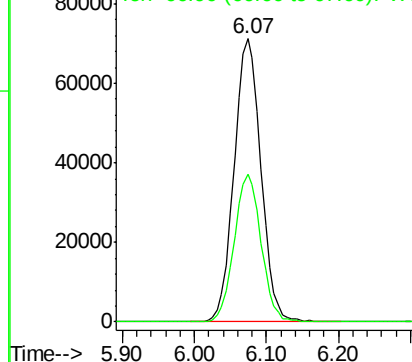
Ion Ratio Lower Upper

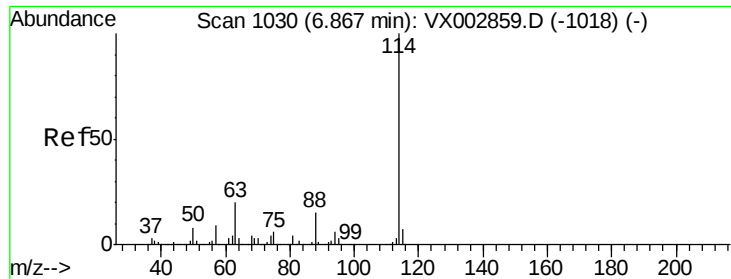
65 100

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

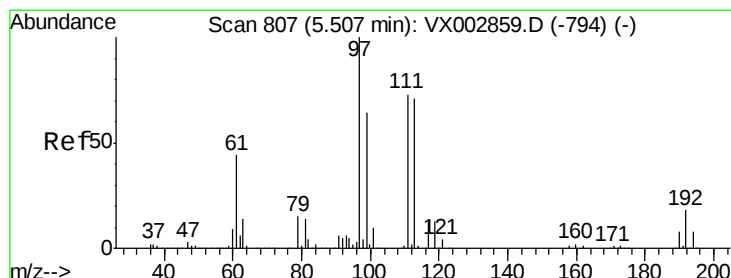
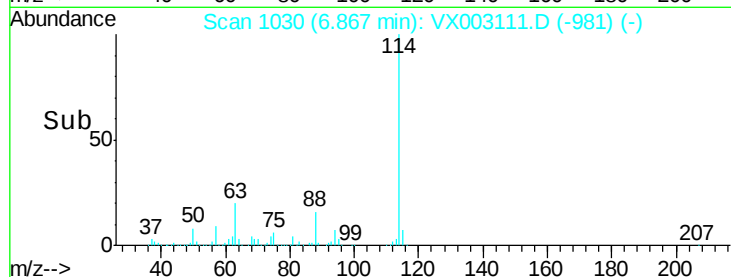
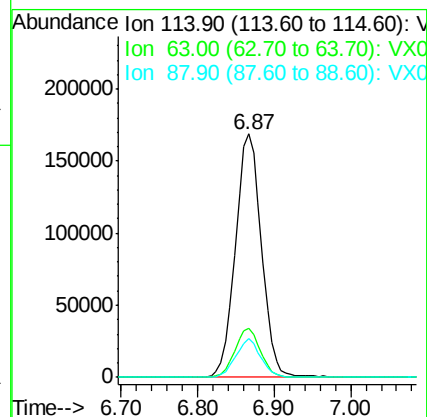
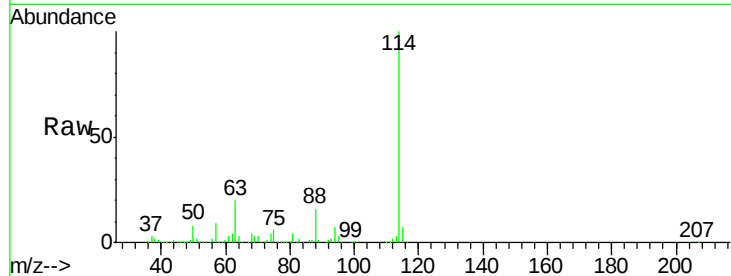




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX003111.D
 Acq: 01 Jul 2018 07:19

