

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX072318\
 Data File : VX003606.D
 Acq On : 23 Jul 2018 16:03
 Operator : JC/SP
 Sample : J4048-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 YT-MW-11

Quant Time: Jul 24 01:42:08 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071918W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 19 17:09:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	244281	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	362844	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	342196	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	183421	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	155436	53.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.50%	
35) Dibromofluoromethane	5.51	113	140594	50.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.74%	
50) Toluene-d8	8.72	98	519879	50.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.10%	
62) 4-Bromofluorobenzene	11.14	95	169926	44.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.66%	

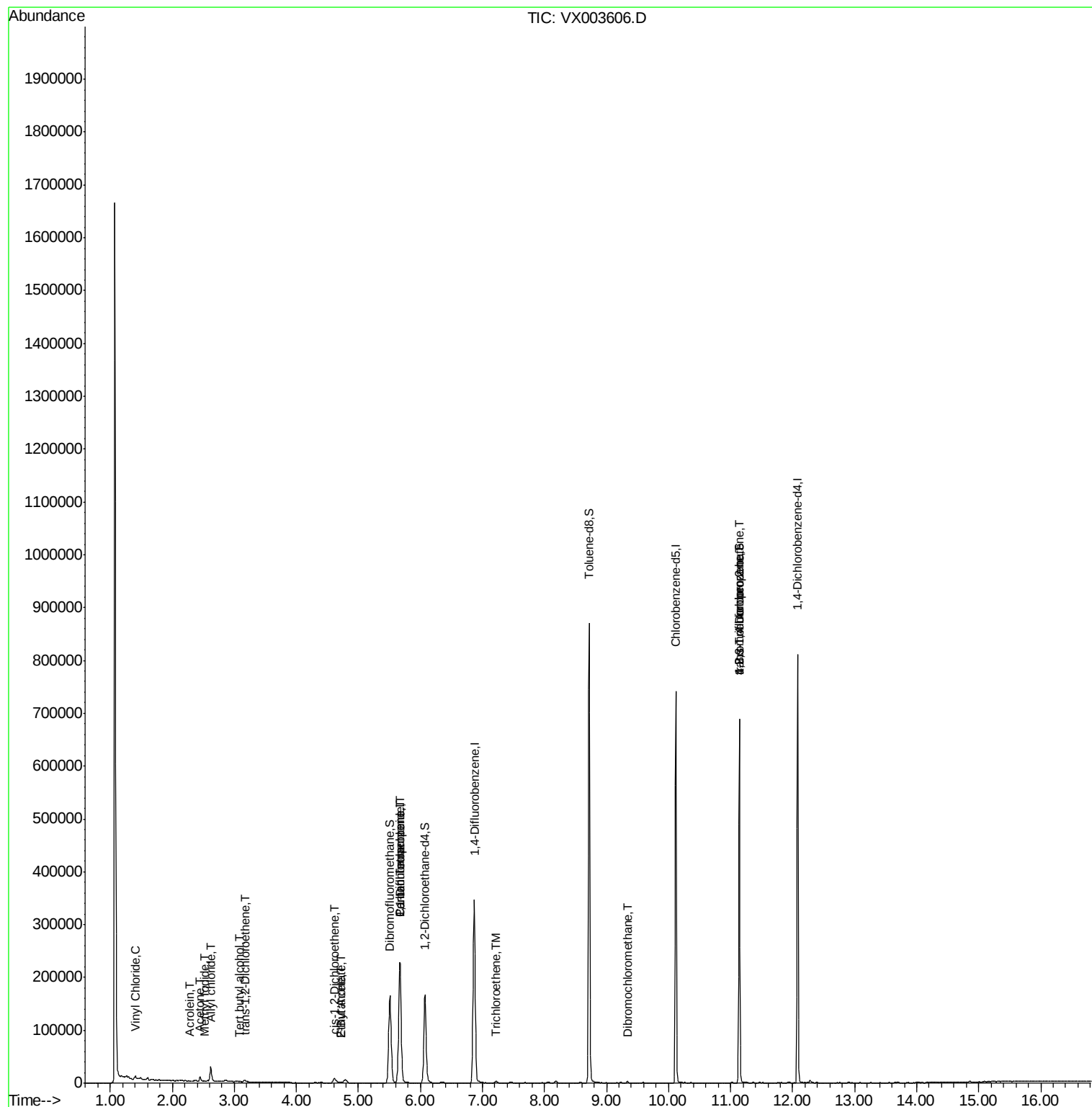
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.30	85	63	Below Cal	#	43
3) Chloromethane	1.32	50	489	Below Cal	#	85
4) Vinyl Chloride	1.40	62	2957	0.953	ug/l #	65
5) Bromomethane	1.60	94	50	Below Cal	#	3
10) Methyl Iodide	2.52	142	677	0.208	ug/l #	77
11) Tert butyl alcohol	3.08	59	345	0.603	ug/l	95
13) Acrolein	2.29	56	114	0.441	ug/l #	1
14) Allyl chloride	2.62	41	2845	0.644	ug/l #	76
16) Acetone	2.45	43	8343	7.638	ug/l	98
20) Methylene Chloride	2.86	84	689	Below Cal		89
21) trans-1,2-Dichloroethene	3.17	96	837	0.302	ug/l #	66
25) 2-Butanone	4.71	43	2111	1.152	ug/l #	86
27) cis-1,2-Dichloroethene	4.60	96	2117	0.685	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	14784	3.774	ug/l #	50
37) Ethyl Acetate	4.71	43	2111	0.569	ug/l #	70
38) Carbon Tetrachloride	5.67	117	20861	5.429	ug/l #	16
44) Trichloroethene	7.21	130	1749	0.496	ug/l	90
60) Dibromochloromethane	9.34	129	598	0.204	ug/l #	11
76) 1,2,3-Trichloropropane	11.14	75	81834	24.835	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.14	75	81834	69.562	ug/l #	7

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX003606.D

Acq: 23 Jul 2018 16:03

Instrument :

MSVOA_X

ClientSampleId :

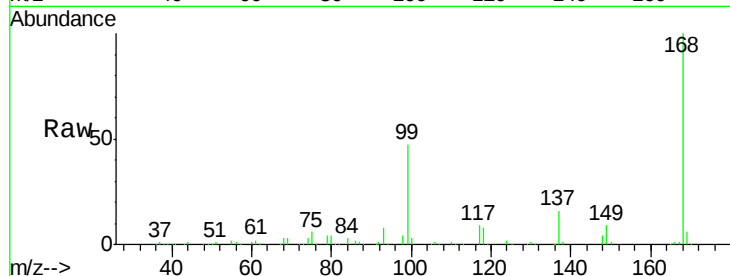
YT-MW-11

Tgt Ion:168 Resp: 244281

Ion Ratio Lower Upper

168 100

99 46.9 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

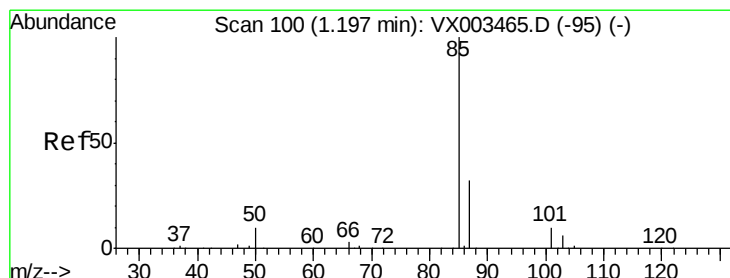
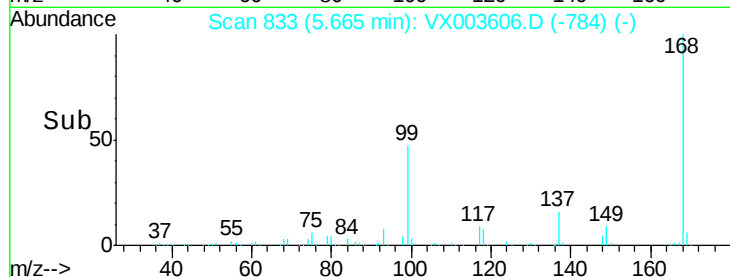
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.30 min Scan# 117

Delta R.T. 0.10 min

Lab File: VX003606.D

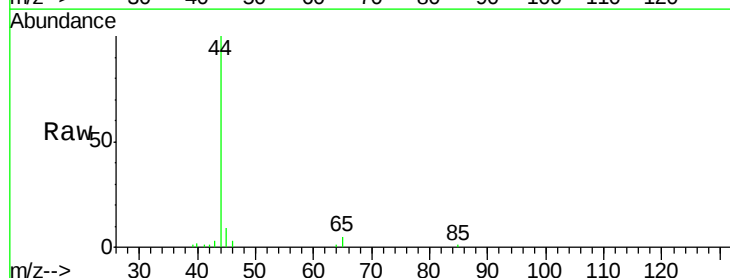
Acq: 23 Jul 2018 16:03

Tgt Ion: 85 Resp: 63

Ion Ratio Lower Upper

85 100

87 0.0 16.0 47.9#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.30

120

100

80

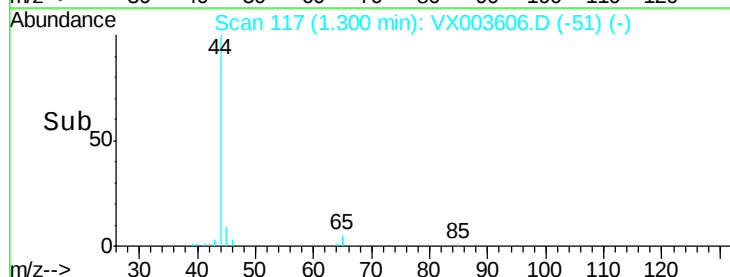
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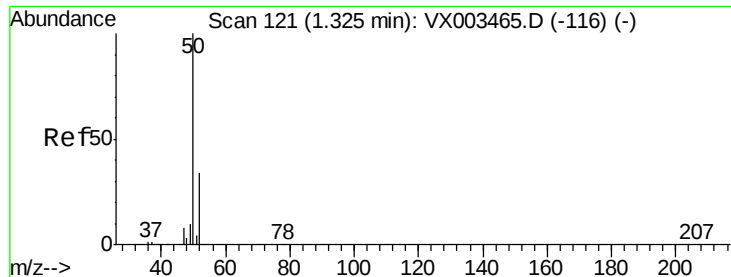
40

