

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX072318\
 Data File : VX003607.D
 Acq On : 23 Jul 2018 16:29
 Operator : JC/SP
 Sample : J4048-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 YT-MW-9

Quant Time: Jul 24 01:42:18 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	245633	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	362710	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	340340	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	184968	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	152959	52.61	ug/l	0.00
Spiked Amount			Recovery	=	105.22%	
35) Dibromofluoromethane	5.51	113	139051	50.33	ug/l	0.00
Spiked Amount			Recovery	=	100.66%	
50) Toluene-d8	8.72	98	514305	49.53	ug/l	0.00
Spiked Amount			Recovery	=	99.06%	
62) 4-Bromofluorobenzene	11.14	95	171989	45.39	ug/l	0.00
Spiked Amount			Recovery	=	90.78%	

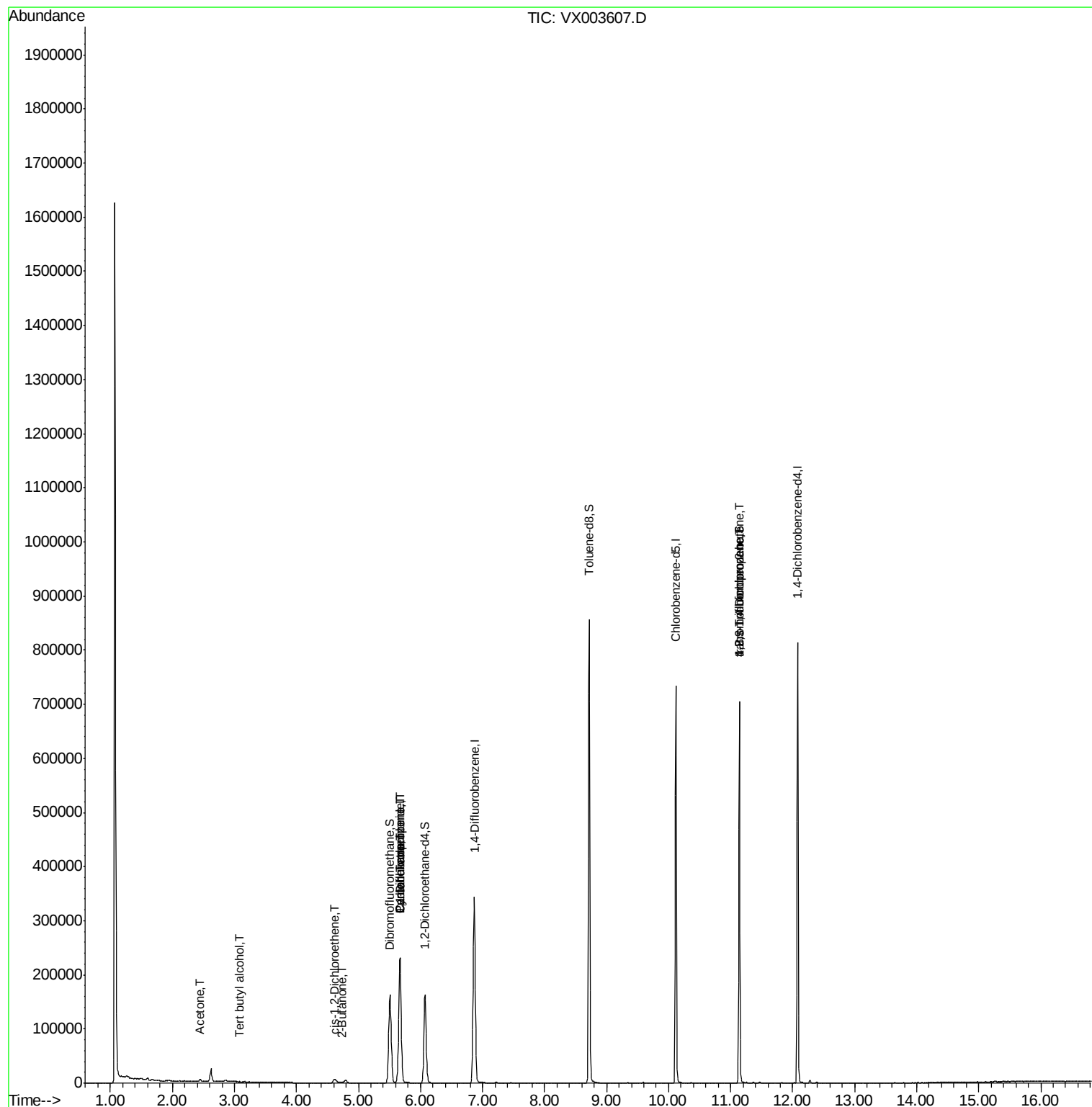
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	80	Below Cal	#	43
3) Chloromethane	1.32	50	436	Below Cal	#	70
5) Bromomethane	1.62	94	86	Below Cal	#	3
11) Tert butyl alcohol	3.08	59	154	0.268	ug/l #	73
16) Acetone	2.45	43	4557	4.149	ug/l	89
20) Methylene Chloride	2.85	84	1054	Below Cal	#	83
25) 2-Butanone	4.73	43	686	0.372	ug/l #	52
27) cis-1,2-Dichloroethene	4.60	96	1531	0.493	ug/l #	1
31) Cyclohexane	5.67	56	3688	0.842	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	15014	3.834	ug/l #	50
38) Carbon Tetrachloride	5.67	117	21072	5.486	ug/l #	17
76) 1,2,3-Trichloropropane	11.14	75	81157	24.423	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.14	75	81157	68.449	ug/l #	7

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

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QLast Update : Thu Jul 19 17:09:44 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.01 min

Lab File: VX003607.D

Acq: 23 Jul 2018 16:29

Instrument :

MSVOA_X

ClientSampleId :

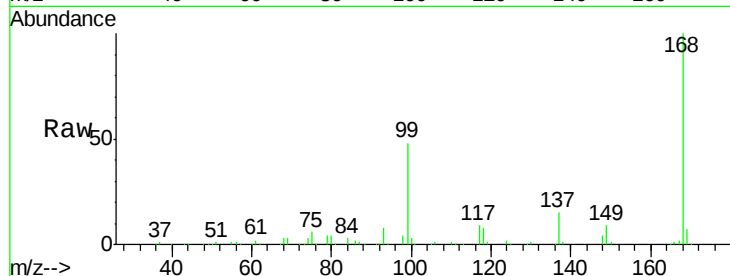
YT-MW-9

Tgt Ion:168 Resp: 245633

Ion Ratio Lower Upper

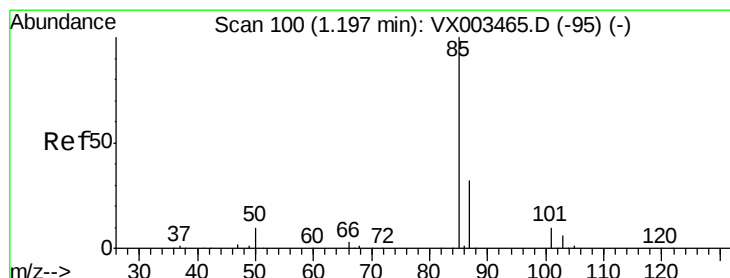
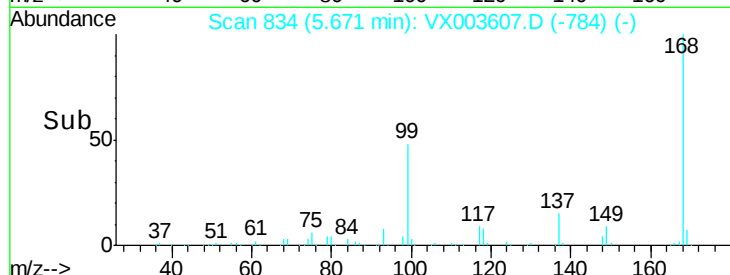
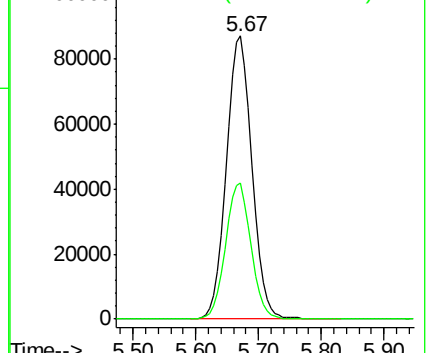
168 100