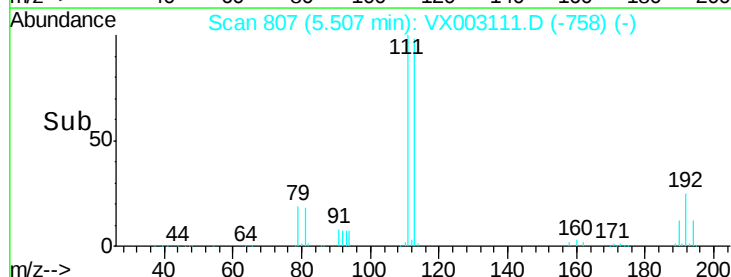
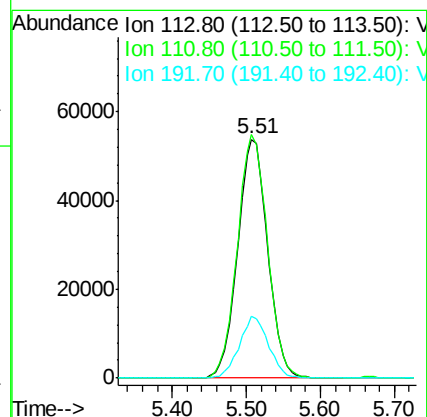
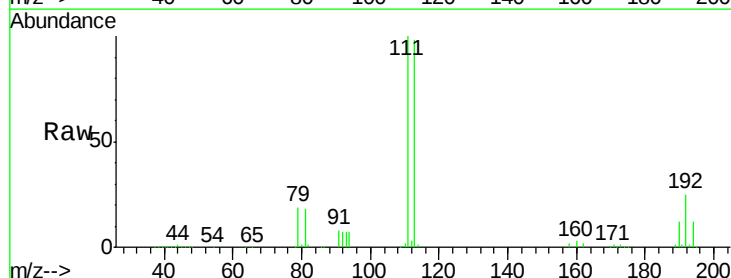
Instrument :
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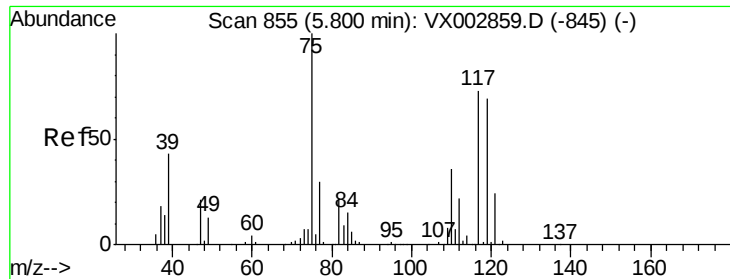
Tot Ion	Ratio	Lower	Upper
114	100		
63	19.9	0.0	41.4
88	15.8	0.0	30.0



#35
 Dibromofluoromethane
 Concen: 48.37 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.00 min
 Lab File: VX003111.D
 Acq: 01 Jul 2018 07:19

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.3	81.4	122.0
192	25.1	19.1	28.7

