

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072618\
 Data File : VX003684.D
 Acq On : 26 Jul 2018 21:32
 Operator : JC/SP
 Sample : J4069-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 KY030LC018-W-180718

Quant Time: Jul 27 05:38:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X072418W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 27 02:16:51 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	97000	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	148646	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	141310	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	74658	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	73831	51.38	ug/l	0.00
Spiked Amount 50.000			Recovery =	102.76%		
35) Dibromofluoromethane	5.51	113	62151	51.15	ug/l	0.00
Spiked Amount 50.000			Recovery =	102.30%		
50) Toluene-d8	8.72	98	225826	48.70	ug/l	0.00
Spiked Amount 50.000			Recovery =	97.40%		
62) 4-Bromofluorobenzene	11.14	95	77346	45.73	ug/l	0.00
Spiked Amount 50.000			Recovery =	91.46%		

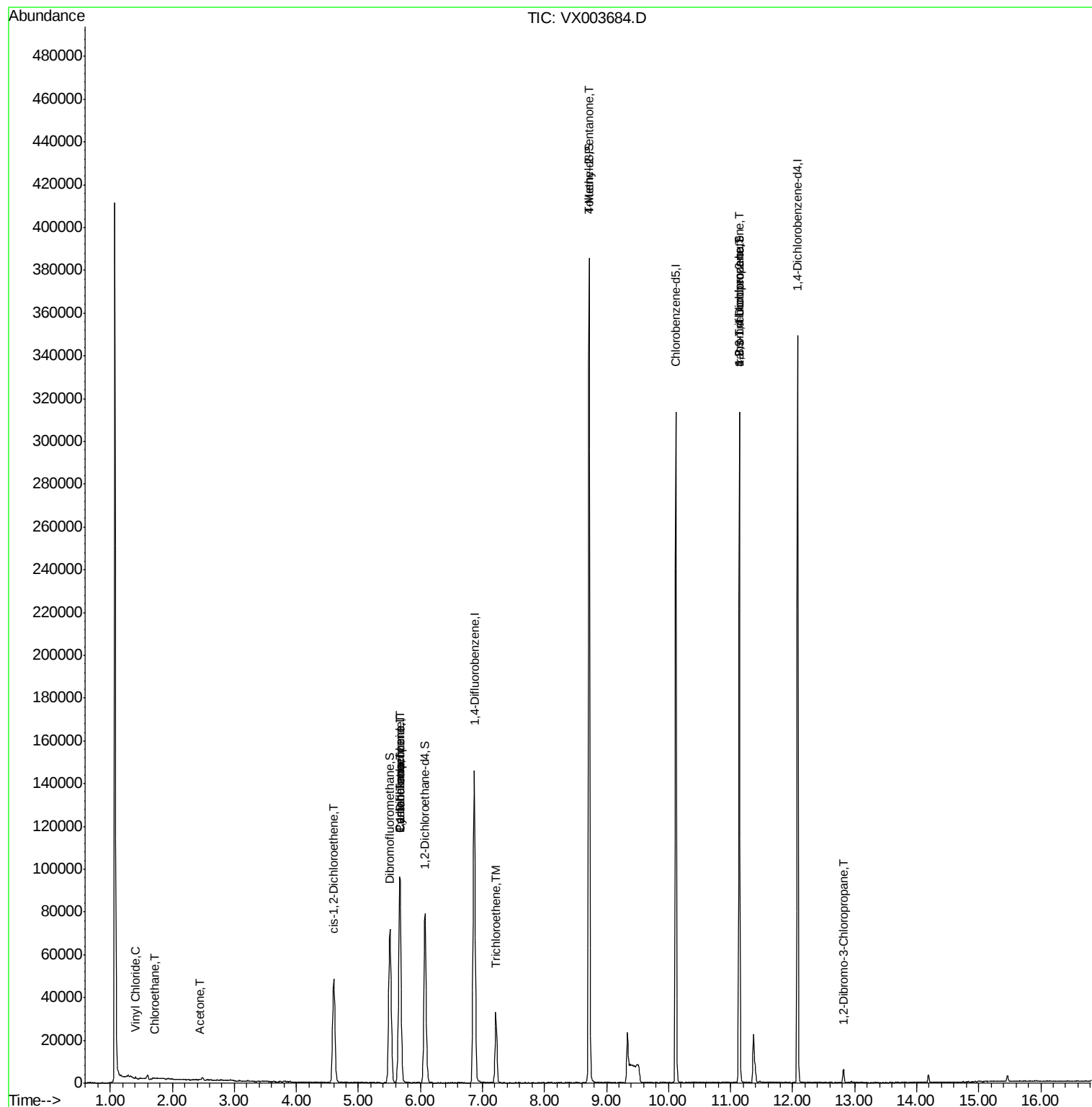
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.40	62	470	0.32	ug/l	100
6) Chloroethane	1.70	64	1279	3.01	ug/l #	42
16) Acetone	2.45	43	551	0.82	ug/l	92
27) cis-1,2-Dichloroethene	4.60	96	32381	24.72	ug/l	87
31) Cyclohexane	5.67	56	1661	0.86	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	6828	3.93	ug/l #	47
38) Carbon Tetrachloride	5.67	117	8736	5.22	ug/l #	14
44) Trichloroethene	7.22	130	13161	9.55	ug/l	99
51) 4-Methyl-2-Pentanone	8.72	43	936	0.46	ug/l #	1
76) 1,2,3-Trichloropropane	11.14	75	38030	24.29	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.14	75	38030	75.24	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	12.82	75	196	0.50	ug/l #	1

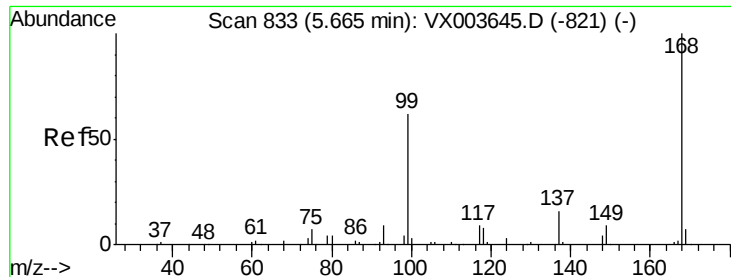
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX072618\
Data File : VX003684.D
Acq On : 26 Jul 2018 21:32
Operator : JC/SP
Sample : J4069-05
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
KY030LC018-W-180718