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: VX003607.D

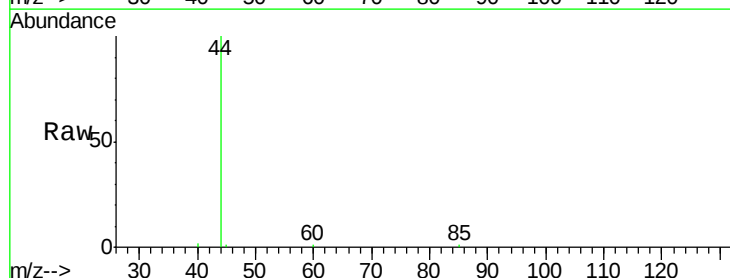
Acq: 23 Jul 2018 16:29

Tgt Ion: 85 Resp: 80

Ion Ratio Lower Upper

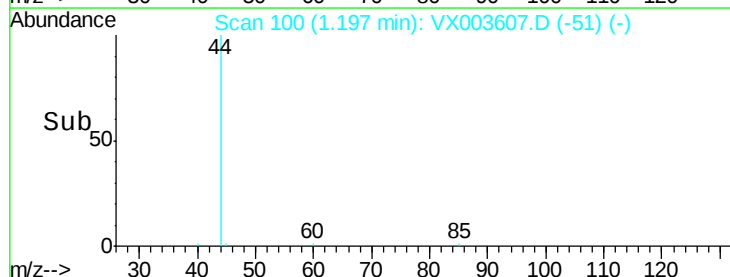
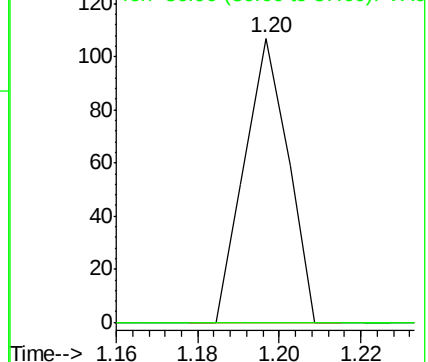
85 100

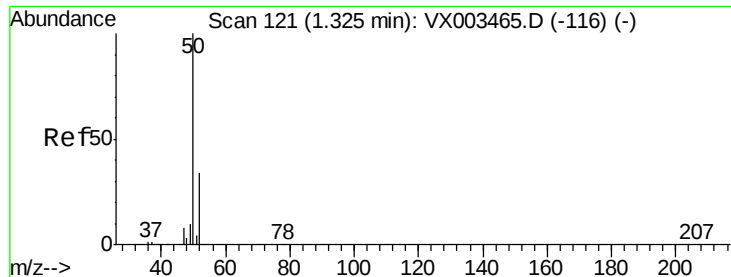
87 0.0 16.0 47.9#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003607.D

Acq: 23 Jul 2018 16:29

Instrument :

MSVOA_X

ClientSampleId :

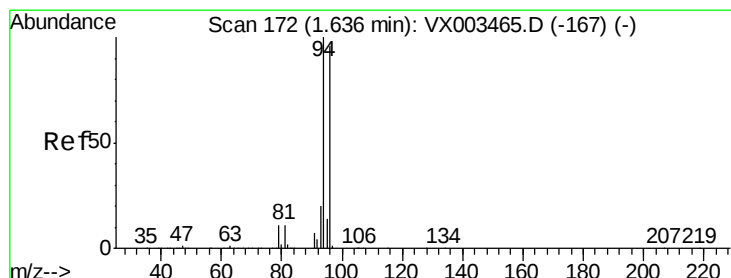
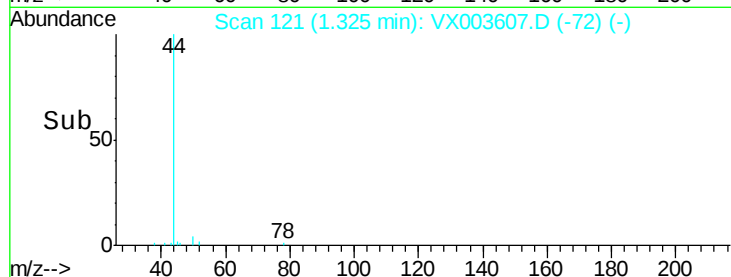
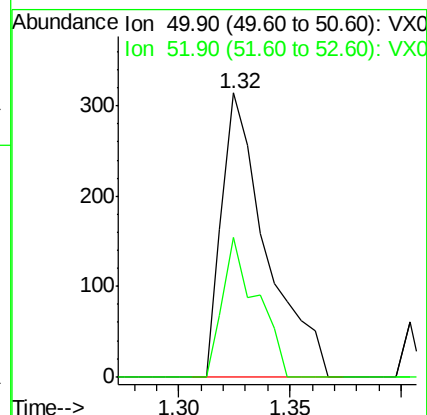
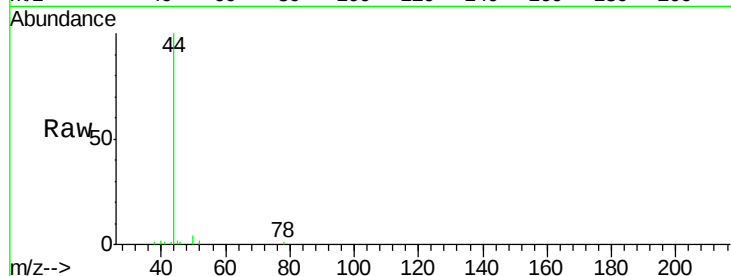
YT-MW-9

Tgt Ion: 50 Resp: 436

Ion Ratio Lower Upper

50 100

52 49.0 25.7 38.5#



#5

Bromomethane

Concen: Below Cal

RT: 1.62 min Scan# 169

Delta R.T. -0.02 min

Lab File: VX003607.D

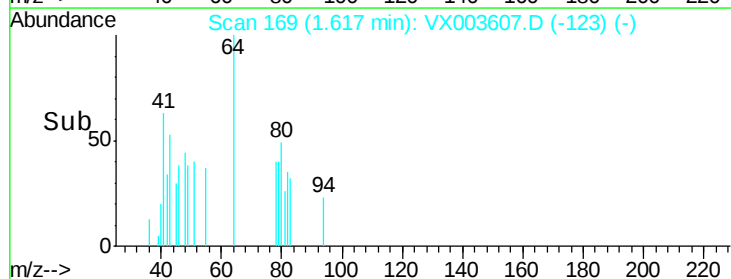
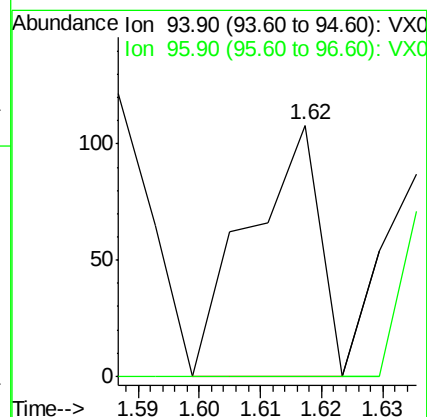
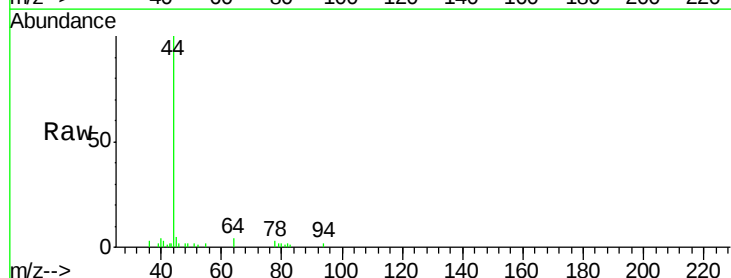
Acq: 23 Jul 2018 16:29