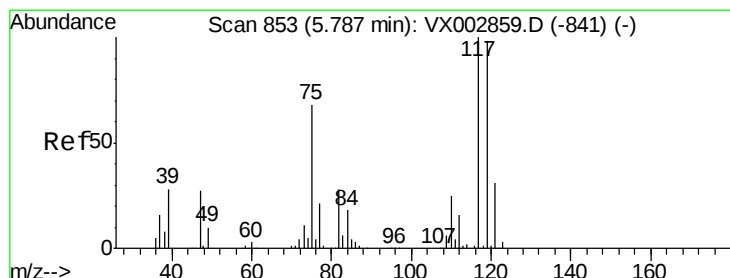
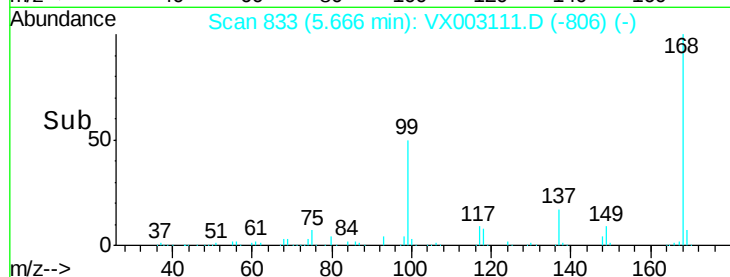
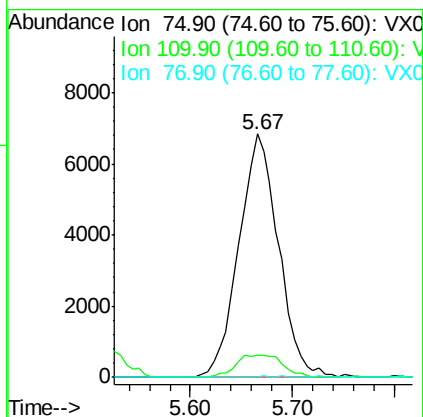
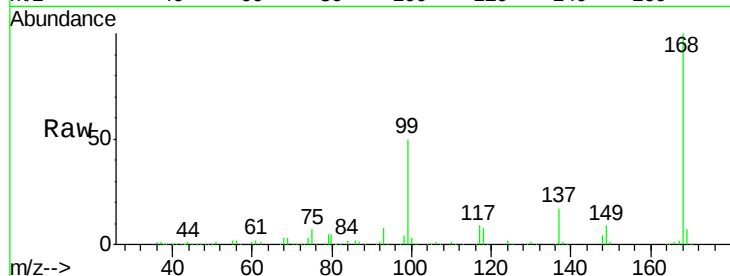




#36
 1,1-Dichloropropene
 Concen: 4.23 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.13 min
 Lab File: VX003111.D
 Acq: 01 Jul 2018 07:19

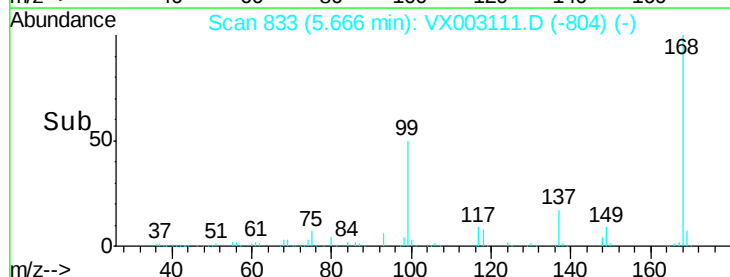
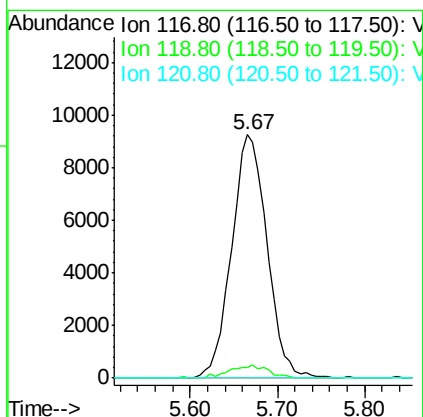
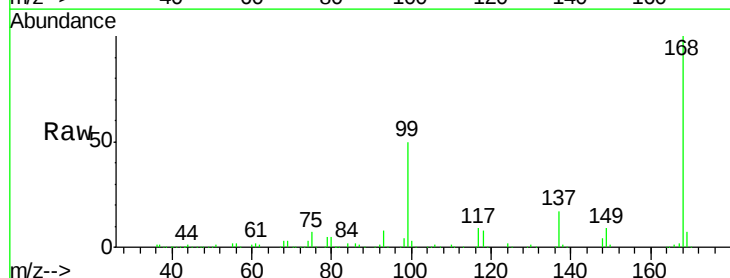
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-18

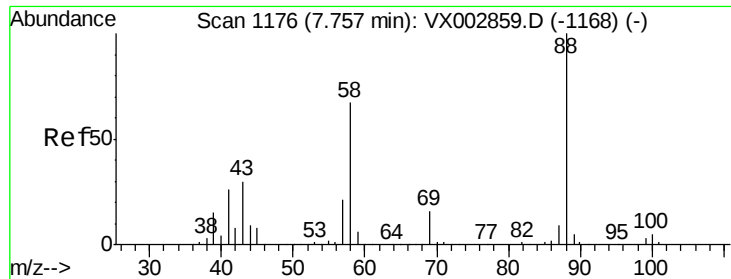
Tot Ion: 75 Resp: 18408
 Ion Ratio Lower Upper
 75 100
 110 10.9 18.1 54.4#
 77 0.1 24.3 36.5#