20

0

Time--> 1.28 1.30 1.32





#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003606.D

Acq: 23 Jul 2018 16:03

Instrument :

MSVOA_X

ClientSampleId :

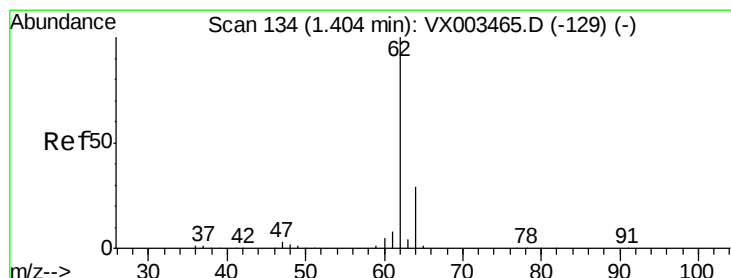
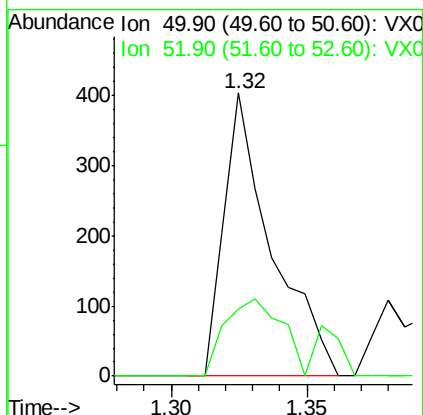
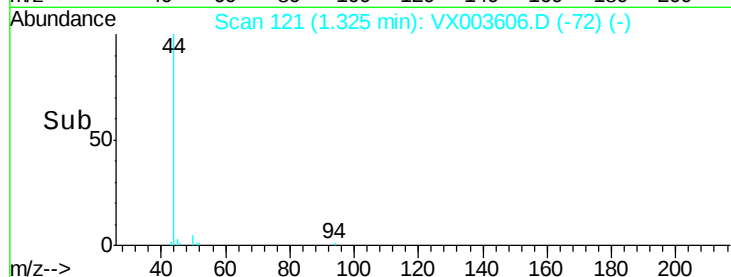
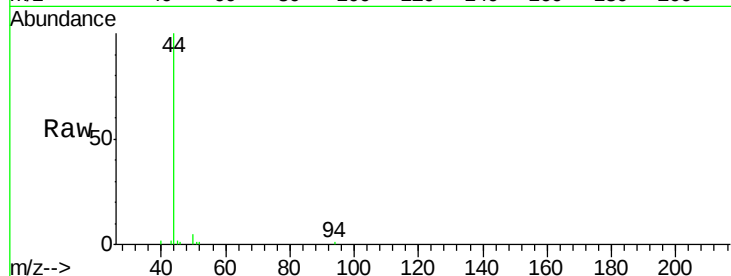
YT-MW-11

Tgt Ion: 50 Resp: 489

Ion Ratio Lower Upper

50 100

52 23.8 25.7 38.5#



#4

Vinyl Chloride

Concen: 0.953 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX003606.D

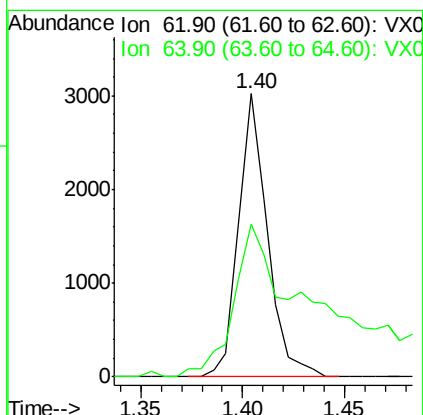
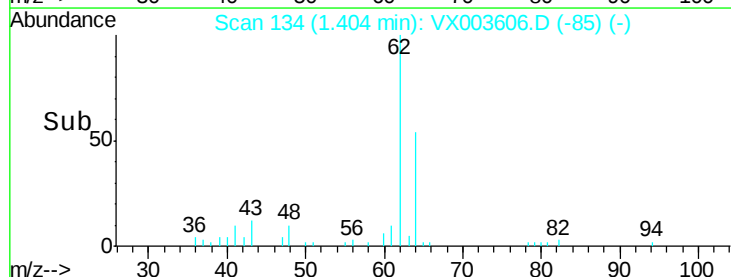
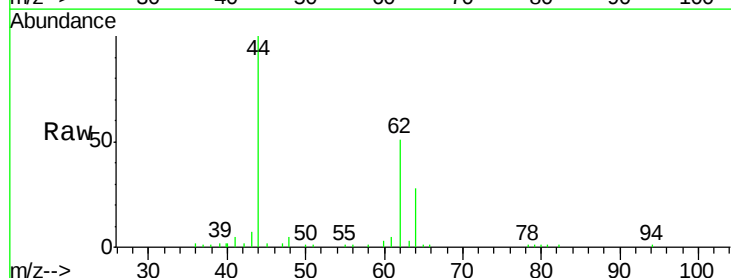
Acq: 23 Jul 2018 16:03

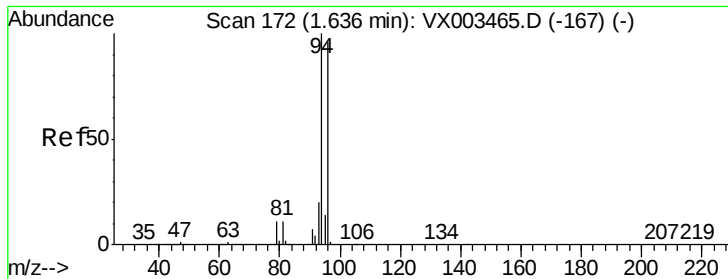
Tgt Ion: 62 Resp: 2957

Ion Ratio Lower Upper

62 100

64 51.1 25.4 38.2#





#5

Bromomethane

Concen: Below Cal

RT: 1.60 min Scan# 166

Delta R.T. -0.04 min

Lab File: VX003606.D

Acq: 23 Jul 2018 16:03

Instrument :

MSVOA_X

ClientSampleId :

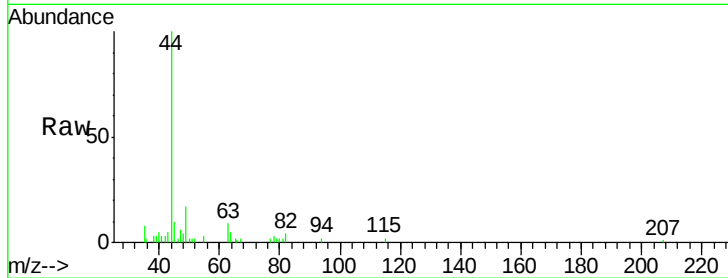
YT-MW-11

Tgt Ion: 94 Resp: 50

Ion Ratio Lower Upper

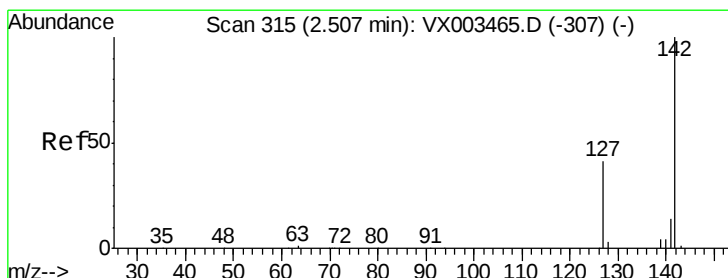
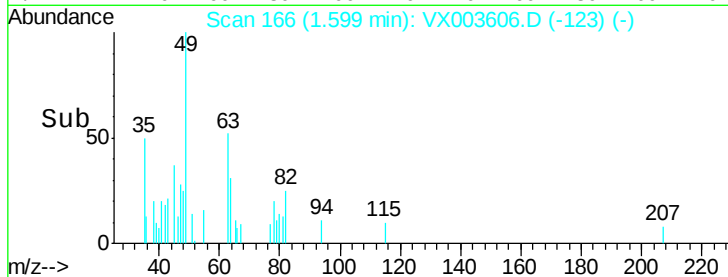
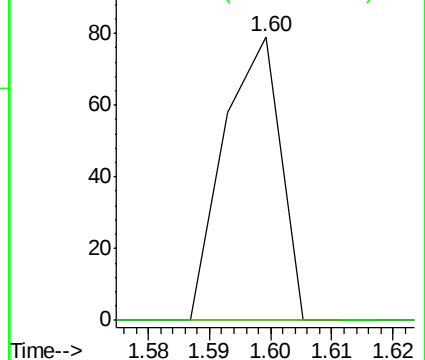
94 100

96 0.0 74.9 112.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#10

Methyl Iodide

Concen: 0.208 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX003606.D

Acq: 23 Jul 2018 16:03

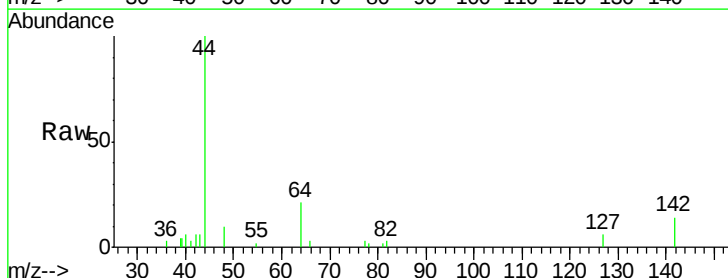
Tgt Ion: 142 Resp: 677

Ion Ratio Lower Upper

142 100

127 32.9 36.6 55.0#

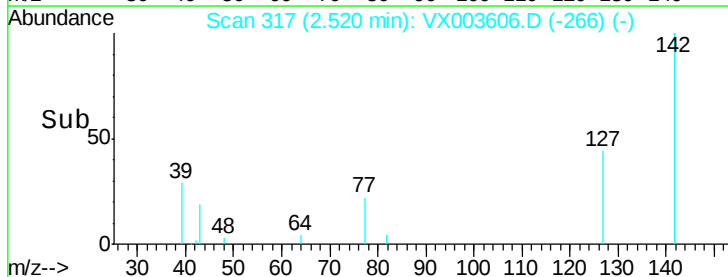
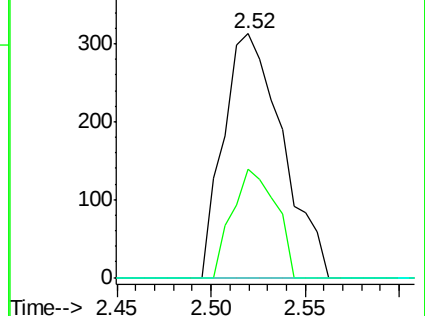
141 0.0 11.3 16.9#