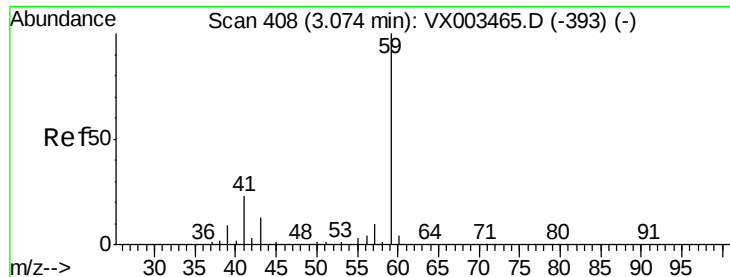
Tgt Ion: 94 Resp: 86

Ion Ratio Lower Upper

94 100

96 0.0 74.9 112.3#

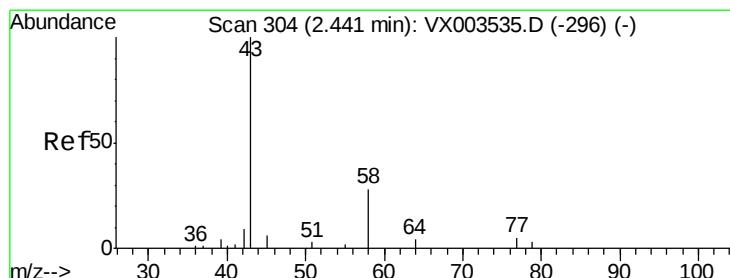
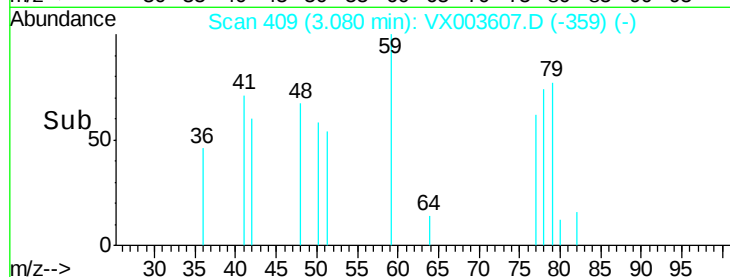
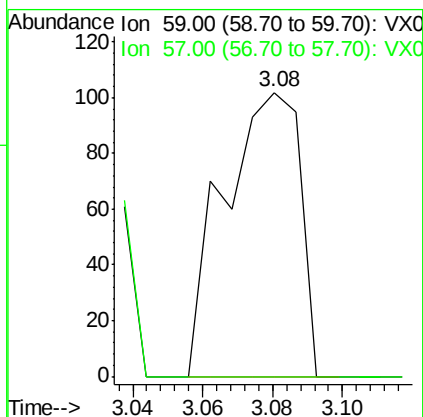
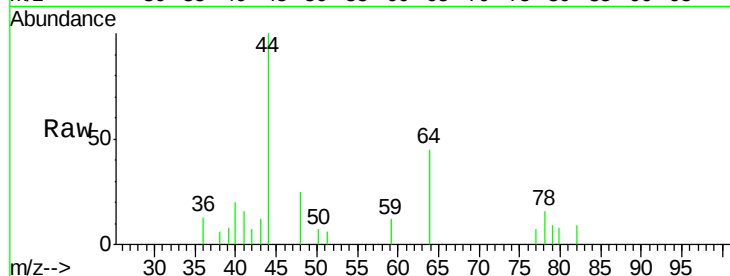




#11
Tert butyl alcohol
Concen: 0.268 ug/l
RT: 3.08 min Scan# 409
Delta R.T. 0.01 min
Lab File: VX003607.D
Acq: 23 Jul 2018 16:29

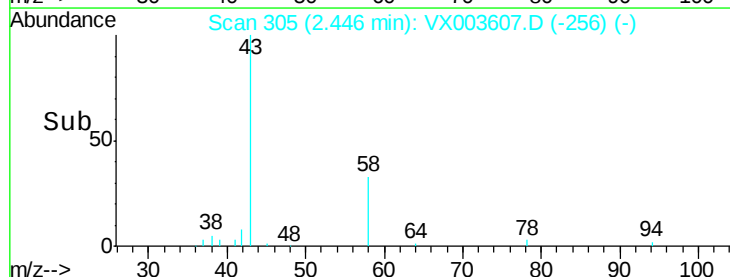
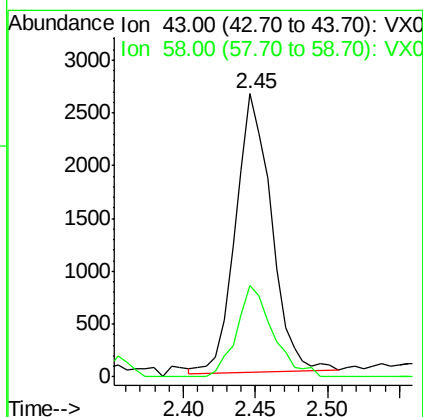
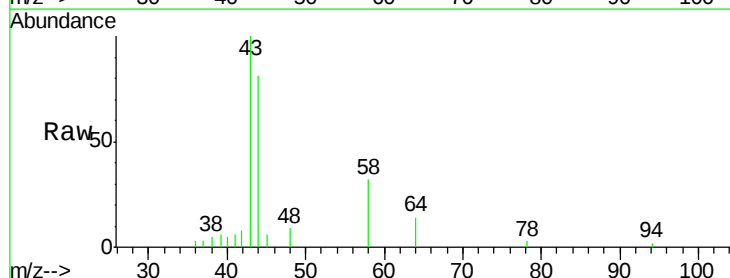
Instrument :
MSVOA_X
ClientSampled :
YT-MW-9

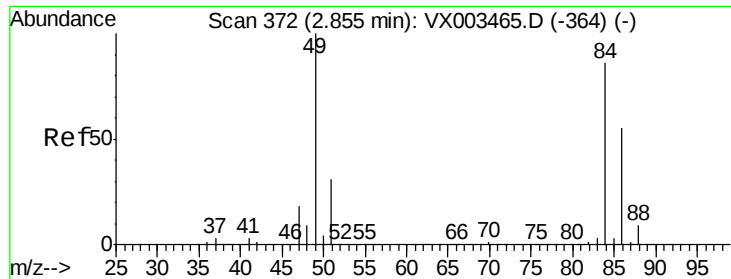
Tgt Ion: 59 Resp: 154
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



#16
Acetone
Concen: 4.149 ug/l
RT: 2.45 min Scan# 305
Delta R.T. -0.00 min
Lab File: VX003607.D
Acq: 23 Jul 2018 16:29

Tgt Ion: 43 Resp: 4557
Ion Ratio Lower Upper
43 100
58 33.1 22.1 33.1





#20

Methylene Chloride

Concen: Below Cal

RT: 2.85 min Scan# 372

Delta R.T. 0.00 min

Lab File: VX003607.D

Acq: 23 Jul 2018 16:29

Instrument :

MSVOA_X

ClientSampled :