#38
 Carbon Tetrachloride
 Concen: 5.44 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.12 min
 Lab File: VX003111.D
 Acq: 01 Jul 2018 07:19

Tgt Ion: 117 Resp: 25970
 Ion Ratio Lower Upper
 117 100
 119 4.4 77.4 116.0#
 121 0.0 24.4 36.6#





#49

1,4-Dioxane

Concen: 0.25 ug/l

RT: 7.92 min Scan# 1203

Delta R.T. 0.16 min

Lab File: VX003111.D

Acq: 01 Jul 2018 07:19

Instrument :

MSVOA_X

ClientSampled :

MW-18

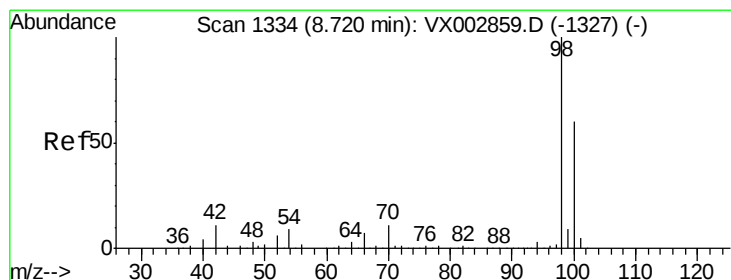
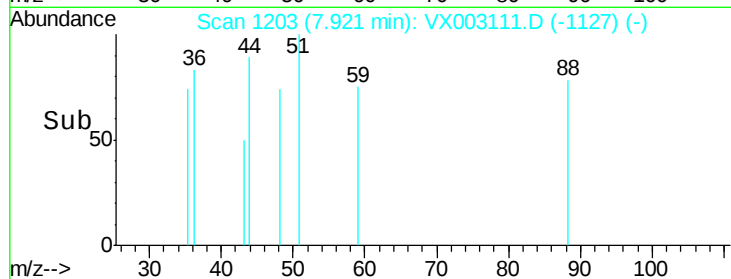
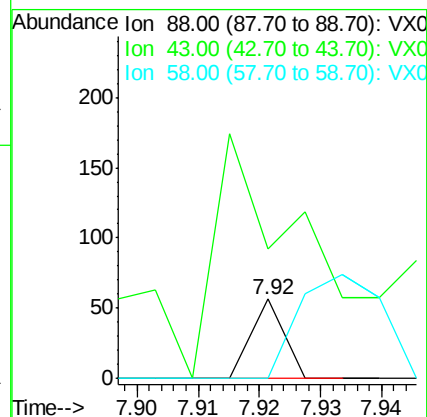
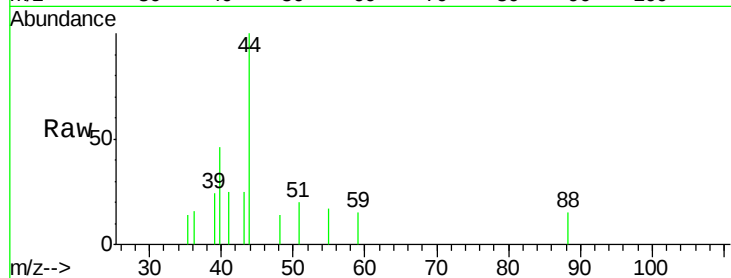
Tot Ion: 88 Resp: 20