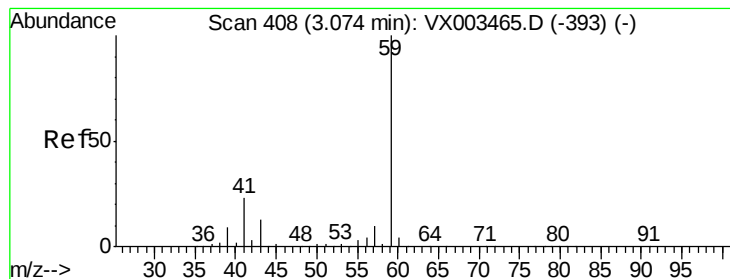


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



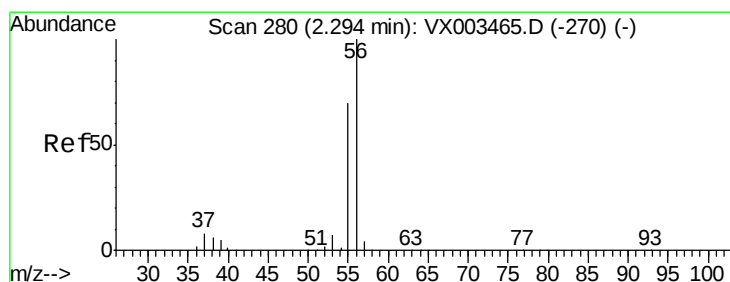
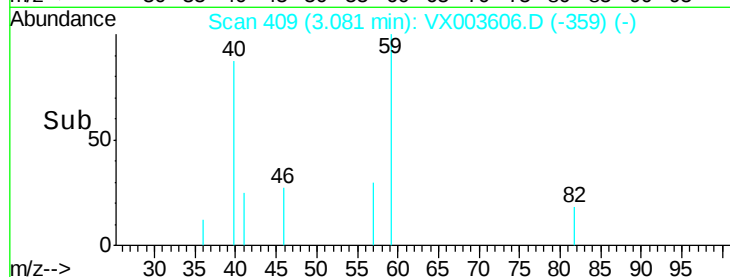
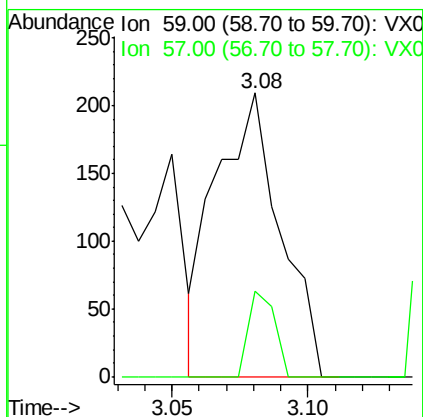
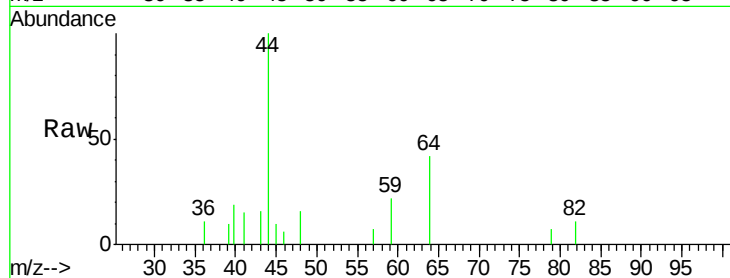


#11

Tert butyl alcohol
 Concen: 0.603 ug/l
 RT: 3.08 min Scan# 409
 Delta R.T. 0.01 min
 Lab File: VX003606.D
 Acq: 23 Jul 2018 16:03

Instrument :
 MSVOA_X
 ClientSampleId :
 YT-MW-11

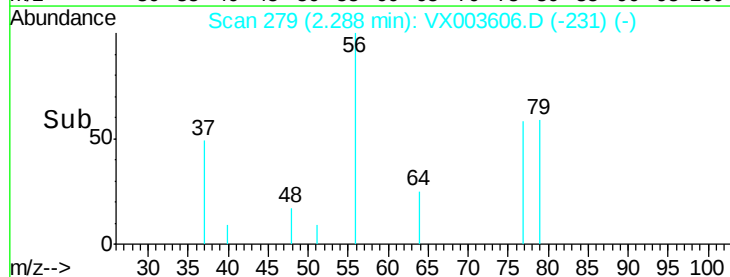
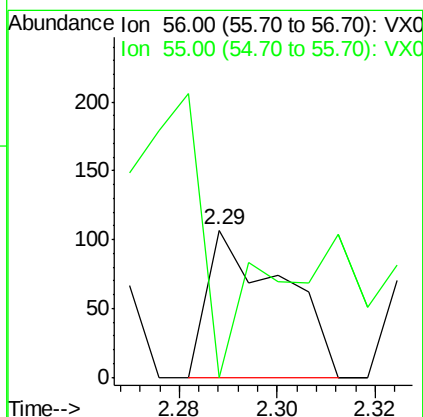
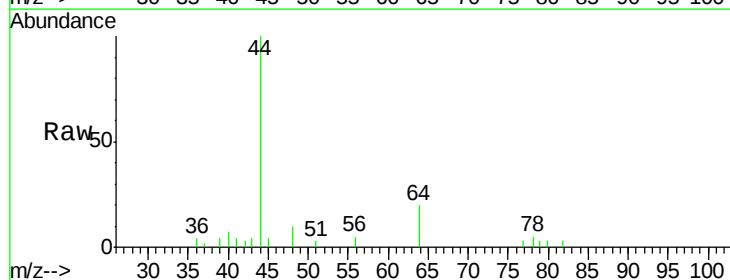
Tgt Ion: 59 Resp: 345
 Ion Ratio Lower Upper
 59 100
 57 12.2 8.2 12.2

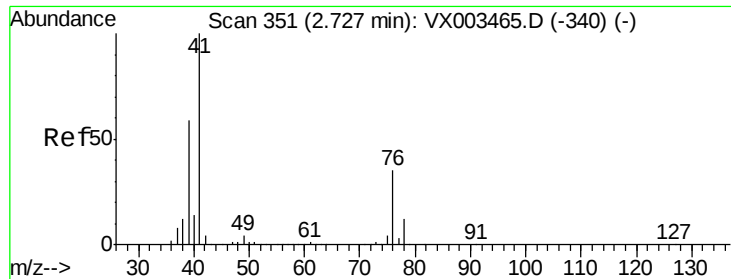


#13

Acrolein
 Concen: 0.441 ug/l
 RT: 2.29 min Scan# 279
 Delta R.T. -0.01 min
 Lab File: VX003606.D
 Acq: 23 Jul 2018 16:03

Tgt Ion: 56 Resp: 114
 Ion Ratio Lower Upper
 56 100
 55 216.7 57.0 85.4#

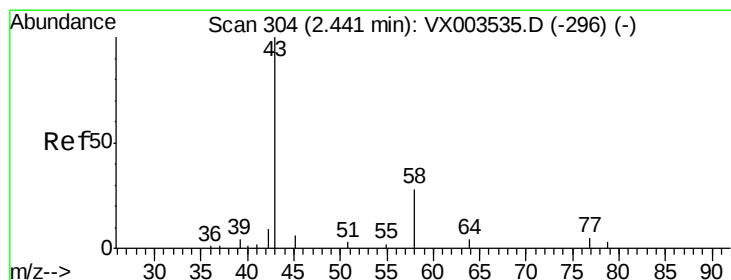
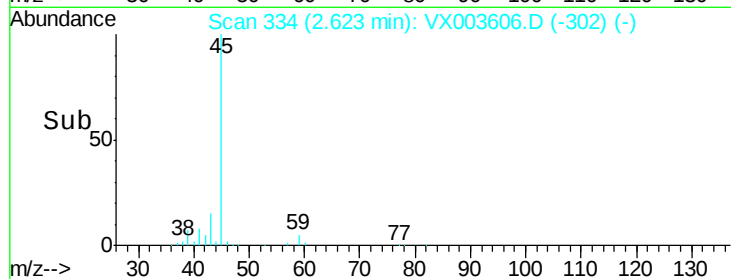
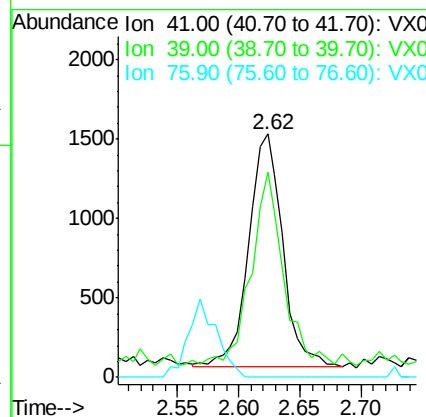
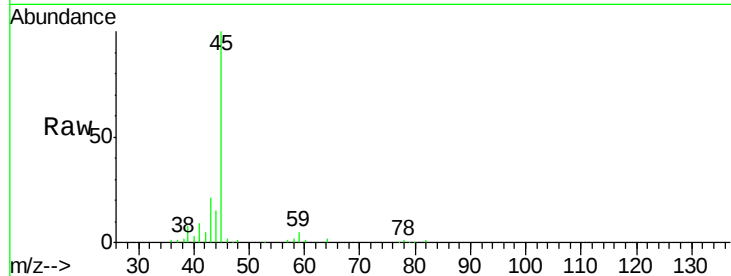




#14
 Allyl chloride
 Concen: 0.644 ug/l
 RT: 2.62 min Scan# 334
 Delta R.T. -0.10 min
 Lab File: VX003606.D
 Acq: 23 Jul 2018 16:03