Quant Time: Jul 27 05:38:26 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X072418W.M
Quant Title : SW846 8260
QLast Update : Fri Jul 27 02:16:51 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: VX003684.D

Acq: 26 Jul 2018 21:32

Instrument :

MSVOA_X

ClientSampleId :

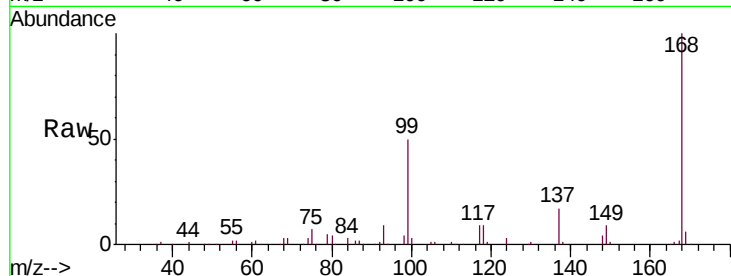
KY030LC018-W-180718

Tot Ion:168 Resp: 97000

Ion Ratio Lower Upper

168 100

99 50.0 49.5 74.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

40000

30000

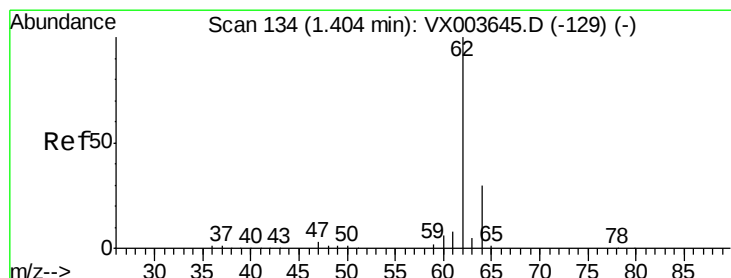
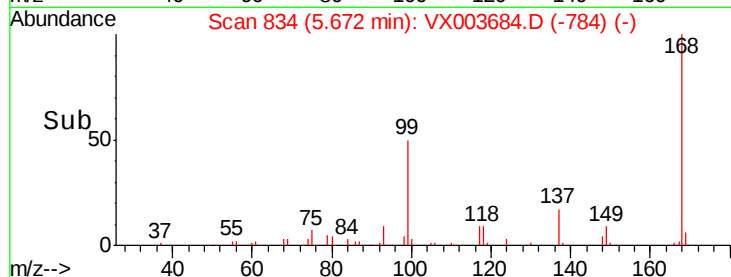
20000

10000

0

Time-->

5.60 5.70 5.80



#4

Vinyl Chloride

Concen: 0.32 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX003684.D

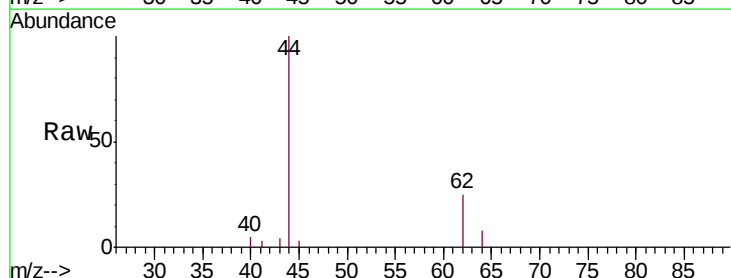
Acq: 26 Jul 2018 21:32

Tgt Ion: 62 Resp: 470

Ion Ratio Lower Upper

62 100

64 30.7 24.4 36.6



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.40

500

400

300

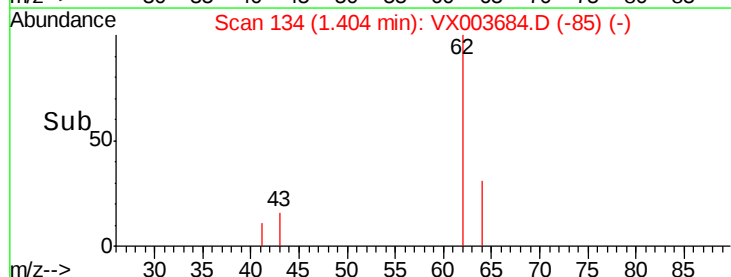
200

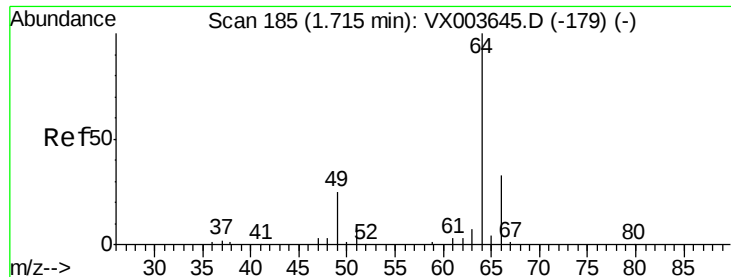
100

0

Time-->

1.40 1.45





#6

Chloroethane

Concen: 3.01 ug/l

RT: 1.70 min Scan# 183

Delta R.T. -0.01 min

Lab File: VX003684.D

Acq: 26 Jul 2018 21:32

Instrument :

MSVOA_X

ClientSampleId :