YT-MW-9

Tgt Ion: 84 Resp: 1054

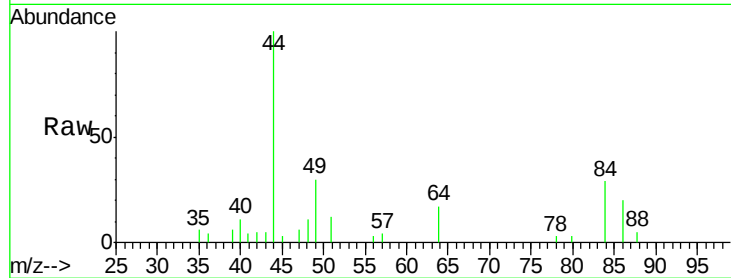
Ion Ratio Lower Upper

84 100

49 102.1 107.8 161.6#

51 40.2 32.8 49.2

86 70.6 52.5 78.7

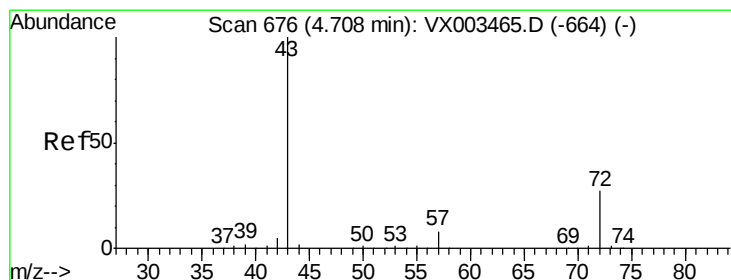
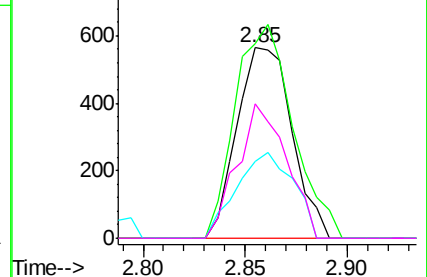
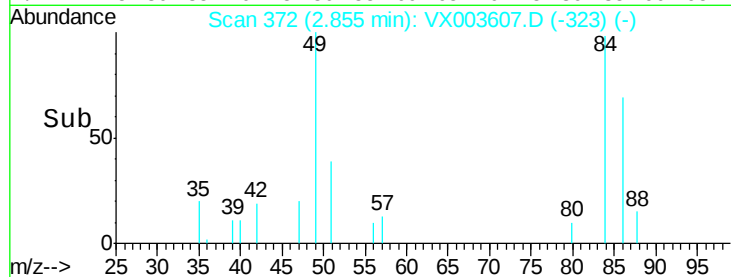


Abundance Ion 83.90 (83.60 to 84.60): VX0

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: 0.372 ug/l

RT: 4.73 min Scan# 679

Delta R.T. 0.02 min

Lab File: VX003607.D

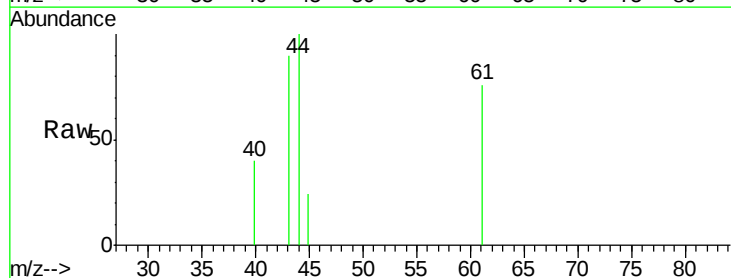
Acq: 23 Jul 2018 16:29

Tgt Ion: 43 Resp: 686

Ion Ratio Lower Upper

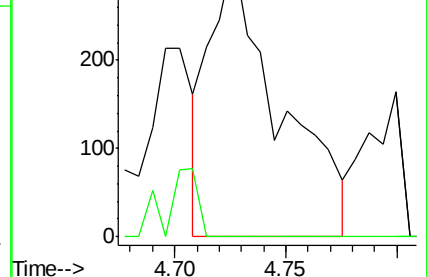
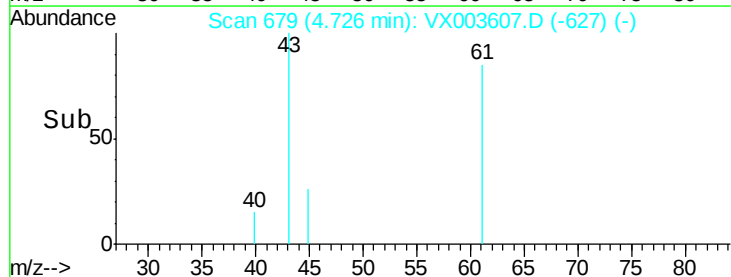
43 100

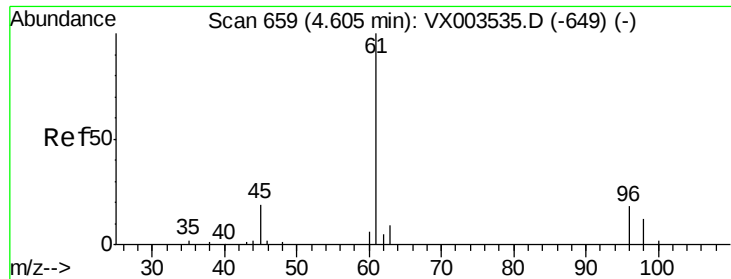
72 0.0 18.5 27.7#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



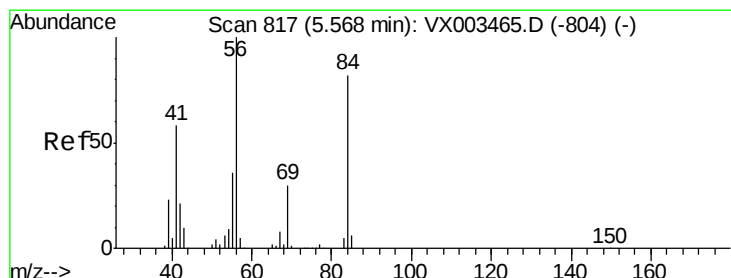
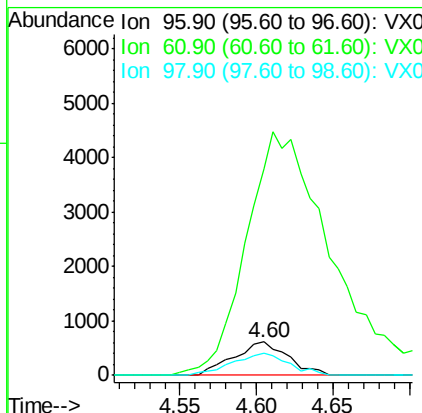
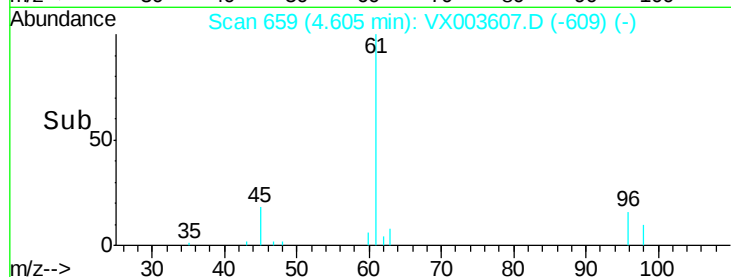
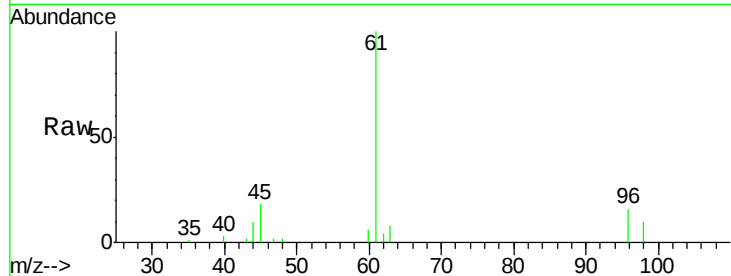


#27

cis-1,2-Dichloroethene
Concen: 0.493 ug/l
RT: 4.60 min Scan# 659
Delta R.T. 0.01 min
Lab File: VX003607.D
Acq: 23 Jul 2018 16:29