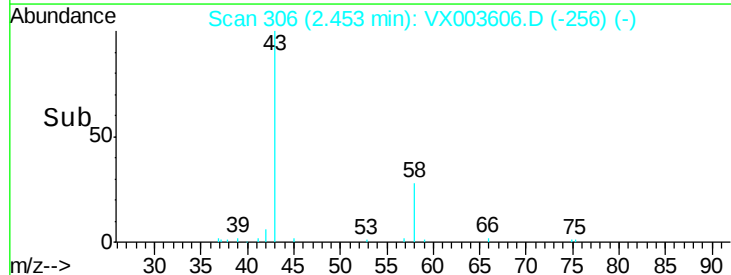
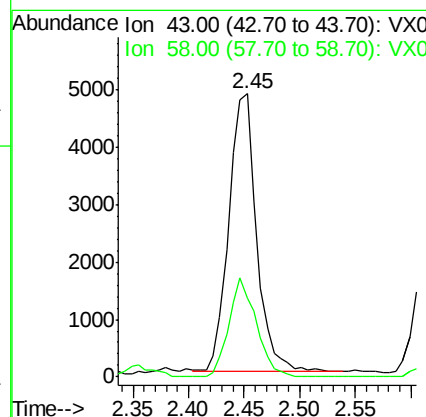
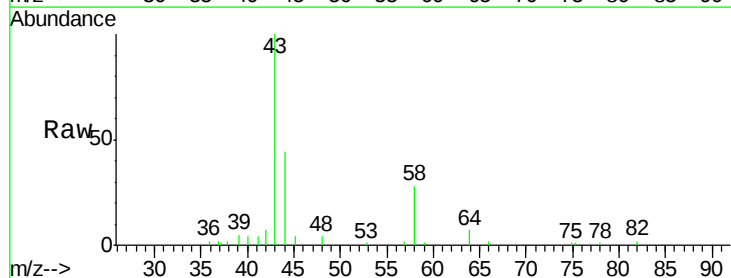
Instrument :
 MSVOA_X
 ClientSampleId :
 YT-MW-11

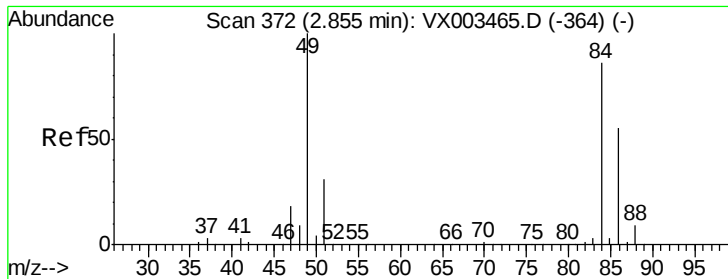
Tgt Ion: 41 Resp: 2845
 Ion Ratio Lower Upper
 41 100
 39 80.1 56.8 85.2
 76 0.0 23.8 35.8#



#16
 Acetone
 Concen: 7.638 ug/l
 RT: 2.45 min Scan# 306
 Delta R.T. 0.01 min
 Lab File: VX003606.D
 Acq: 23 Jul 2018 16:03

Tgt Ion: 43 Resp: 8343
 Ion Ratio Lower Upper
 43 100
 58 28.5 22.1 33.1





#20

Methylene Chloride

Concen: Below Cal

RT: 2.86 min Scan# 372

Delta R.T. 0.00 min

Lab File: VX003606.D

Acq: 23 Jul 2018 16:03

Instrument :

MSVOA_X

ClientSampled :

YT-MW-11

Tgt Ion: 84 Resp: 689

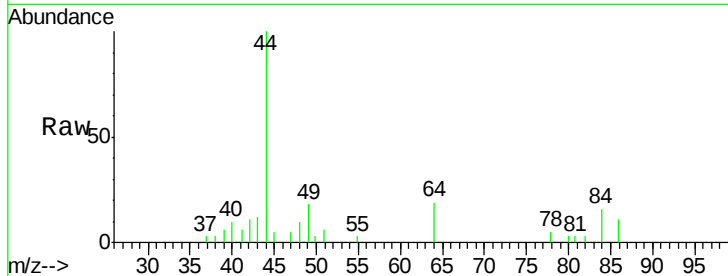
Ion Ratio Lower Upper

84 100

49 113.5 107.8 161.6

51 40.4 32.8 49.2

86 67.0 52.5 78.7

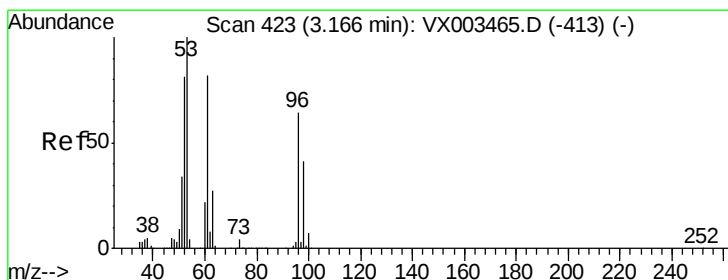
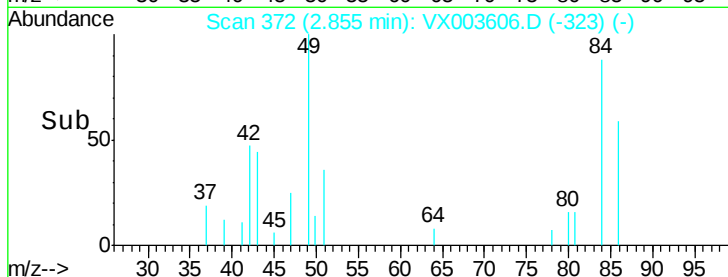
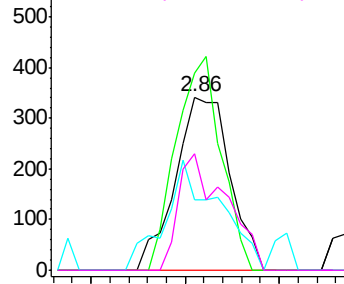


Abundance Ion 83.90 (83.60 to 84.60): VX0

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



#21

trans-1,2-Dichloroethene

Concen: 0.302 ug/l

RT: 3.17 min Scan# 424

Delta R.T. 0.01 min

Lab File: VX003606.D

Acq: 23 Jul 2018 16:03

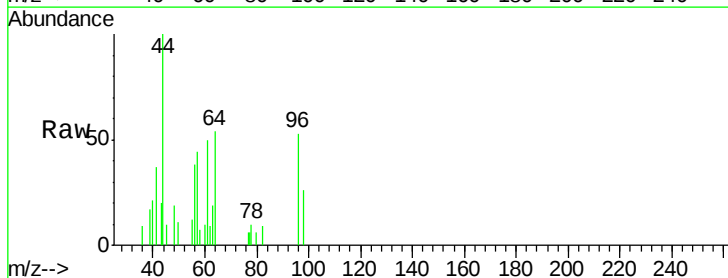
Tgt Ion: 96 Resp: 837

Ion Ratio Lower Upper

96 100

61 95.3 117.0 175.4#

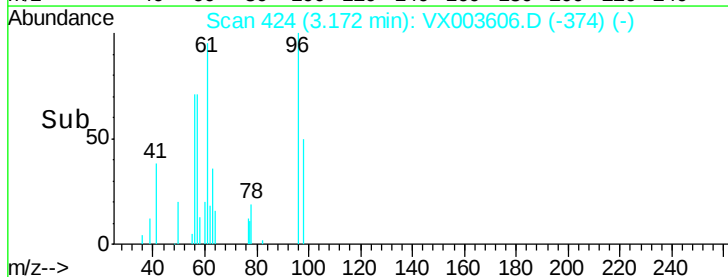
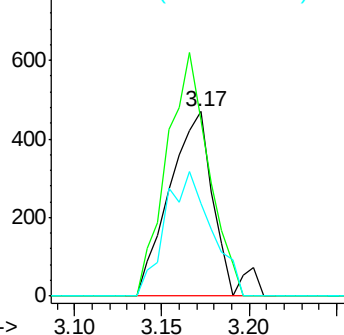
98 50.1 52.4 78.6#

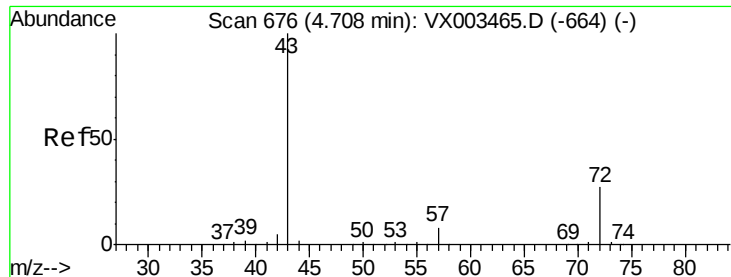


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#25

2-Butanone

Concen: 1.152 ug/l

RT: 4.71 min Scan# 677

Delta R.T. 0.01 min

Lab File: VX003606.D

Acq: 23 Jul 2018 16:03

Instrument :

MSVOA_X

ClientSampleId :

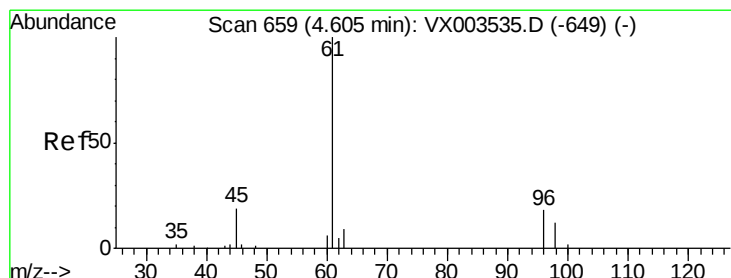
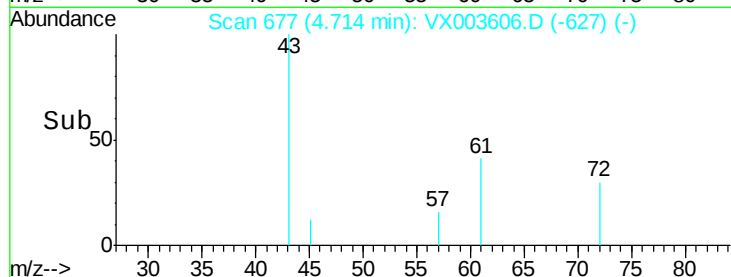
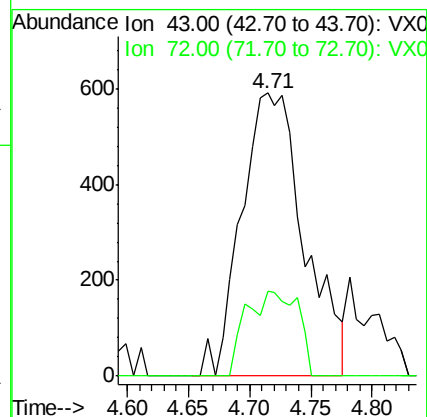
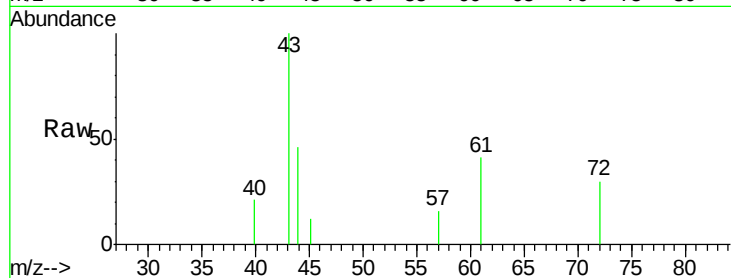
YT-MW-11