Ion Ratio Lower Upper

88 100

43 1285.0 29.8 44.6#

58 350.0 57.1 85.7#



#50

Toluene-d8

Concen: 48.36 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX003111.D

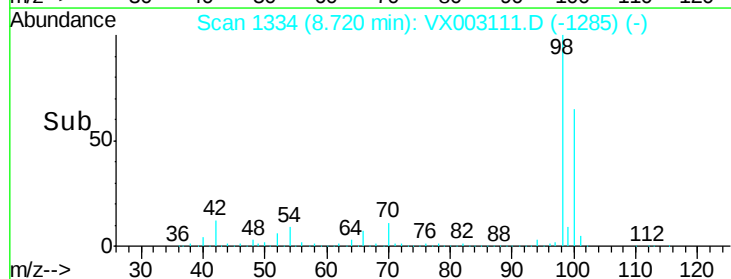
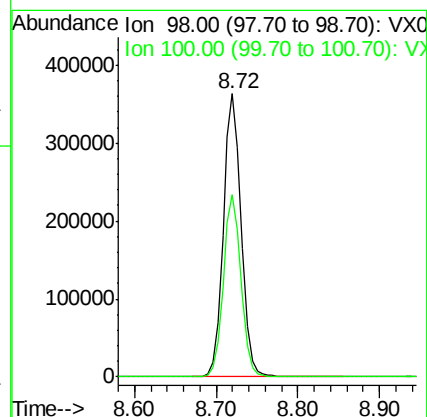
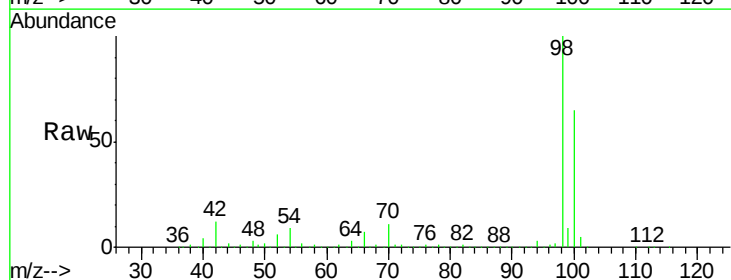
Acq: 01 Jul 2018 07:19

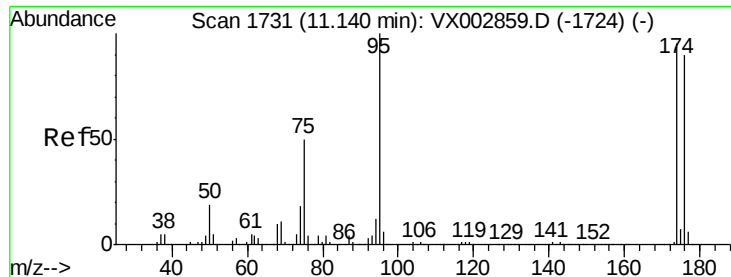
Tgt Ion: 98 Resp: 554648

Ion Ratio Lower Upper

98 100

100 63.8 50.9 76.3





#62

4-Bromofluorobenzene

Concen: 44.66 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003111.D

Acq: 01 Jul 2018 07:19

Instrument :

MSVOA_X

ClientSampled :

MW-18

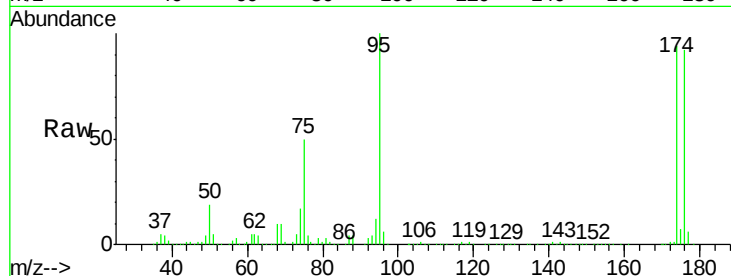
Tot Ion: 95 Resp: 197535

Ion Ratio Lower Upper

95 100

174 97.9 0.0 187.4

176 95.0 0.0 181.0



Abundance Ion 94.90 (94.60 to 95.60): VX002859.D (-1724) (-)

Ion 173.80 (173.50 to 174.50): VX002859.D (-1724) (-)

Ion 175.80 (175.50 to 176.50): VX002859.D (-1724) (-)