Instrument :
MSVOA_X
ClientSampleId :
YT-MW-9

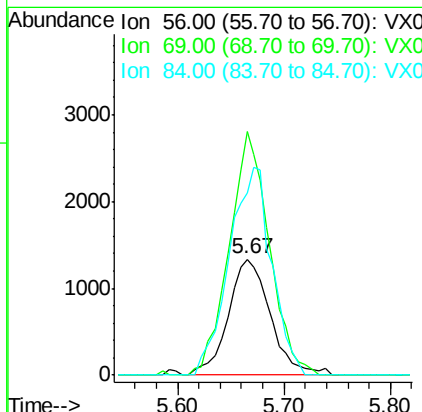
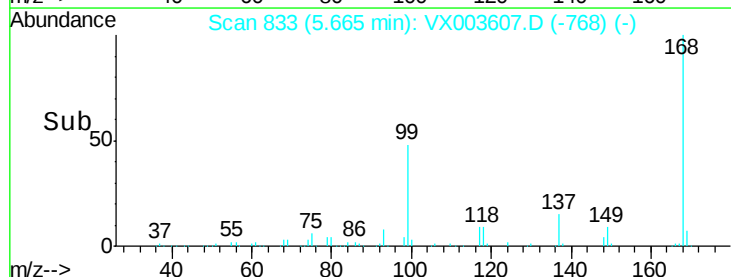
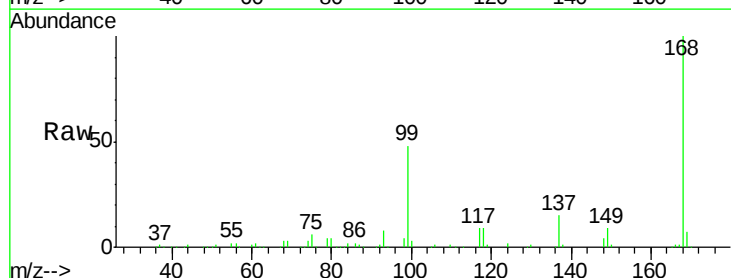
Tgt Ion: 96 Resp: 1531
Ion Ratio Lower Upper
96 100
61 1168.0 0.0 330.2#
98 69.1 0.0 130.2

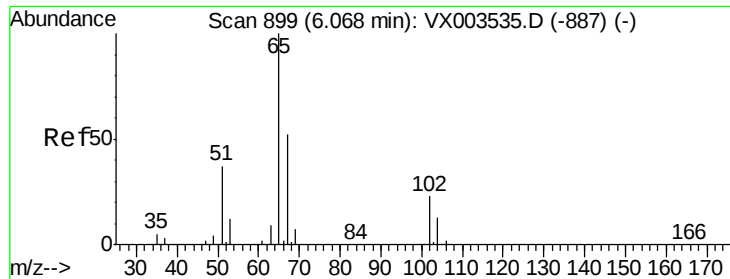


#31

Cyclohexane
Concen: 0.842 ug/l
RT: 5.67 min Scan# 833
Delta R.T. 0.10 min
Lab File: VX003607.D
Acq: 23 Jul 2018 16:29

Tgt Ion: 56 Resp: 3688
Ion Ratio Lower Upper
56 100
69 210.5 23.7 35.5#
84 157.0 64.1 96.1#

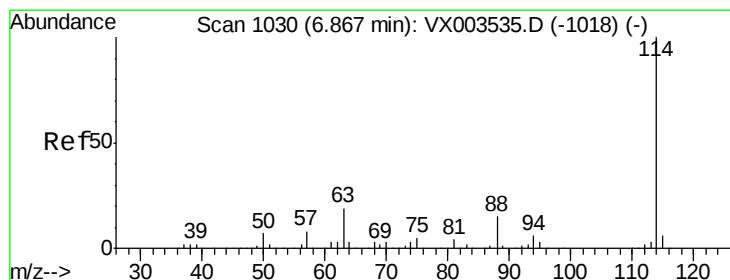
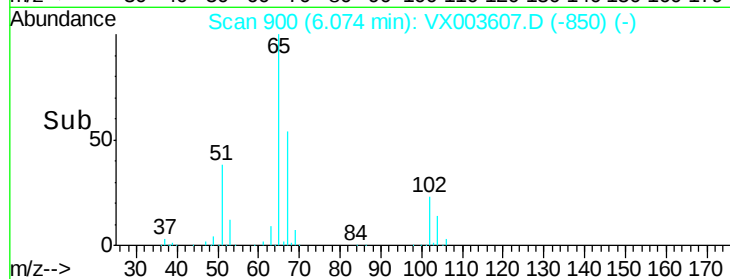
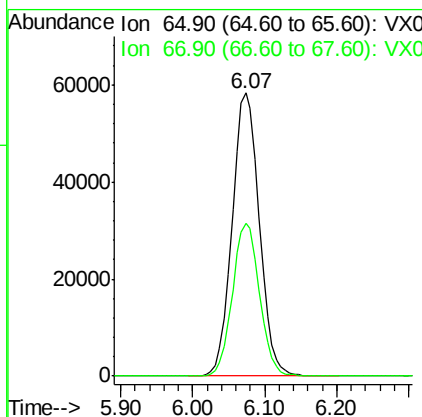
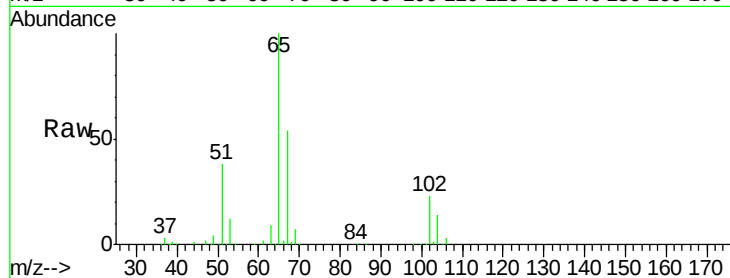




#33
 1,2-Dichloroethane-d4
 Concen: 52.606 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VX003607.D
 Acq: 23 Jul 2018 16:29

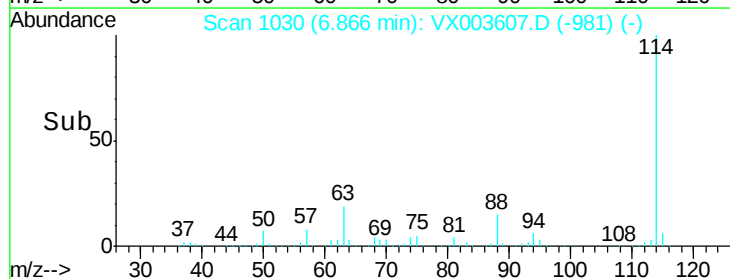
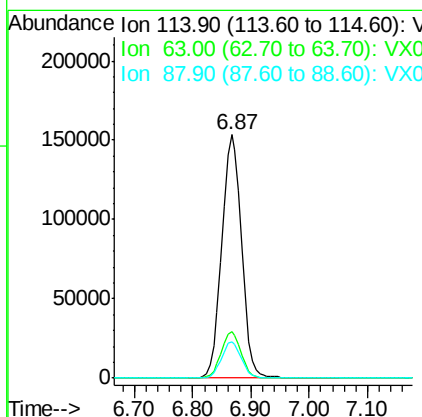
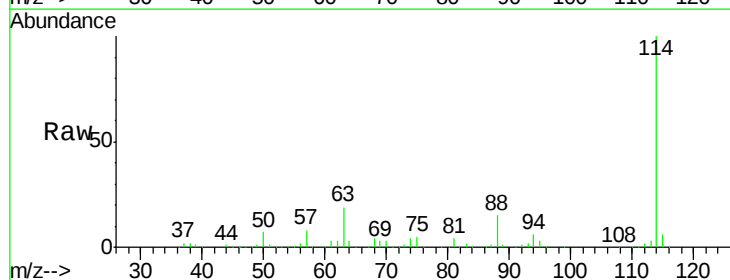
Instrument :
 MSVOA_X
 ClientSampleId :
 YT-MW-9

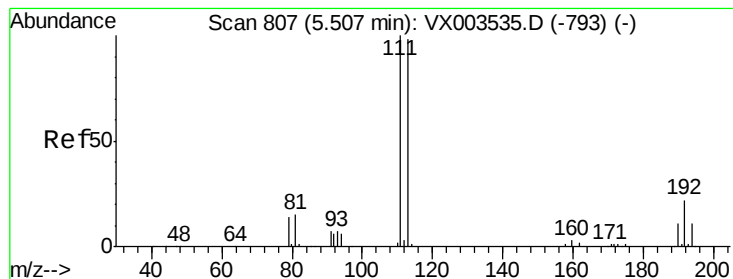
Tgt Ion: 65 Resp: 152959
 Ion Ratio Lower Upper
 65 100
 67 53.8 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX003607.D
 Acq: 23 Jul 2018 16:29