Tgt Ion: 43 Resp: 2111

Ion Ratio Lower Upper

43 100

72 30.1 18.5 27.7#



#27

cis-1,2-Dichloroethene

Concen: 0.685 ug/l

RT: 4.60 min Scan# 659

Delta R.T. 0.01 min

Lab File: VX003606.D

Acq: 23 Jul 2018 16:03

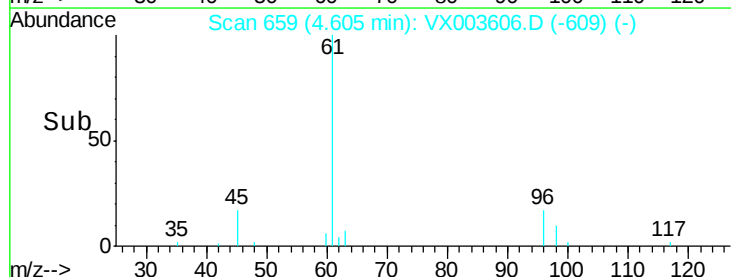
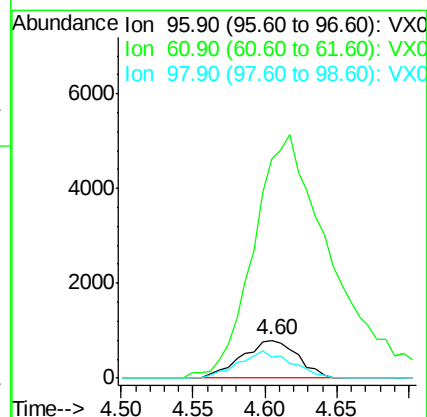
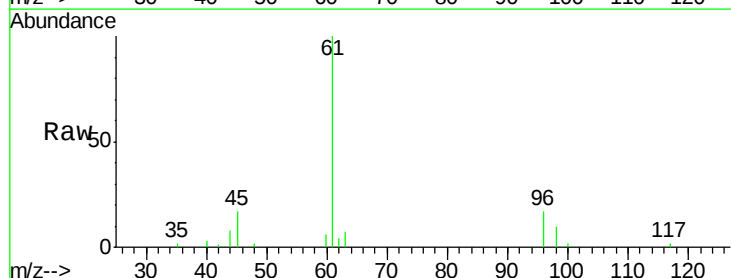
Tgt Ion: 96 Resp: 2117

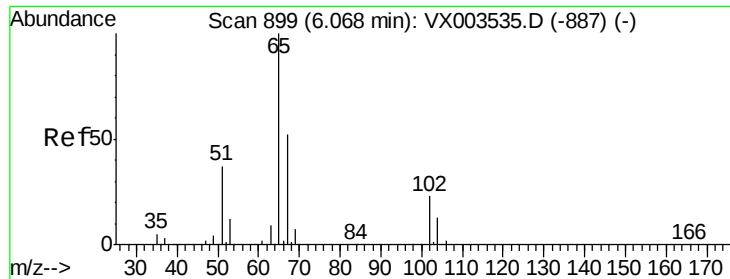
Ion Ratio Lower Upper

96 100

61 912.8 0.0 330.2#

98 69.0 0.0 130.2

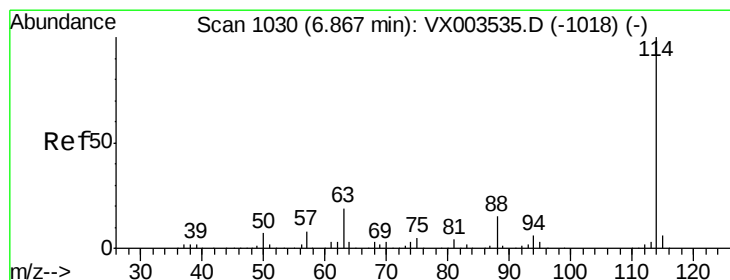
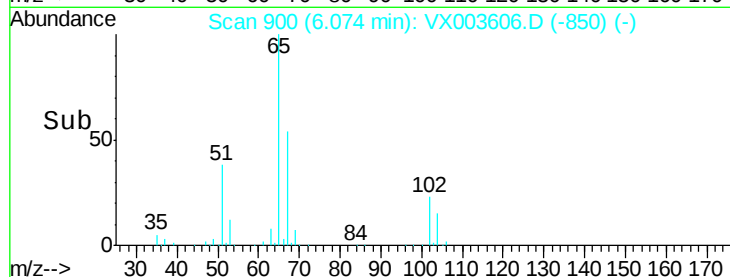
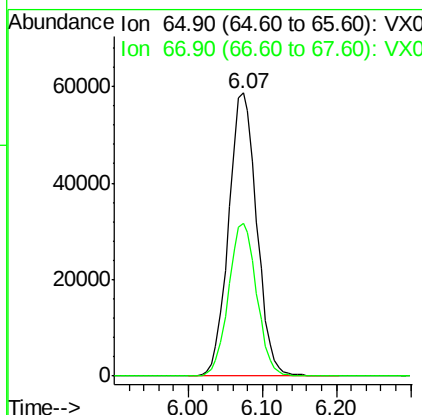
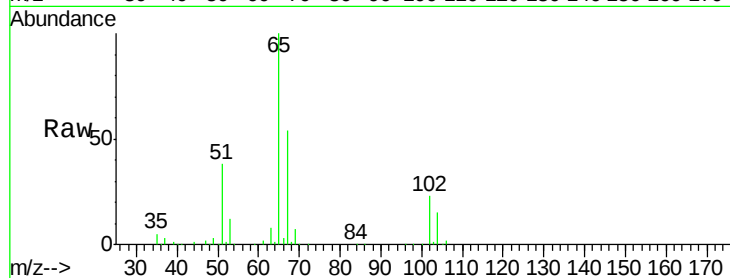




#33
 1,2-Dichloroethane-d4
 Concen: 53.754 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VX003606.D
 Acq: 23 Jul 2018 16:03

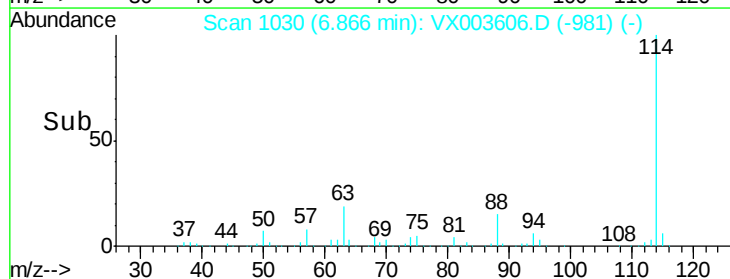
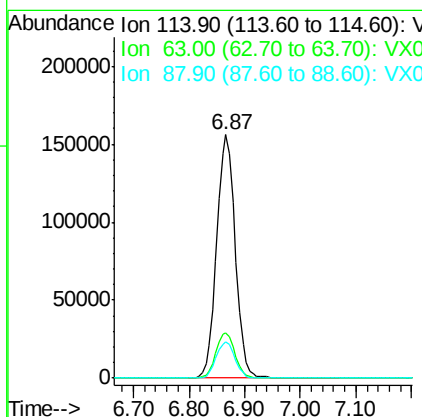
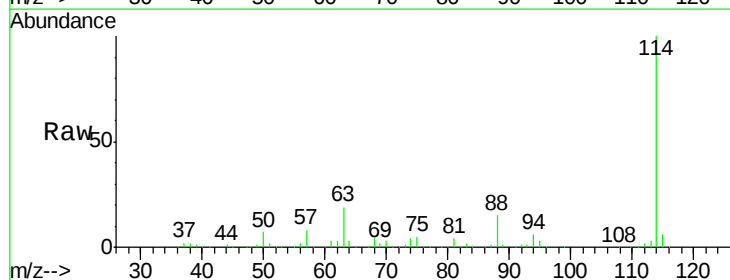
Instrument :
 MSVOA_X
 ClientSampleId :
 YT-MW-11

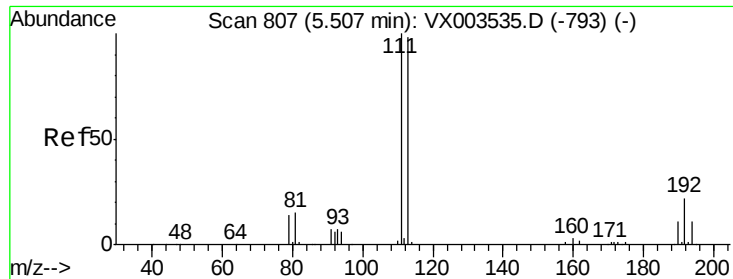
Tgt Ion: 65 Resp: 155436
 Ion Ratio Lower Upper
 65 100
 67 54.0 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX003606.D
 Acq: 23 Jul 2018 16:03

Tgt Ion: 114 Resp: 362844
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 41.4
 88 14.9 0.0 30.0