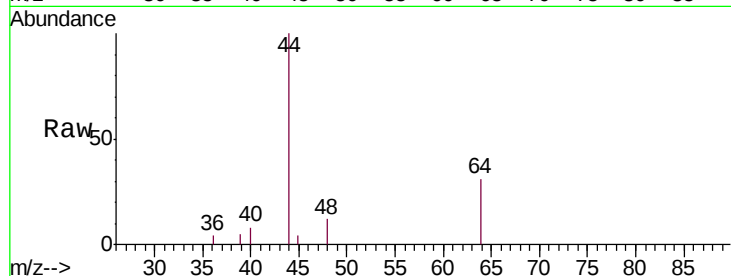
KY030LC018-W-180718

Tot Ion: 64 Resp: 1279

Ion Ratio Lower Upper

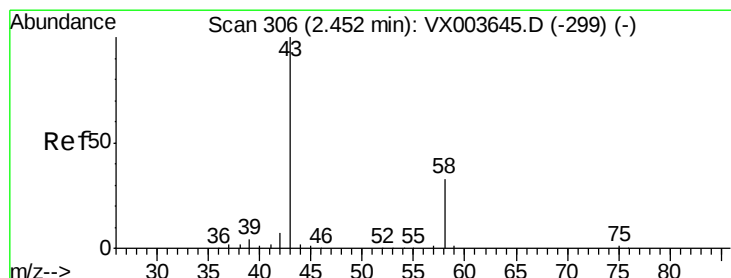
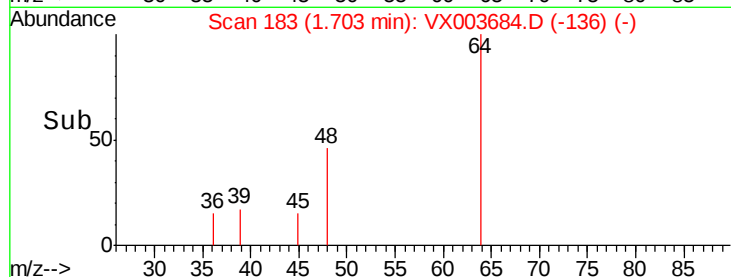
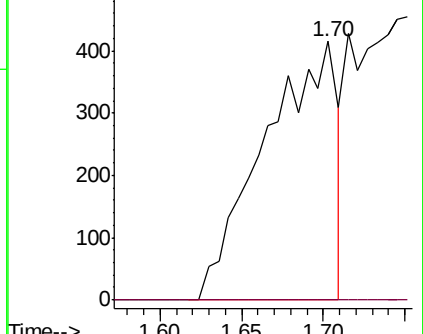
64 100

66 0.0 26.3 39.5#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#16

Acetone

Concen: 0.82 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX003684.D

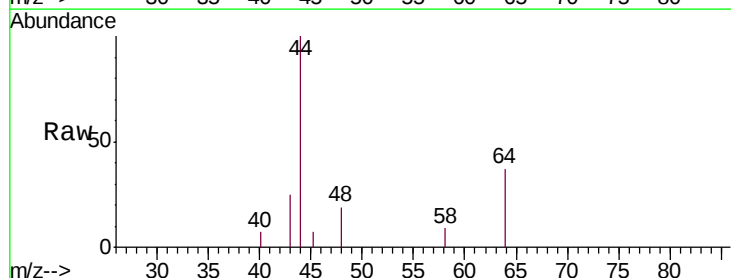
Acq: 26 Jul 2018 21:32

Tgt Ion: 43 Resp: 551

Ion Ratio Lower Upper

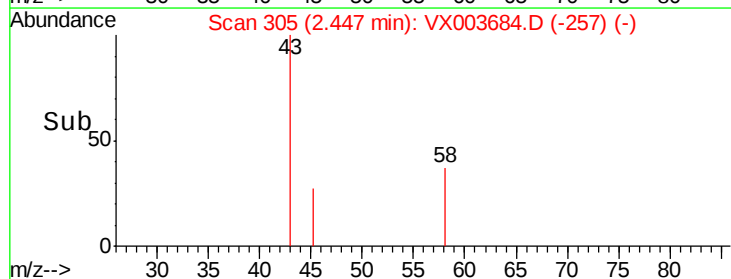
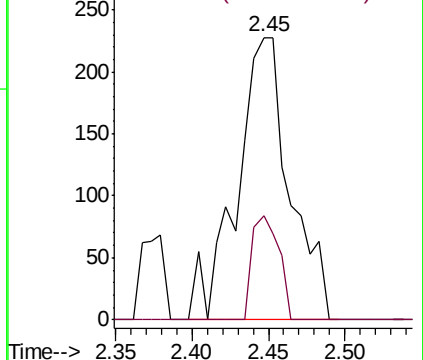
43 100

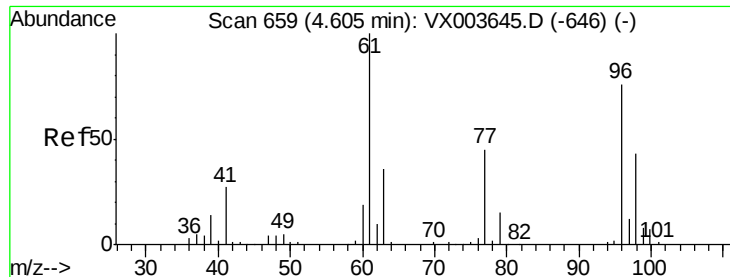
58 36.8 26.1 39.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#27

cis-1,2-Dichloroethene

Concen: 24.72 ug/l

RT: 4.60 min Scan# 659

Delta R.T. 0.00 min

Lab File: VX003684.D

Acq: 26 Jul 2018 21:32

Instrument :

MSVOA_X

ClientSampleId :

KY030LC018-W-180718

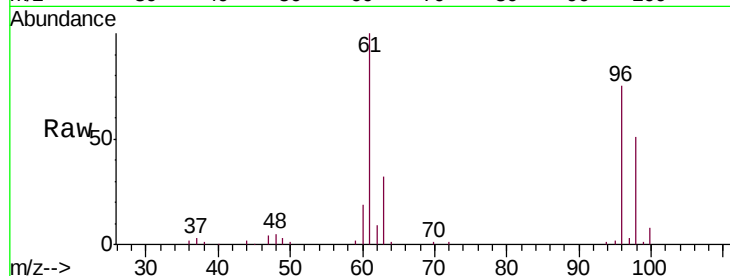
Tot Ion: 96 Resp: 32381

Ion Ratio Lower Upper

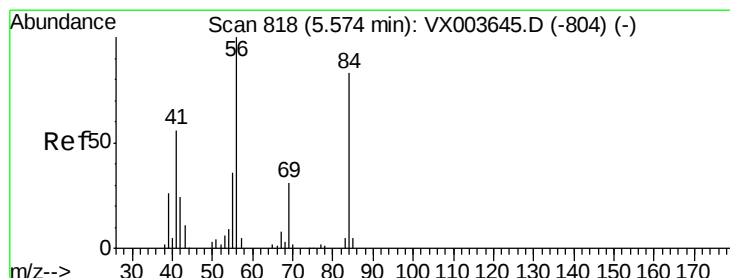
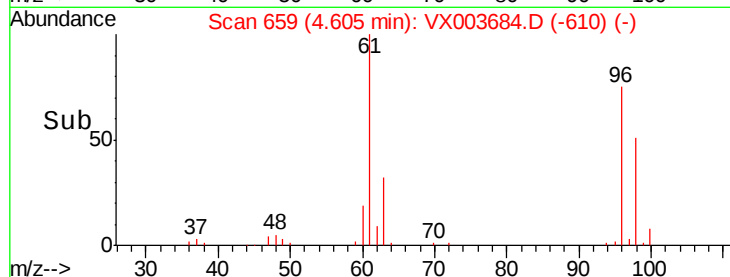
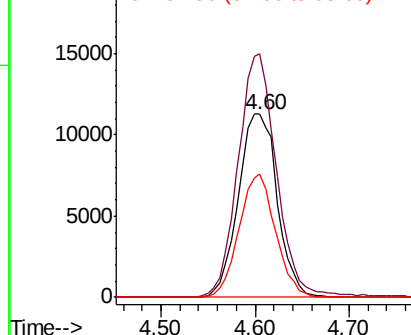
96 100