Tgt Ion: 114 Resp: 362710
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 41.4
 88 15.1 0.0 30.0





#35

Dibromofluoromethane

Concen: 50.332 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.00 min

Lab File: VX003607.D

Acq: 23 Jul 2018 16:29

Instrument :

MSVOA_X

ClientSampled :

YT-MW-9

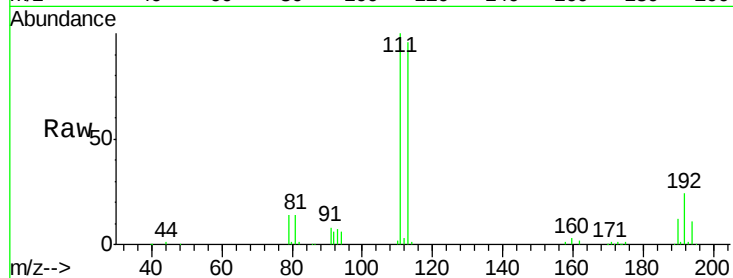
Tgt Ion:113 Resp: 139051

Ion Ratio Lower Upper

113 100

111 102.1 81.4 122.0

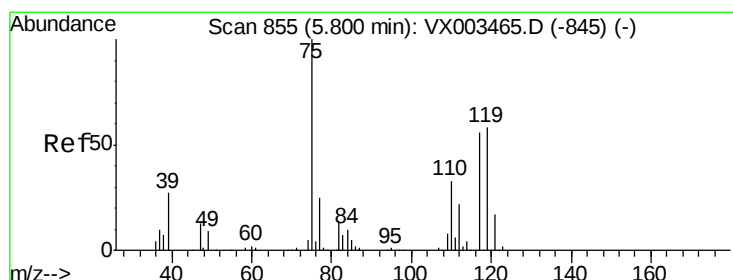
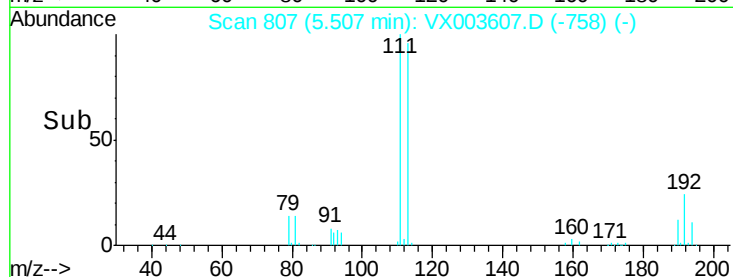
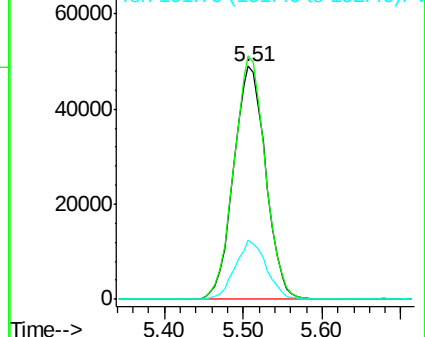
192 24.5 19.1 28.7



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 3.834 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.13 min

Lab File: VX003607.D

Acq: 23 Jul 2018 16:29

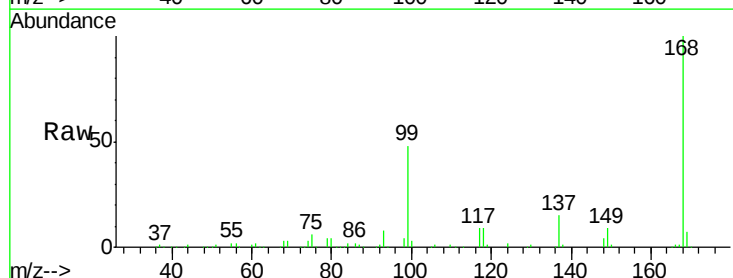
Tgt Ion: 75 Resp: 15014

Ion Ratio Lower Upper

75 100

110 9.7 18.1 54.4#

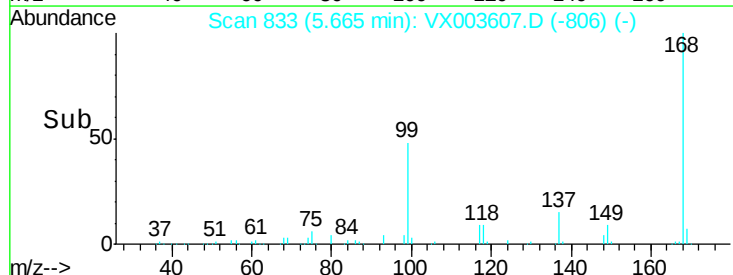
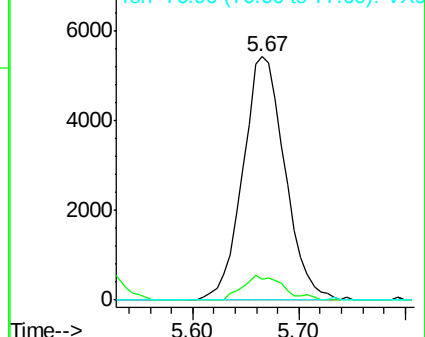
77 0.0 24.3 36.5#

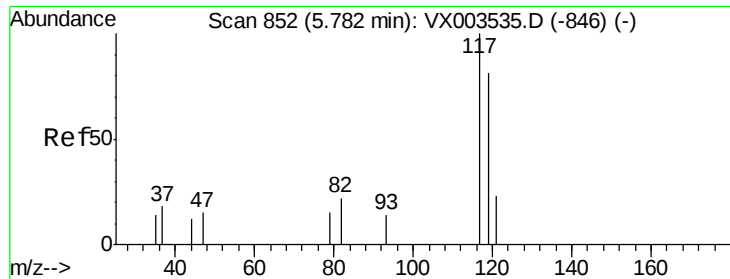


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

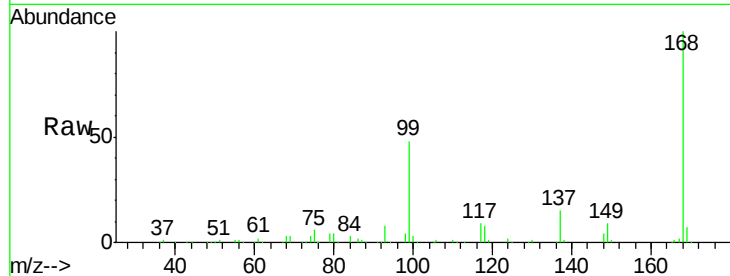




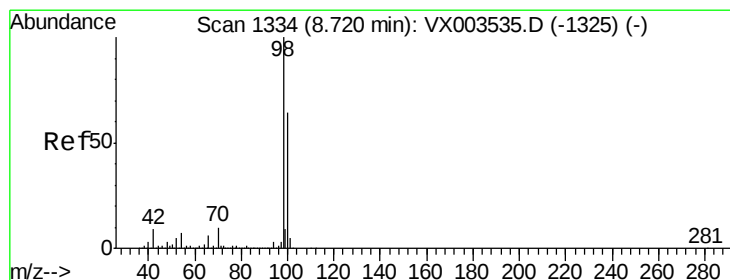
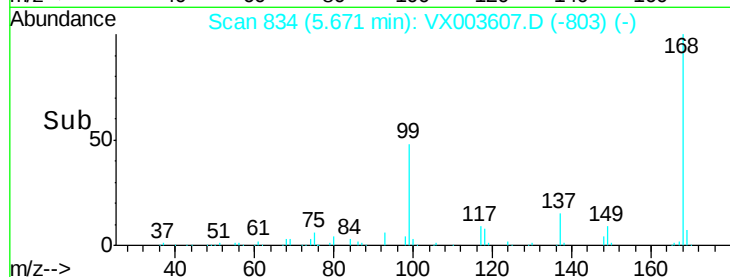
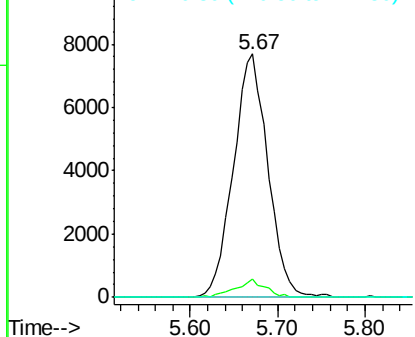
#38
Carbon Tetrachloride
Concen: 5.486 ug/l
RT: 5.67 min Scan# 834
Delta R.T. -0.11 min
Lab File: VX003607.D
Acq: 23 Jul 2018 16:29