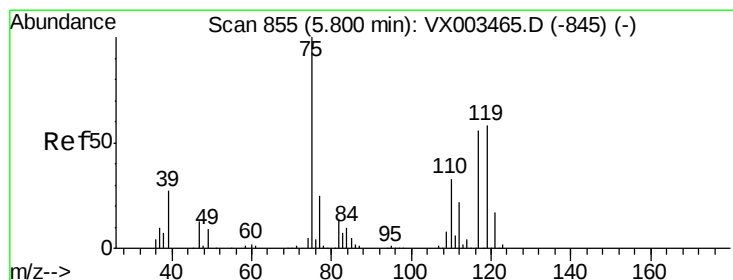
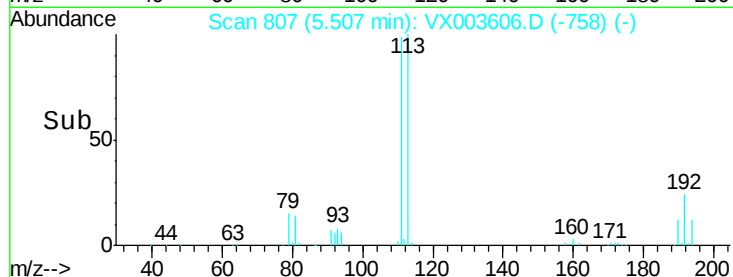
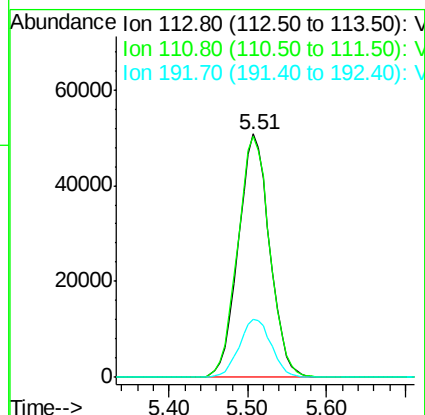
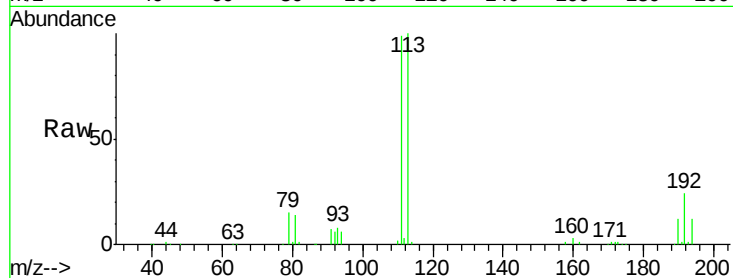




#35
 Dibromofluoromethane
 Concen: 50.872 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.00 min
 Lab File: VX003606.D
 Acq: 23 Jul 2018 16:03

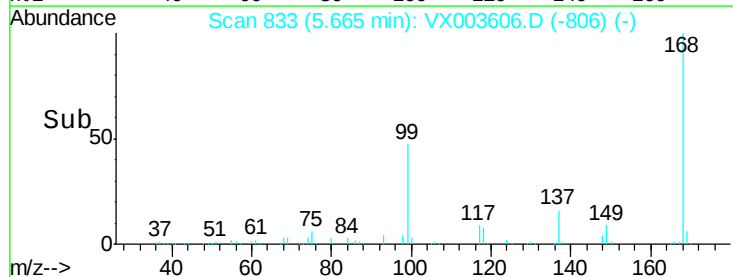
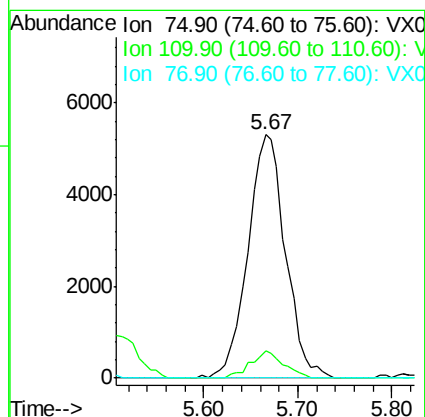
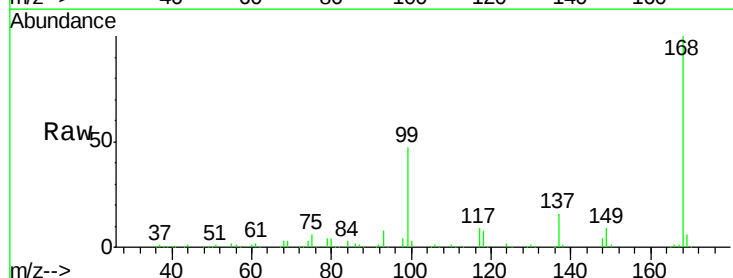
Instrument :
 MSVOA_X
 ClientSampleId :
 YT-MW-11

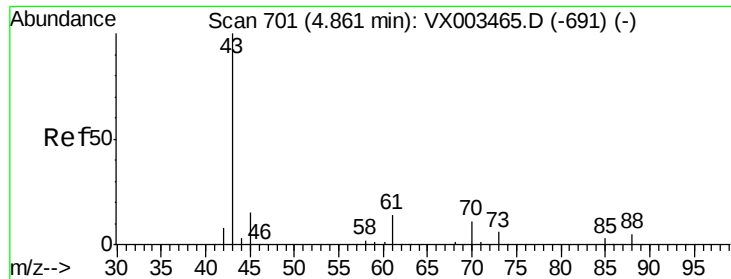
Tgt Ion:113 Resp: 140594
 Ion Ratio Lower Upper
 113 100
 111 100.9 81.4 122.0
 192 24.5 19.1 28.7



#36
 1,1-Dichloropropene
 Concen: 3.774 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.13 min
 Lab File: VX003606.D
 Acq: 23 Jul 2018 16:03

Tgt Ion: 75 Resp: 14784
 Ion Ratio Lower Upper
 75 100
 110 9.8 18.1 54.4#
 77 0.0 24.3 36.5#

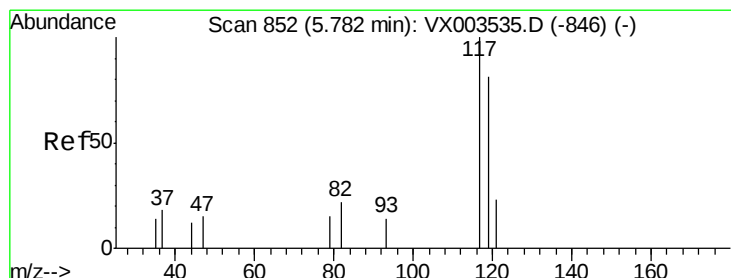
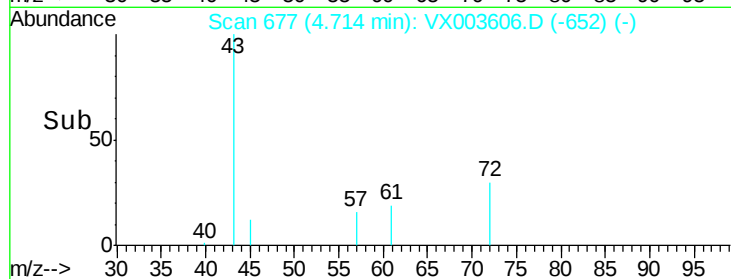
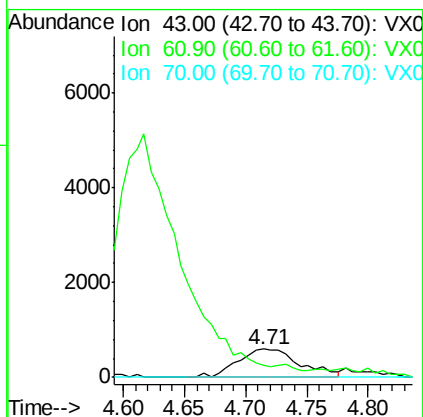
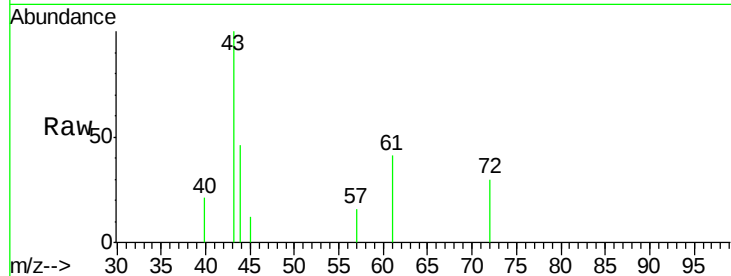




#37
Ethyl Acetate
Concen: 0.569 ug/l
RT: 4.71 min Scan# 677
Delta R.T. -0.15 min
Lab File: VX003606.D
Acq: 23 Jul 2018 16:03

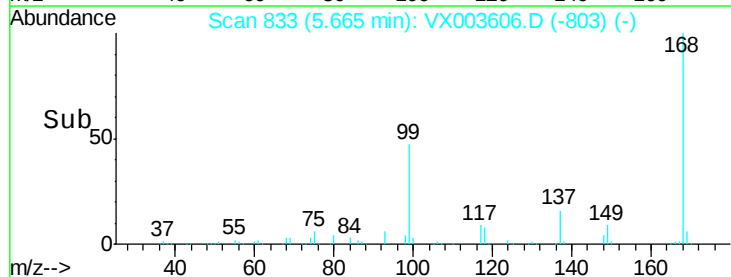
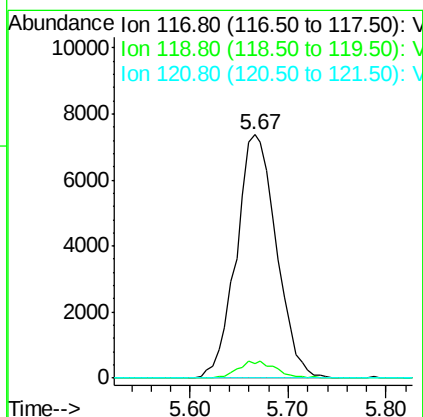
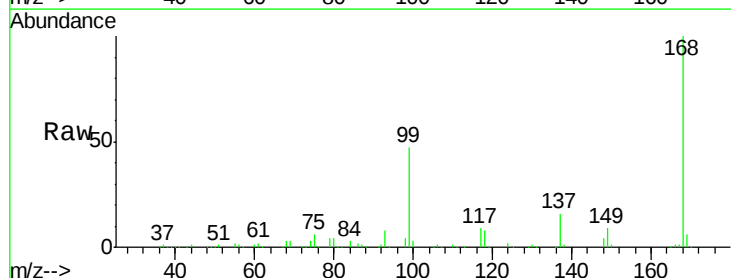
Instrument :
MSVOA_X
ClientSampleId :
YT-MW-11