61 132.4 0.0 313.6

98 63.0 0.0 125.6



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



#31

Cyclohexane

Concen: 0.86 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.09 min

Lab File: VX003684.D

Acq: 26 Jul 2018 21:32

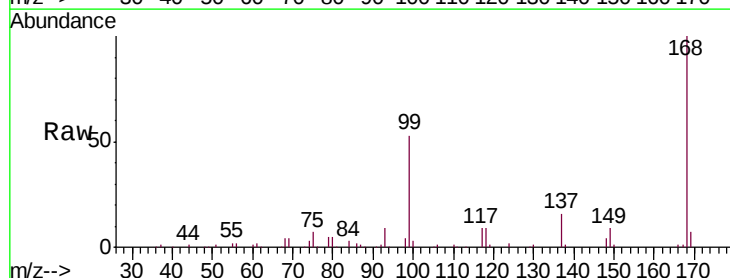
Tgt Ion: 56 Resp: 1661

Ion Ratio Lower Upper

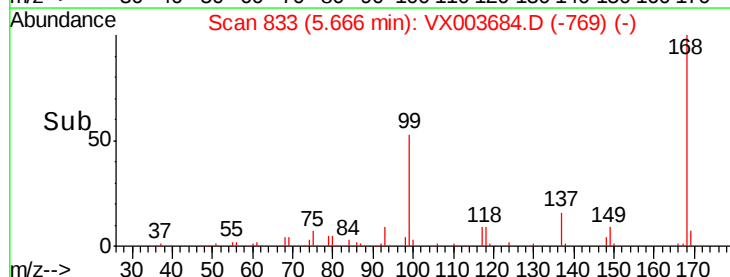
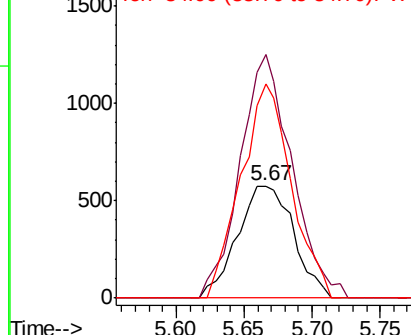
56 100

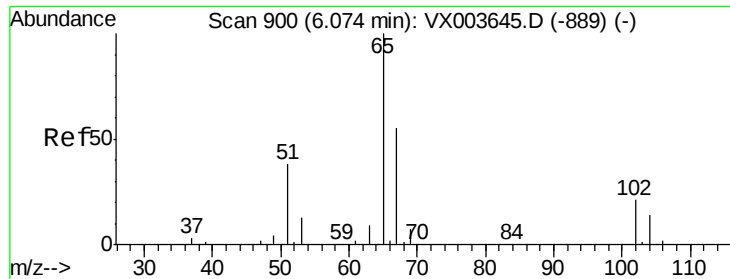
69 217.2 25.0 37.6#

84 190.5 66.5 99.7#



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

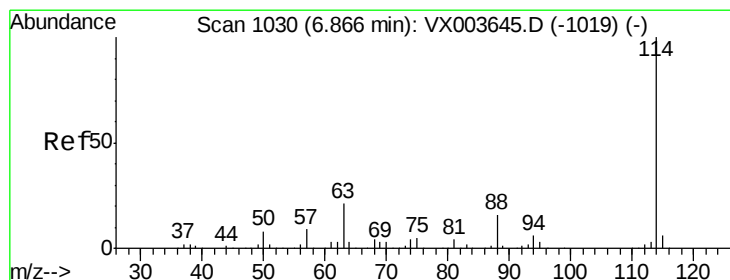
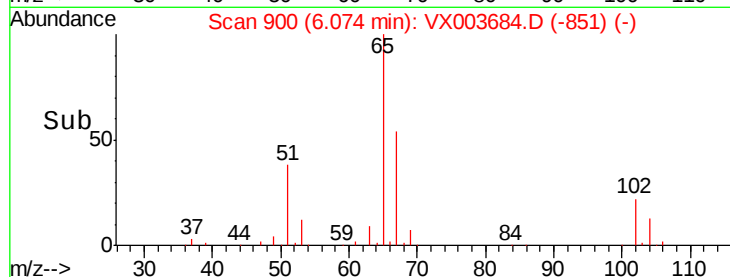
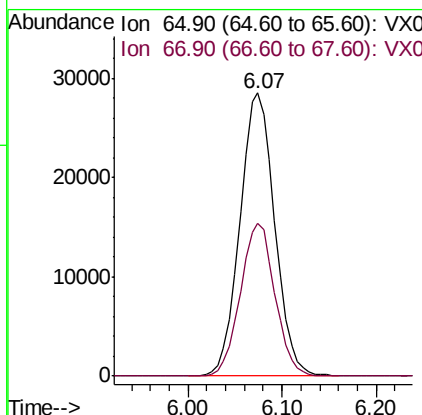
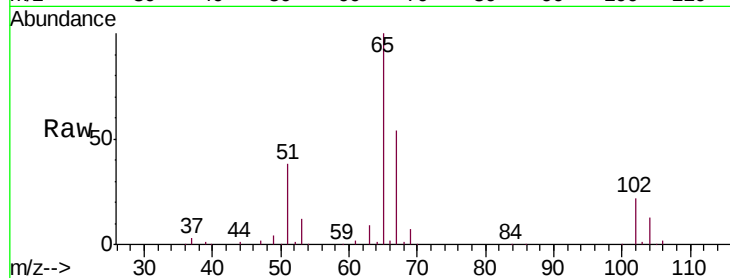




#33
 1,2-Dichloroethane-d4
 Concen: 51.38 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX003684.D
 Acq: 26 Jul 2018 21:32