Instrument :
MSVOA_X
ClientSampled :
YT-MW-9

Tgt Ion:117 Resp: 21072
Ion Ratio Lower Upper
117 100
119 7.5 77.4 116.0#
121 0.0 24.4 36.6#

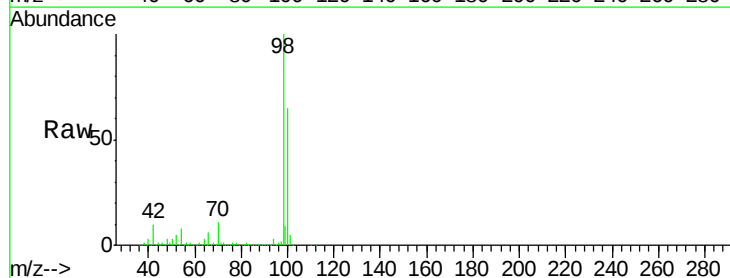


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

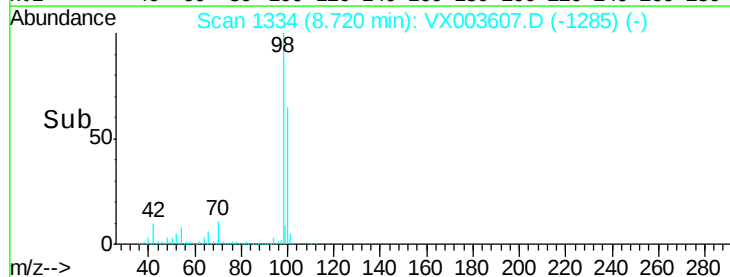
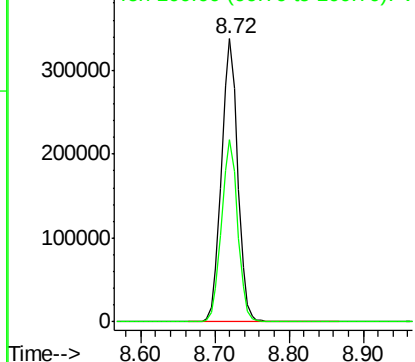


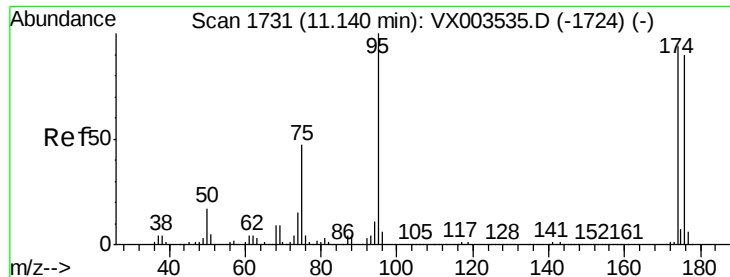
#50
Toluene-d8
Concen: 49.529 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003607.D
Acq: 23 Jul 2018 16:29

Tgt Ion: 98 Resp: 514305
Ion Ratio Lower Upper
98 100
100 63.9 50.9 76.3



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

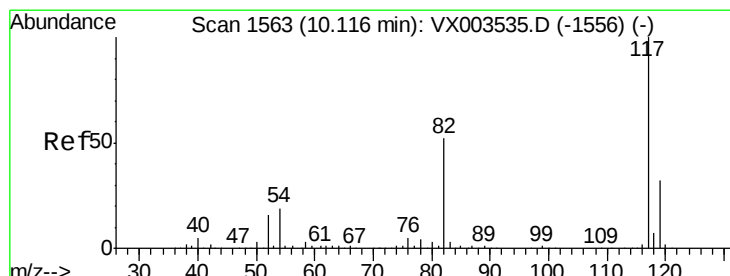
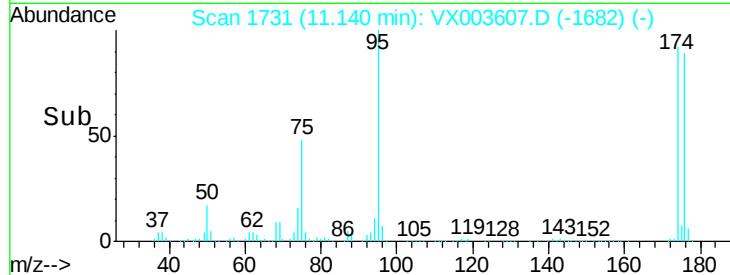
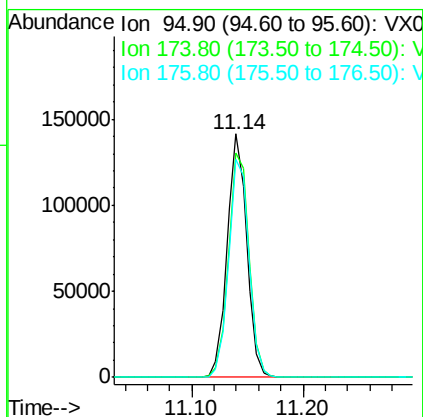
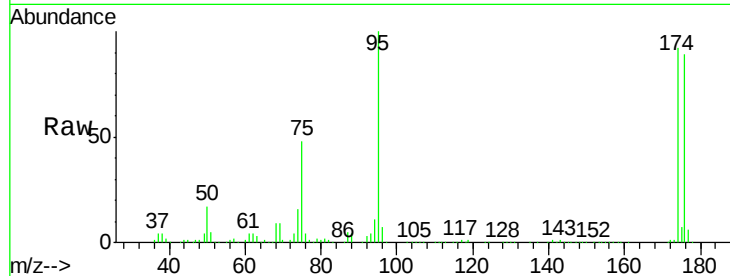




#62
4-Bromofluorobenzene
Concen: 45.386 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX003607.D
Acq: 23 Jul 2018 16:29

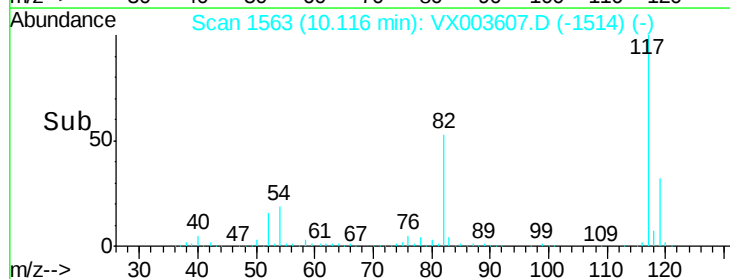
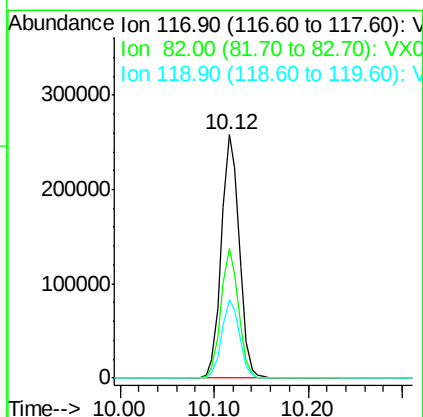
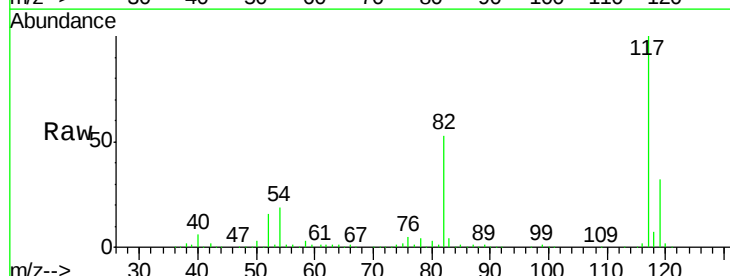
Instrument :
MSVOA_X
ClientSampleId :
YT-MW-9