11.14

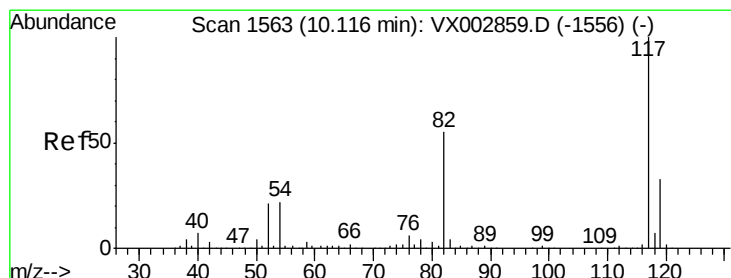
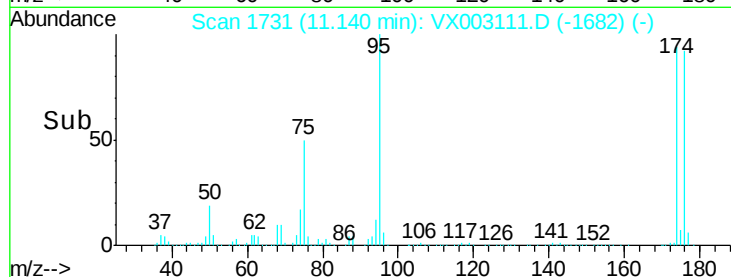
150000

100000

50000

0

Time-->



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VX003111.D

Acq: 01 Jul 2018 07:19

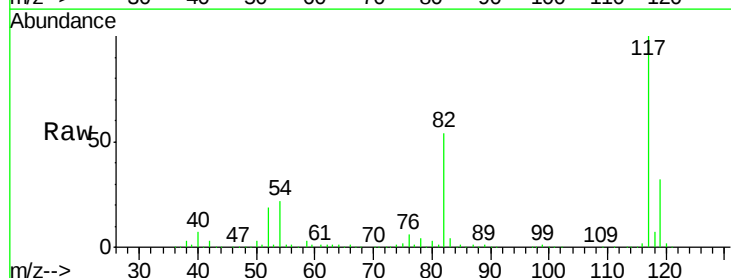
Tgt Ion: 117 Resp: 368011

Ion Ratio Lower Upper

117 100

82 53.7 45.0 67.4

119 32.2 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): VX002859.D (-1556) (-)

Ion 82.00 (81.70 to 82.70): VX002859.D (-1556) (-)

Ion 118.90 (118.60 to 119.60): VX002859.D (-1556) (-)

10.12

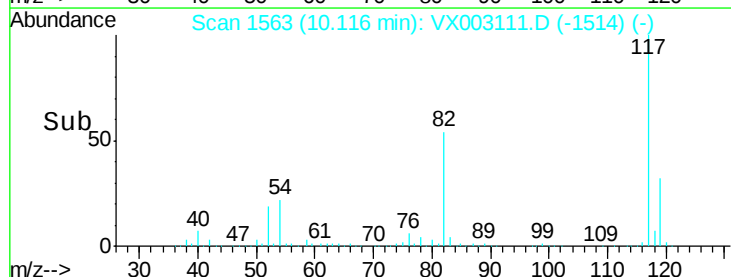
300000

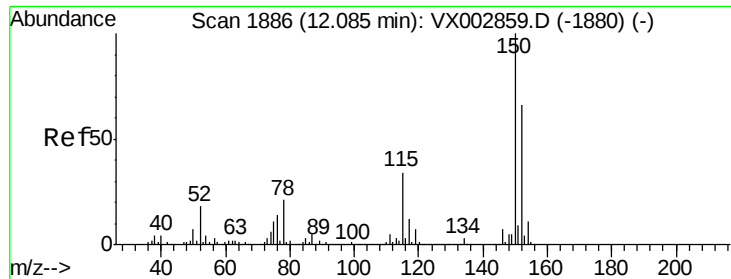
200000

100000

0

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VX003111.D

Acq: 01 Jul 2018 07:19

Instrument :

MSVOA_X

ClientSampleId :