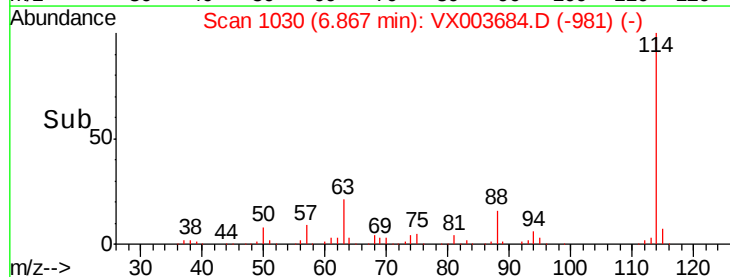
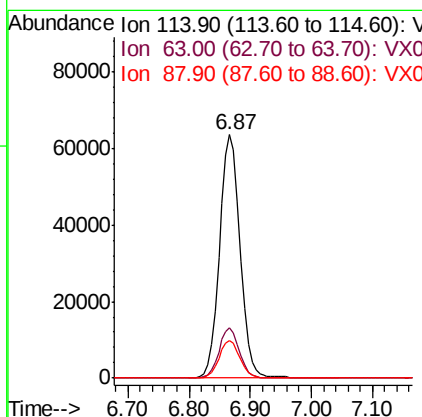
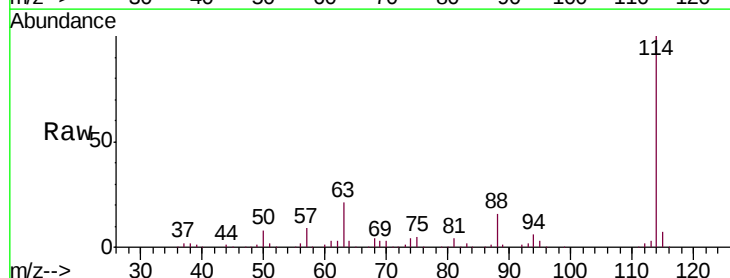
Instrument :
 MSVOA_X
 ClientSampleId :
 KY030LC018-W-180718

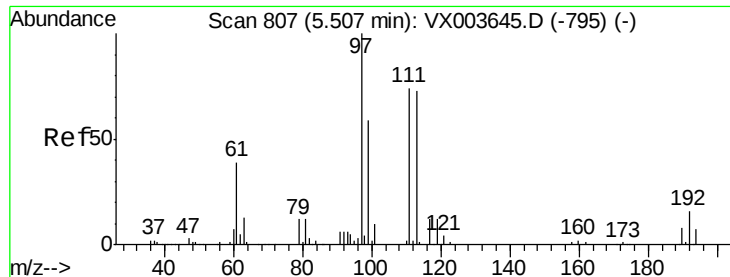
Tot Ion: 65 Resp: 73831
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 107.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX003684.D
 Acq: 26 Jul 2018 21:32

Tgt Ion: 114 Resp: 148646
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 41.0
 88 15.6 0.0 31.8

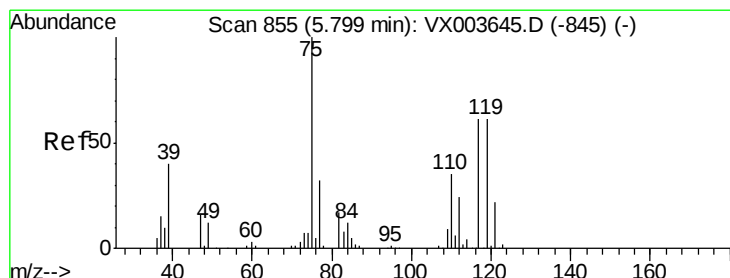
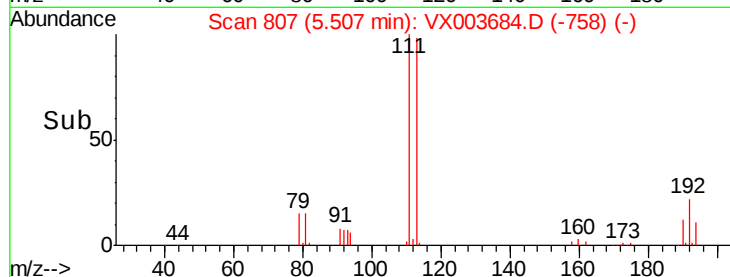
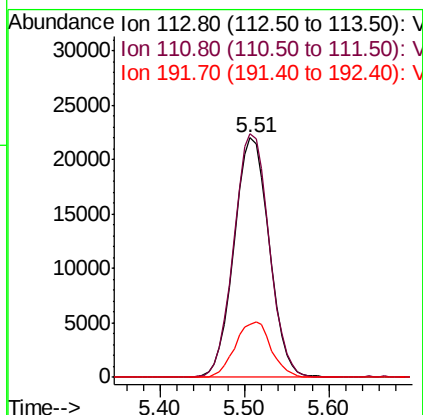
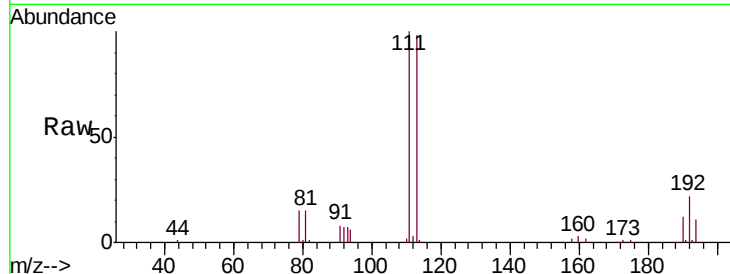




#35
 Dibromofluoromethane
 Concen: 51.15 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.00 min
 Lab File: VX003684.D
 Acq: 26 Jul 2018 21:32