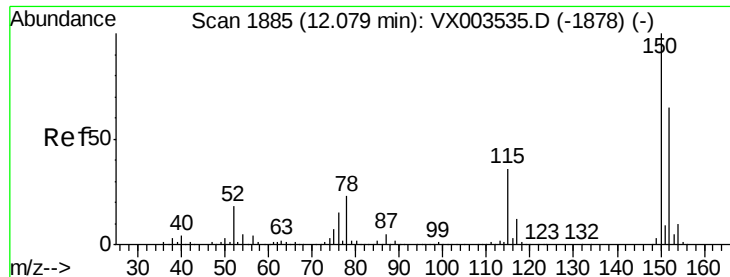
Tgt Ion: 95 Resp: 171989
Ion Ratio Lower Upper
95 100
174 96.7 0.0 187.4
176 92.5 0.0 181.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX003607.D
Acq: 23 Jul 2018 16:29

Tgt Ion: 117 Resp: 340340
Ion Ratio Lower Upper
117 100
82 53.2 45.0 67.4
119 32.2 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1886

Delta R.T. 0.01 min

Lab File: VX003607.D

Acq: 23 Jul 2018 16:29

Instrument :

MSVOA_X

ClientSampleId :

YT-MW-9

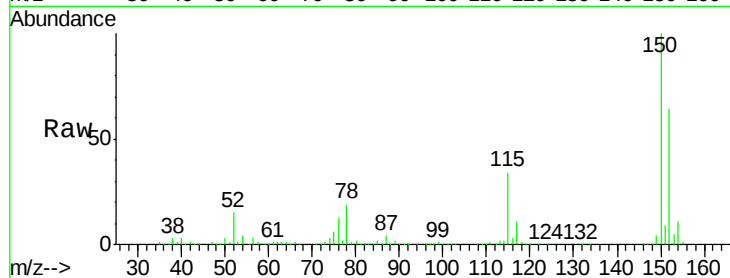
Tgt Ion: 152 Resp: 184968

Ion Ratio Lower Upper

152 100

115 54.5 40.1 120.2

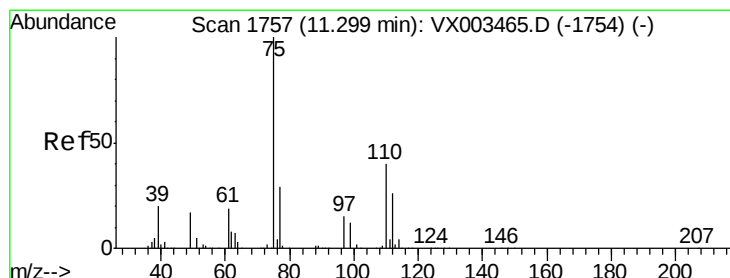
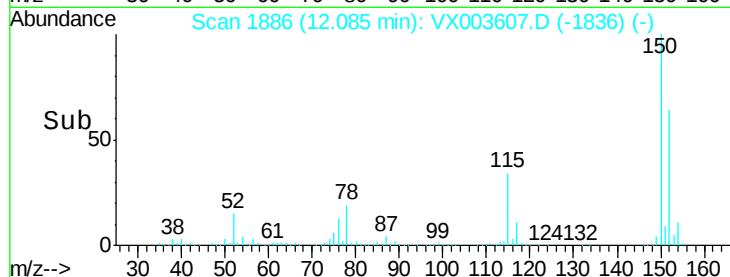
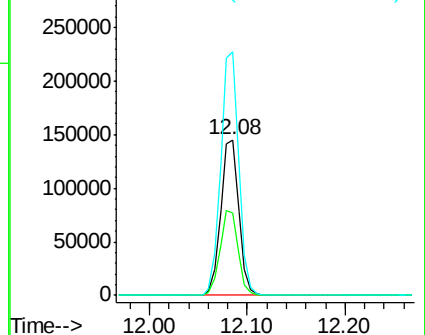
150 156.7 0.0 347.2



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: 24.423 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX003607.D

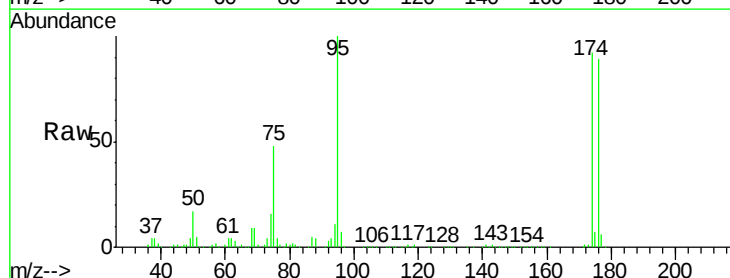
Acq: 23 Jul 2018 16:29

Tgt Ion: 75 Resp: 81157

Ion Ratio Lower Upper

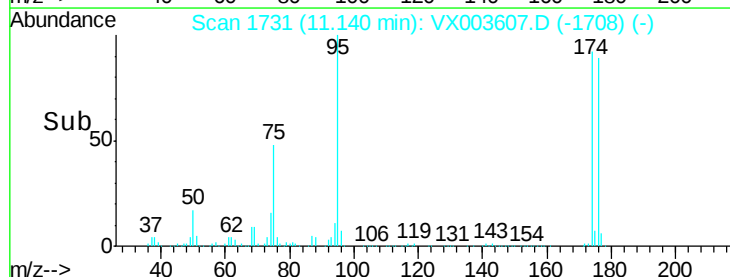
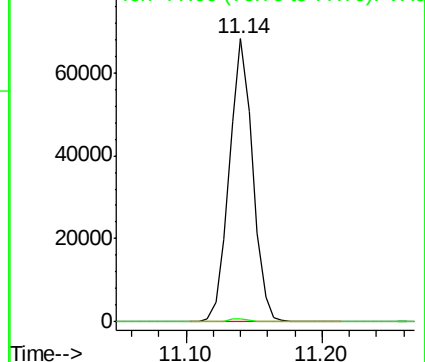
75 100

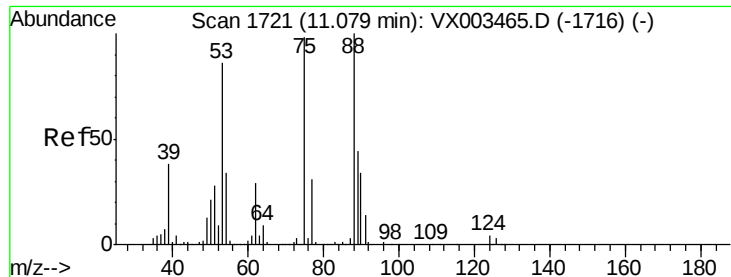
77 1.3 22.8 68.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 68.449 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX003607.D

Acq: 23 Jul 2018 16:29

Instrument :

MSVOA_X

ClientSampleId :

YT-MW-9

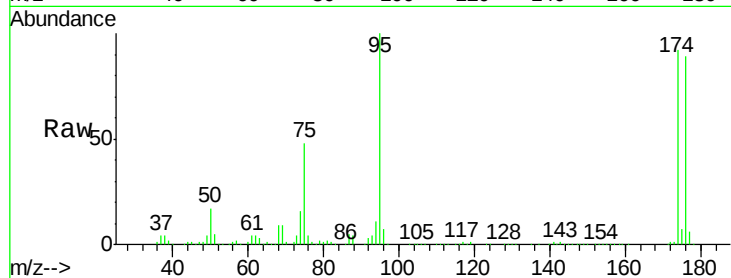
Tgt Ion: 75 Resp: 81157

Ion Ratio Lower Upper

75 100

53 0.1 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