MW-18

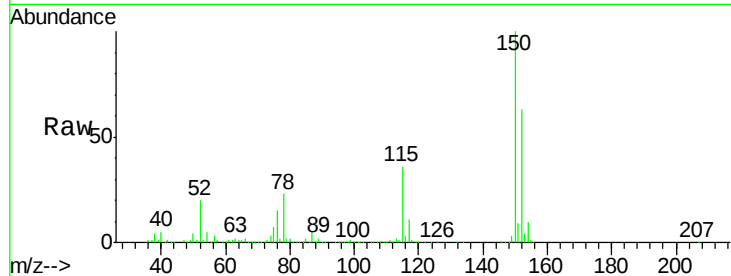
Tot Ion:152 Resp: 213112

Ion Ratio Lower Upper

152 100

115 54.4 40.1 120.2

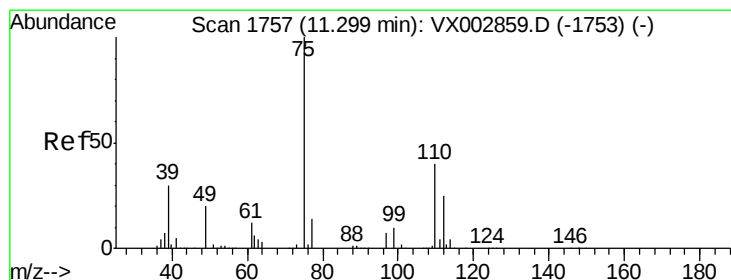
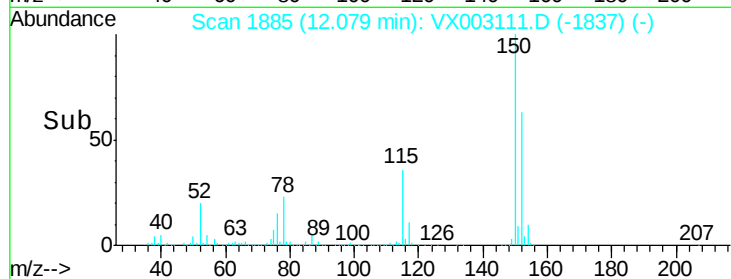
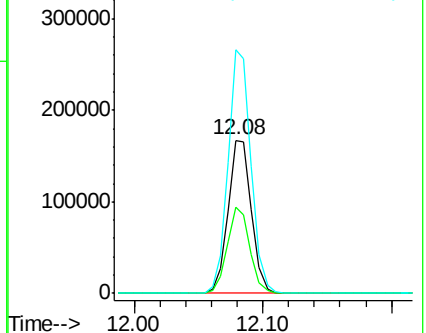
150 156.0 0.0 347.2



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: 26.03 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX003111.D

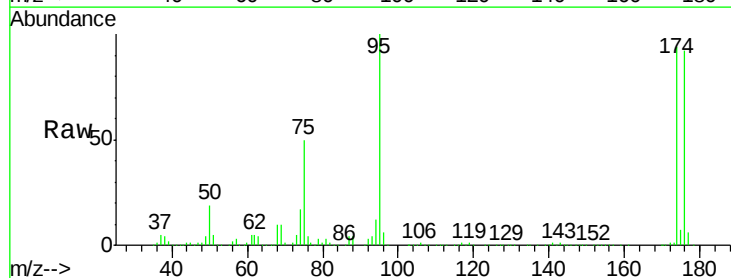
Acq: 01 Jul 2018 07:19

Tgt Ion: 75 Resp: 100500

Ion Ratio Lower Upper

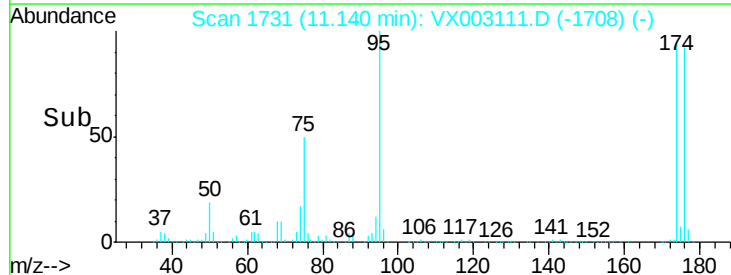
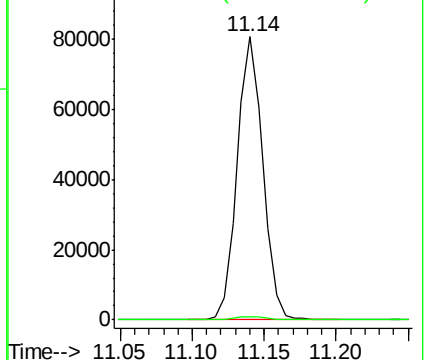
75 100