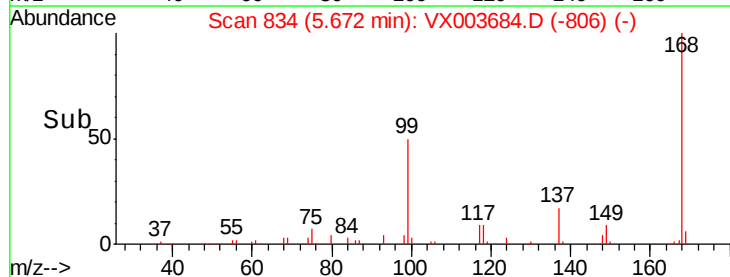
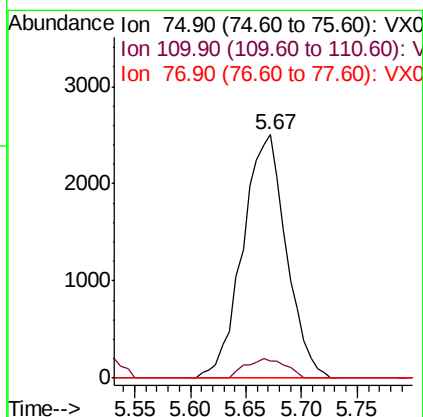
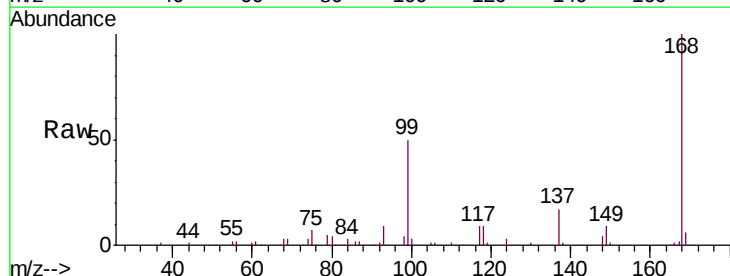
Instrument :
 MSVOA_X
 ClientSampleId :
 KY030LC018-W-180718

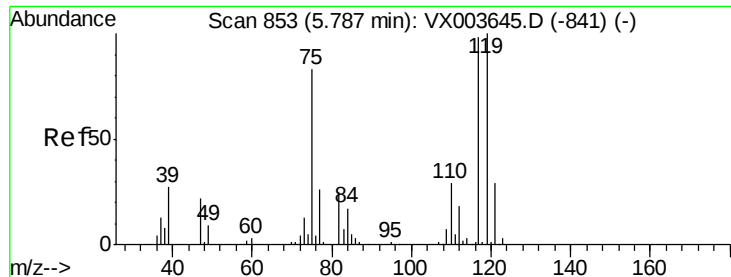
Tot Ion:113 Resp: 62151
 Ion Ratio Lower Upper
 113 100
 111 102.3 81.2 121.8
 192 23.5 18.2 27.4



#36
 1,1-Dichloropropene
 Concen: 3.93 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.13 min
 Lab File: VX003684.D
 Acq: 26 Jul 2018 21:32

Tgt Ion: 75 Resp: 6828
 Ion Ratio Lower Upper
 75 100
 110 7.3 18.1 54.1#
 77 0.0 25.1 37.7#





#38

Carbon Tetrachloride

Concen: 5.22 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX003684.D

Acq: 26 Jul 2018 21:32

Instrument :

MSVOA_X

ClientSampleId :

KY030LC018-W-180718

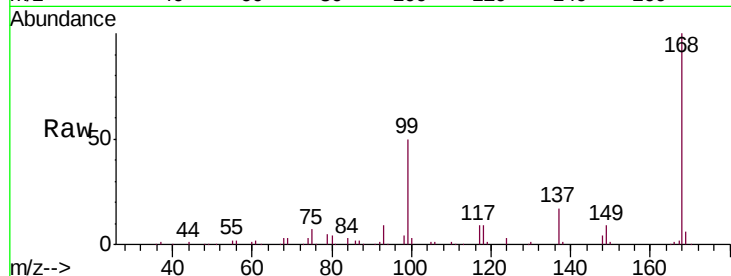
Tot Ion:117 Resp: 8736

Ion Ratio Lower Upper

117 100

119 6.1 81.0 121.4#

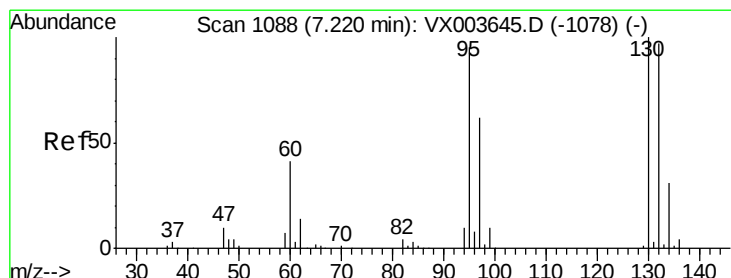
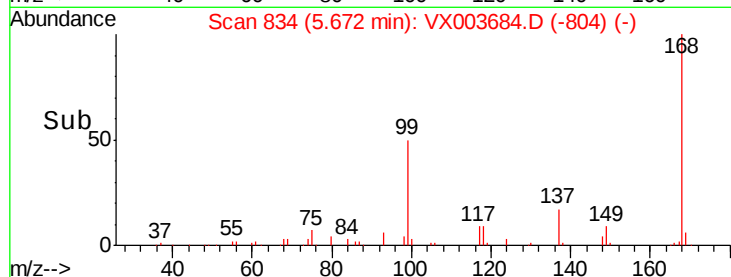
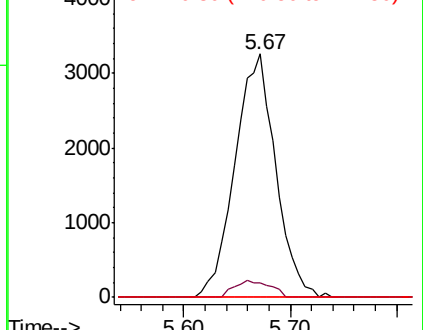
121 0.0 23.7 35.5#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#44