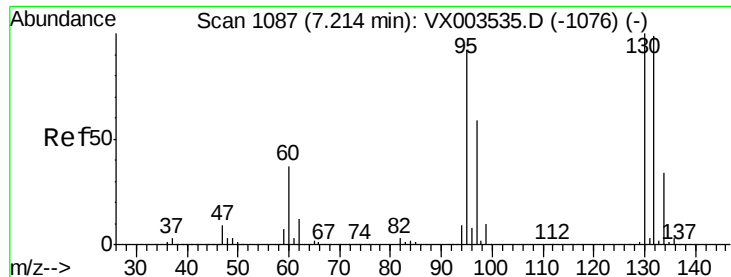
Tgt Ion: 43 Resp: 2111
Ion Ratio Lower Upper
43 100
61 0.0 10.4 15.6#
70 0.0 7.6 11.4#



#38
Carbon Tetrachloride
Concen: 5.429 ug/l
RT: 5.67 min Scan# 833
Delta R.T. -0.12 min
Lab File: VX003606.D
Acq: 23 Jul 2018 16:03

Tgt Ion: 117 Resp: 20861
Ion Ratio Lower Upper
117 100
119 5.8 77.4 116.0#
121 0.0 24.4 36.6#





#44

Trichloroethene

Concen: 0.496 ug/l

RT: 7.21 min Scan# 1087

Delta R.T. 0.00 min

Lab File: VX003606.D

Acq: 23 Jul 2018 16:03

Instrument :

MSVOA_X

ClientSampled :

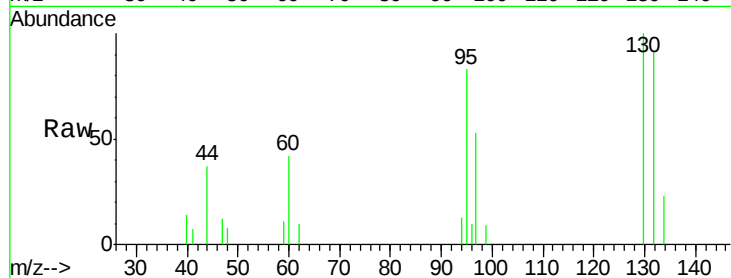
YT-MW-11

Tgt Ion:130 Resp: 1749

Ion Ratio Lower Upper

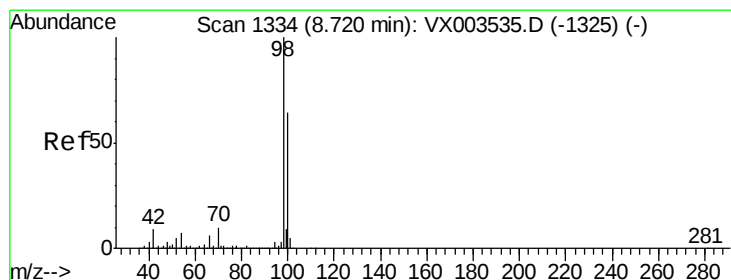
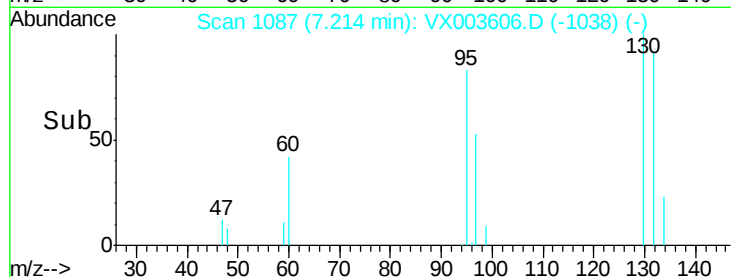
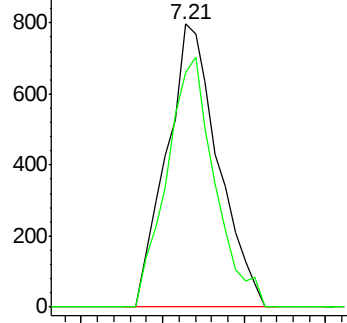
130 100

95 82.7 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: 50.048 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX003606.D

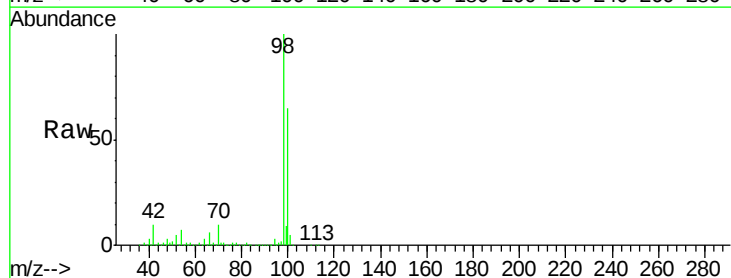
Acq: 23 Jul 2018 16:03

Tgt Ion: 98 Resp: 519879

Ion Ratio Lower Upper

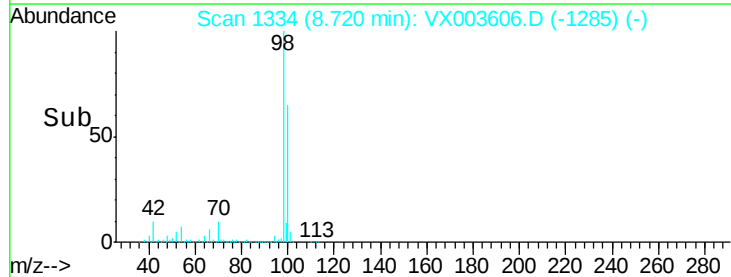
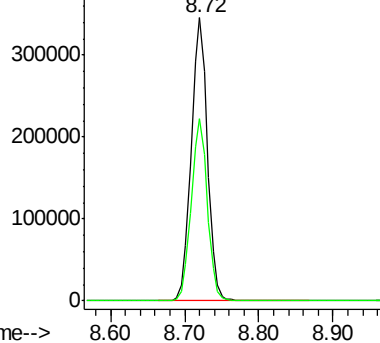
98 100

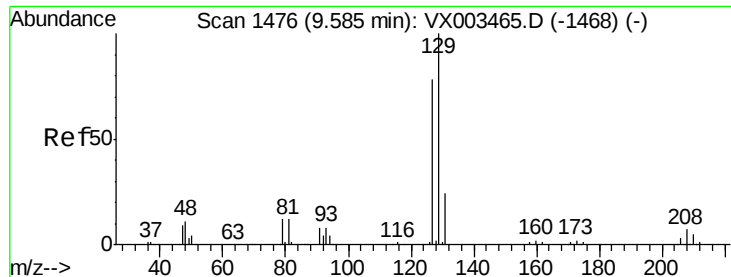
100 64.1 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#60

Dibromochloromethane

Concen: 0.204 ug/l

RT: 9.34 min Scan# 1435

Delta R.T. -0.25 min

Lab File: VX003606.D

Acq: 23 Jul 2018 16:03

Instrument :

MSVOA_X

ClientSampleId :

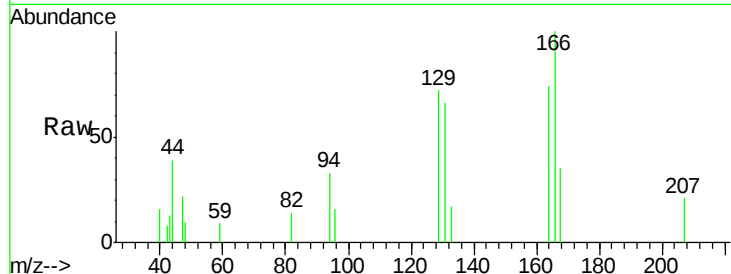
YT-MW-11

Tgt Ion:129 Resp: 598

Ion Ratio Lower Upper

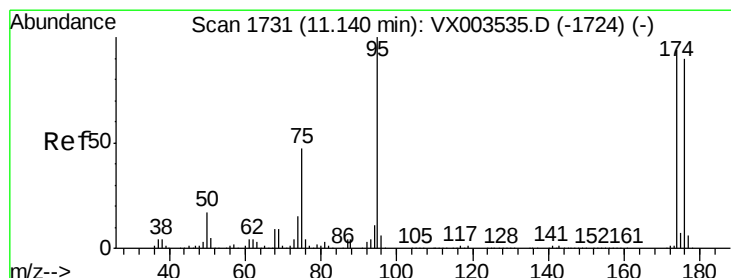
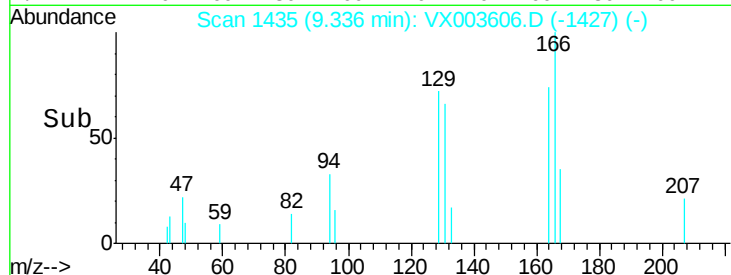
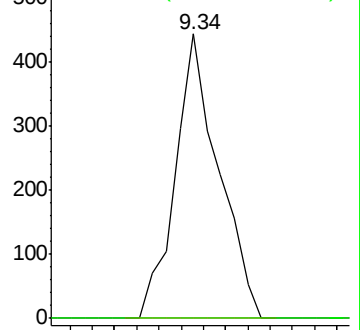
129 100

127 0.0 38.5 115.3#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 44.825 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003606.D

Acq: 23 Jul 2018 16:03

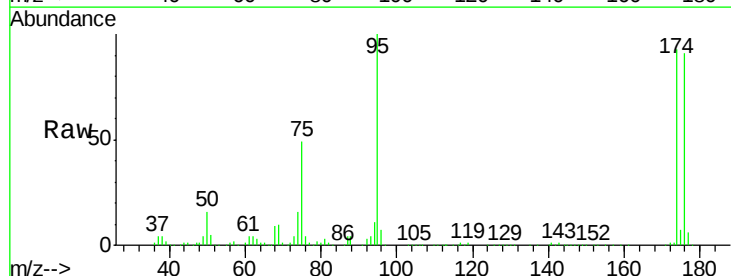
Tgt Ion: 95 Resp: 169926

Ion Ratio Lower Upper

95 100

174 96.7 0.0 187.4

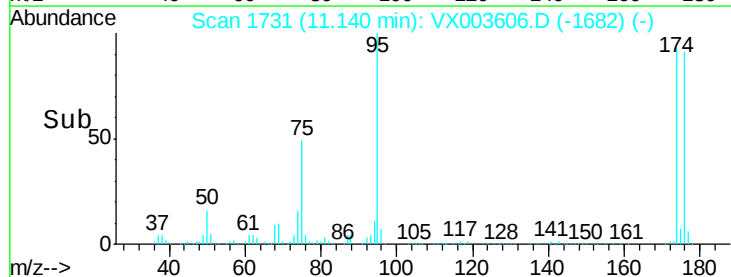
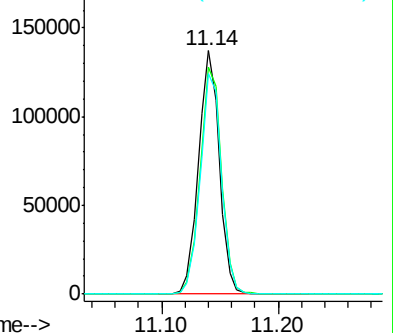
176 92.9 0.0 181.0