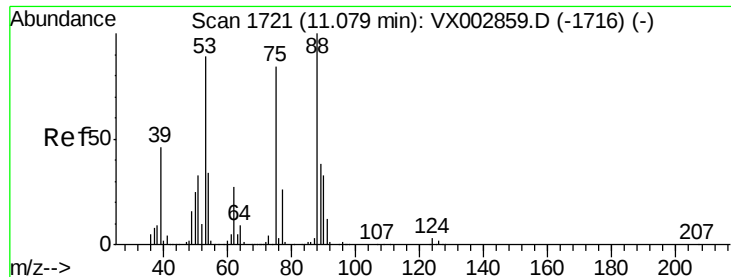
77 1.5 22.8 68.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

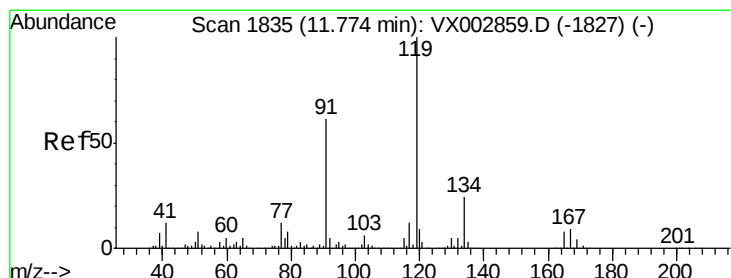
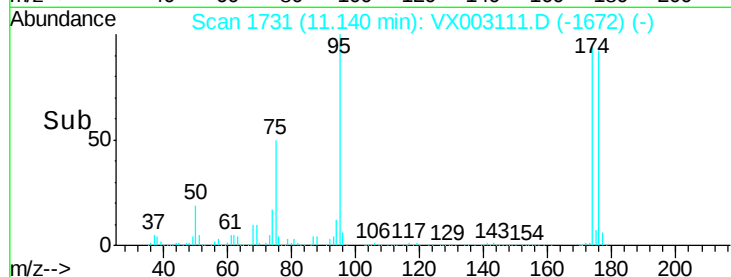
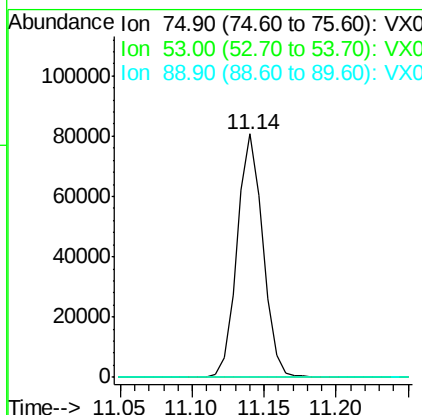
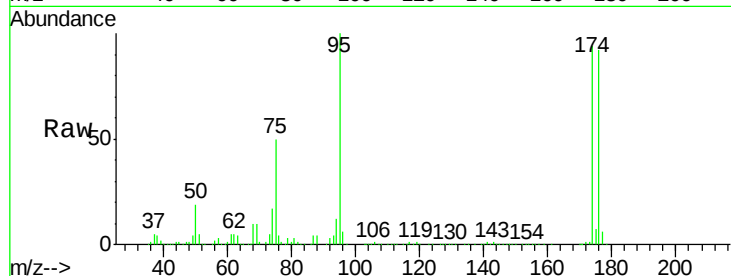




#81
trans-1,4-Dichloro-2-butene
Concen: 73.82 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.06 min
Lab File: VX003111.D
Acq: 01 Jul 2018 07:19

Instrument :
MSVOA_X
ClientSampled :
MW-18

Tot Ion: 75 Resp: 100500
Ion Ratio Lower Upper
75 100
53 0.2 86.8 130.2#
89 0.0 38.2 57.2#



#83
tert-Butylbenzene
Concen: 0.23 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX003111.D
Acq: 01 Jul 2018 07:19

Tgt Ion: 119 Resp: 2688
Ion Ratio Lower Upper
119 100
91 67.9 30.3 90.9
134 25.1 11.7 35.1