Trichloroethene

Concen: 9.55 ug/l

RT: 7.22 min Scan# 1088

Delta R.T. 0.00 min

Lab File: VX003684.D

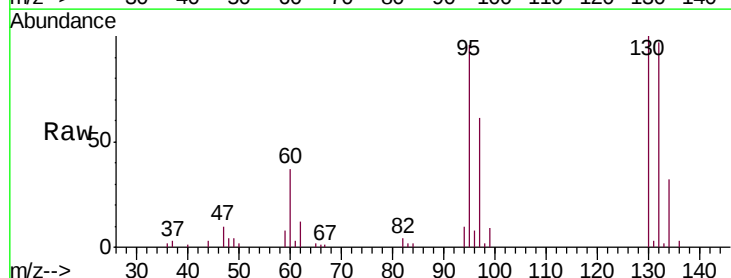
Acq: 26 Jul 2018 21:32

Tgt Ion:130 Resp: 13161

Ion Ratio Lower Upper

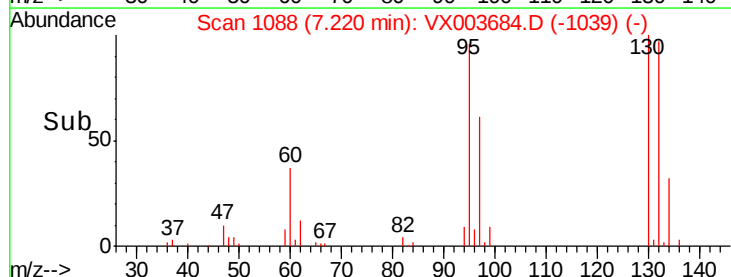
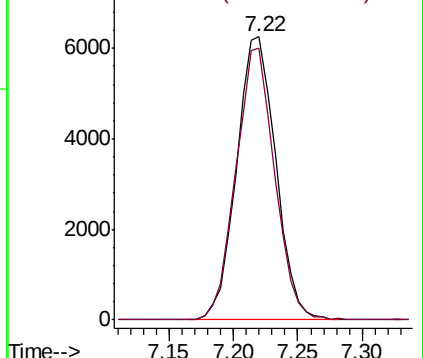
130 100

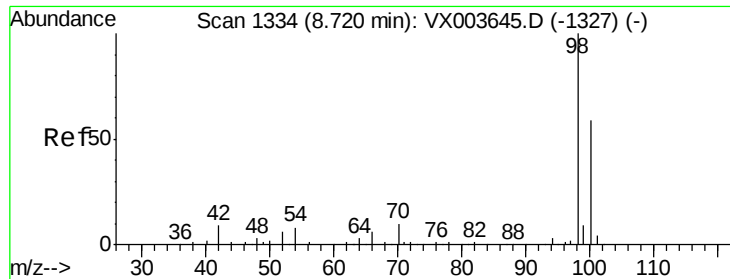
95 96.0 0.0 190.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#50

Toluene-d8

Concen: 48.70 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX003684.D

Acq: 26 Jul 2018 21:32

Instrument :

MSVOA_X

ClientSampleId :

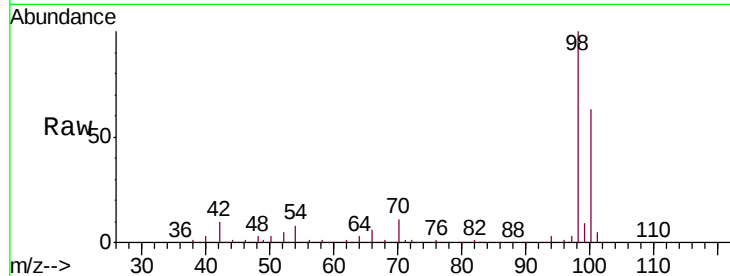
KY030LC018-W-180718

Tot Ion: 98 Resp: 225826

Ion Ratio Lower Upper

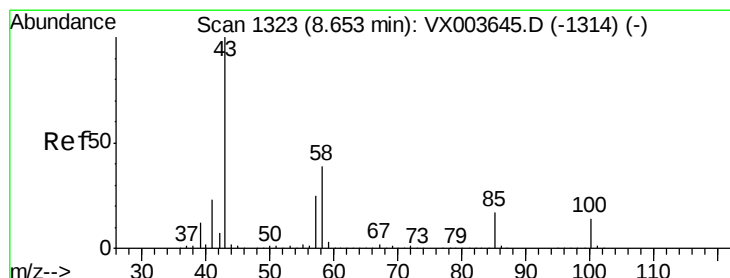
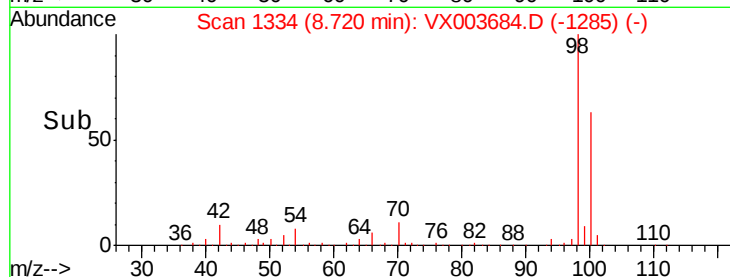
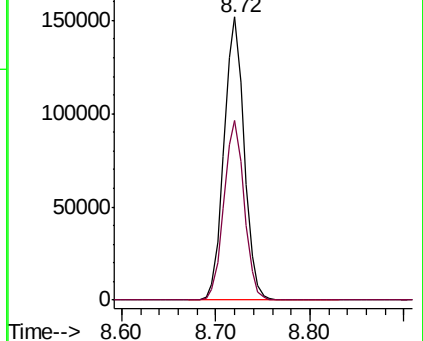
98 100

100 63.7 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#51

4-Methyl-2-Pentanone

Concen: 0.46 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.07 min

Lab File: VX003684.D

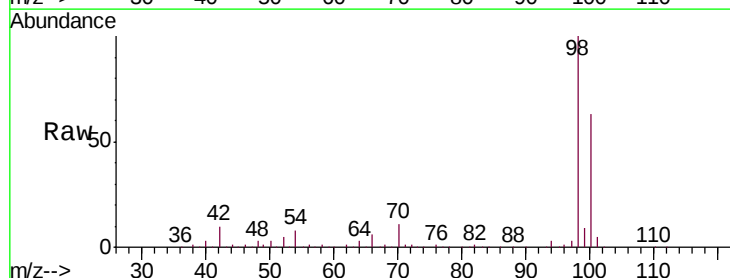
Acq: 26 Jul 2018 21:32

Tgt Ion: 43 Resp: 936

Ion Ratio Lower Upper

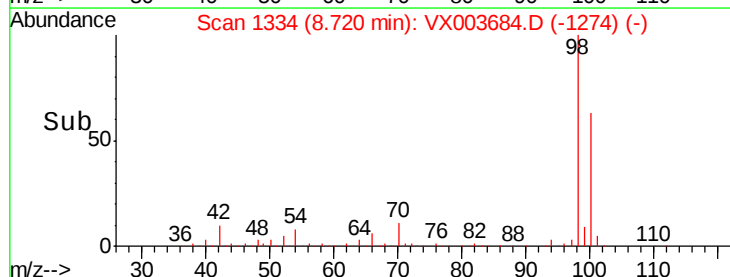
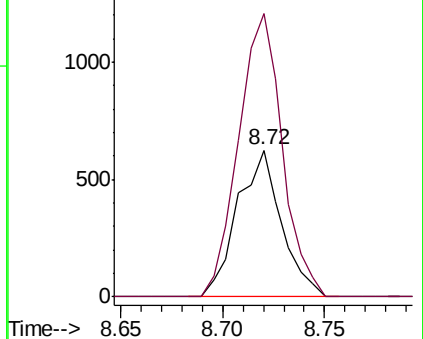
43 100