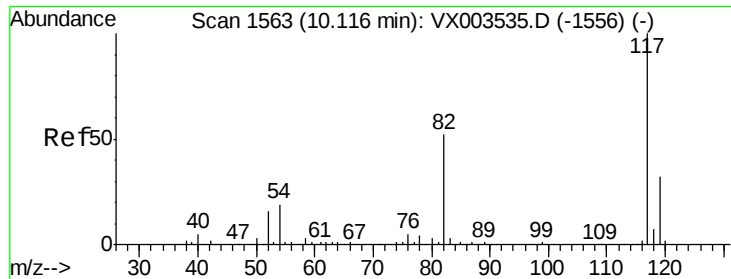


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

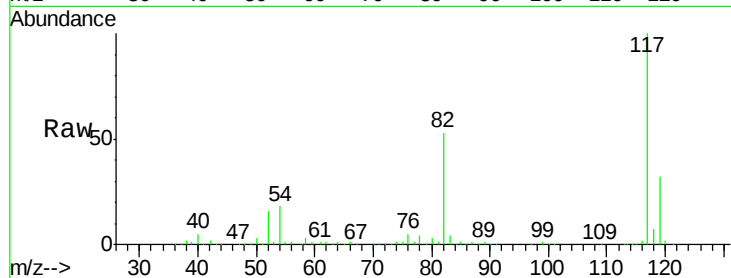




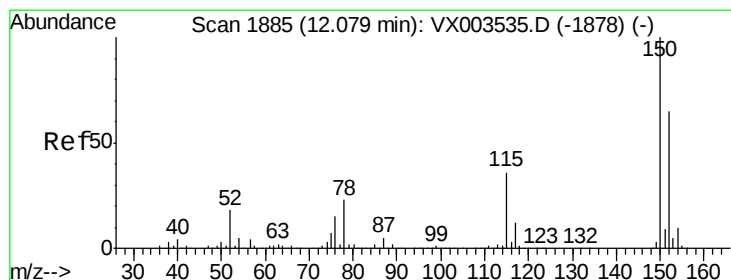
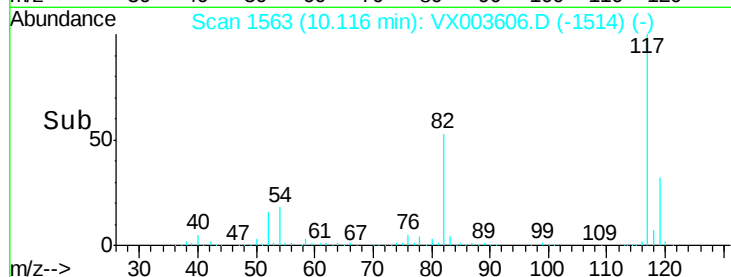
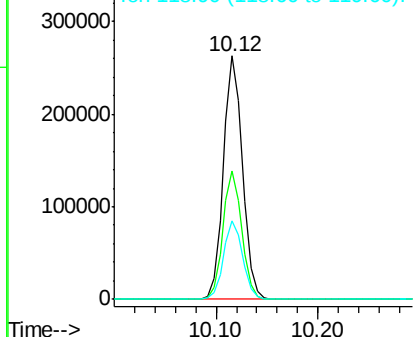
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003606.D
Acq: 23 Jul 2018 16:03

Instrument :
MSVOA_X
ClientSampled :
YT-MW-11

Tgt Ion:117 Resp: 342196
Ion Ratio Lower Upper
117 100
82 53.0 45.0 67.4
119 32.3 25.8 38.6

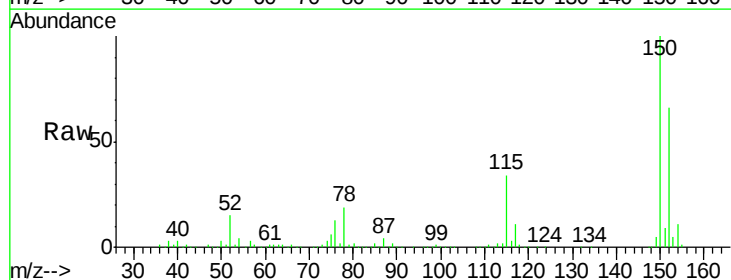


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

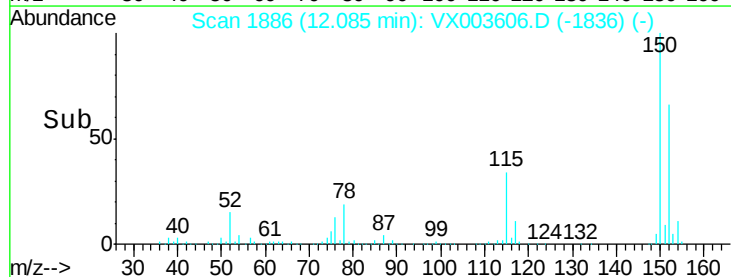
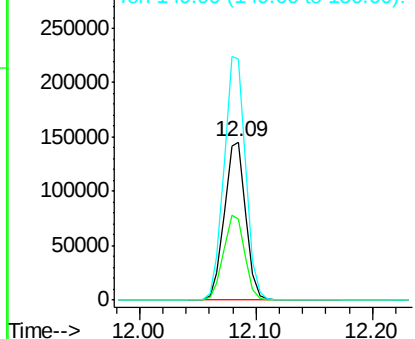


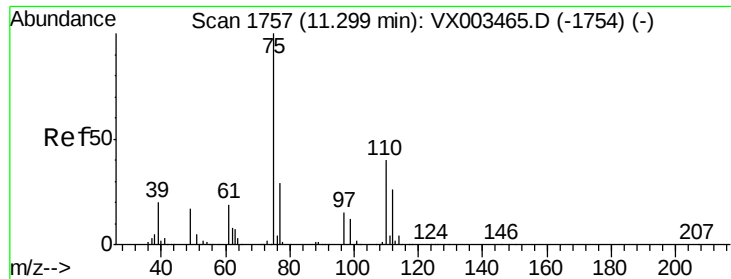
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. 0.01 min
Lab File: VX003606.D
Acq: 23 Jul 2018 16:03

Tgt Ion:152 Resp: 183421
Ion Ratio Lower Upper
152 100
115 53.5 40.1 120.2
150 156.1 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

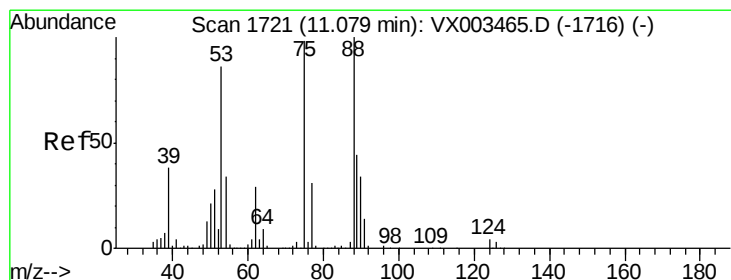
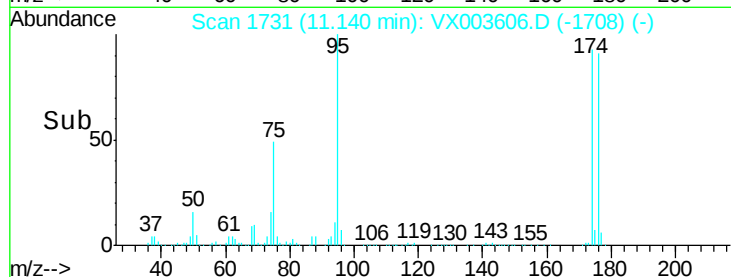
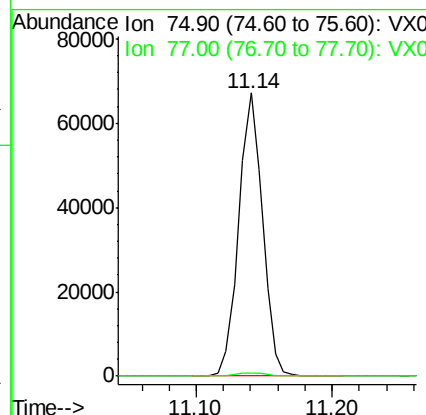
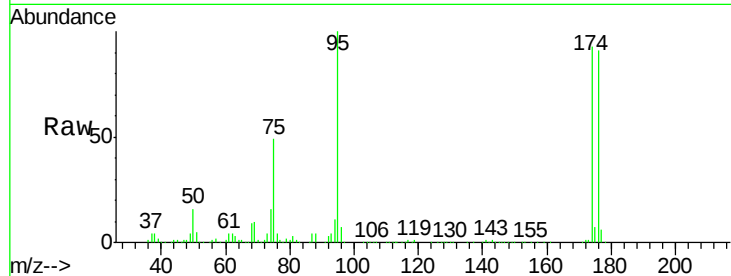




#76
 1,2,3-Trichloropropane
 Concen: 24.835 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX003606.D
 Acq: 23 Jul 2018 16:03

Instrument :
 MSVOA_X
 ClientSampleId :
 YT-MW-11

Tgt Ion: 75 Resp: 81834
 Ion Ratio Lower Upper
 75 100
 77 1.4 22.8 68.3#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 69.562 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX003606.D
 Acq: 23 Jul 2018 16:03

Tgt Ion: 75 Resp: 81834
 Ion Ratio Lower Upper
 75 100
 53 0.2 86.8 130.2#
 89 0.0 38.2 57.2#