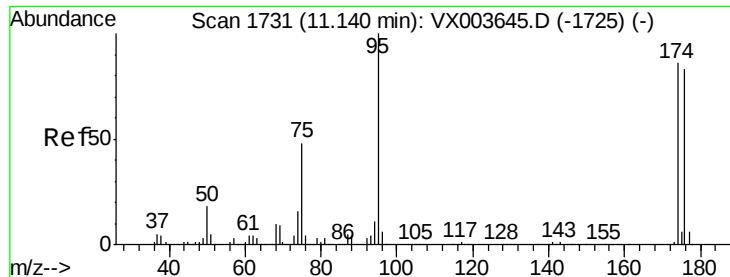
58 192.1 31.5 47.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#62

4-Bromofluorobenzene

Concen: 45.73 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003684.D

Acq: 26 Jul 2018 21:32

Instrument :

MSVOA_X

ClientSampleId :

KY030LC018-W-180718

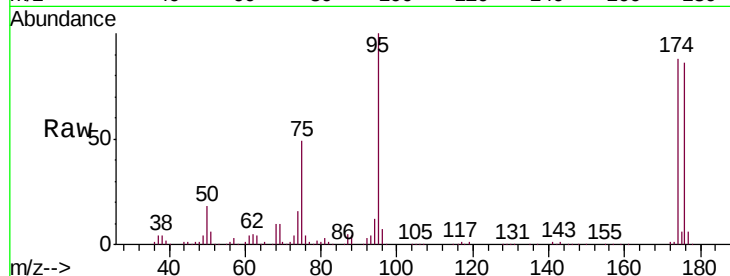
Tot Ion: 95 Resp: 77346

Ion Ratio Lower Upper

95 100

174 91.2 0.0 179.0

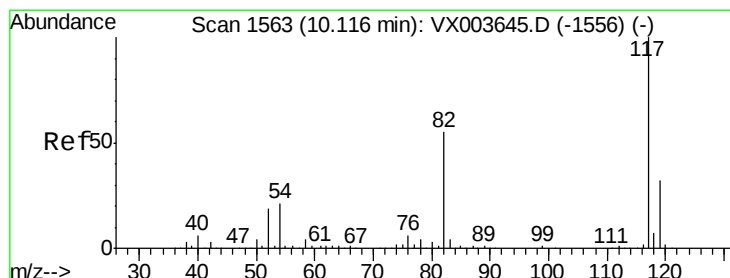
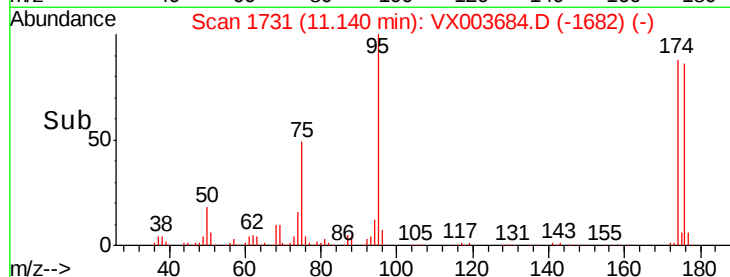
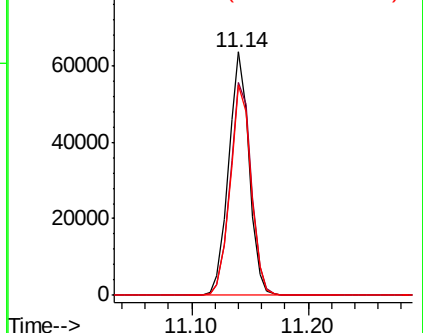
176 88.3 0.0 173.0



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: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VX003684.D

Acq: 26 Jul 2018 21:32

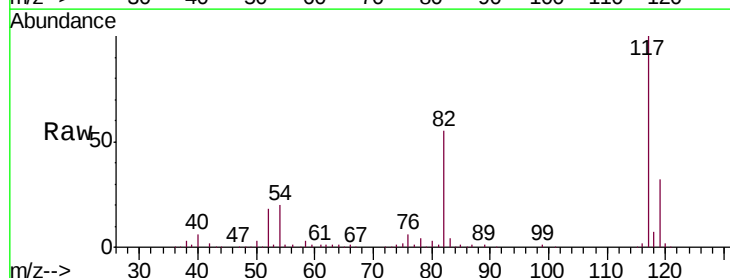
Tgt Ion: 117 Resp: 141310

Ion Ratio Lower Upper

117 100

82 55.3 44.3 66.5

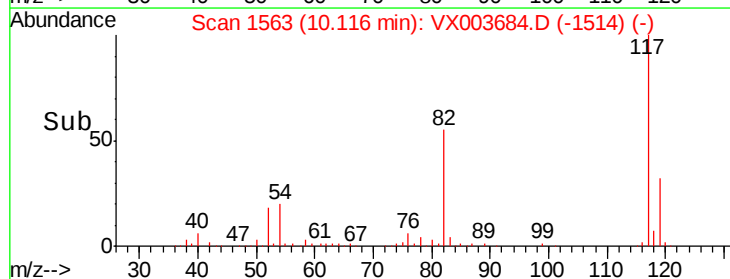
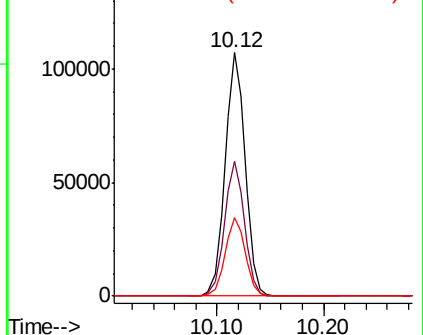
119 32.2 25.6 38.4

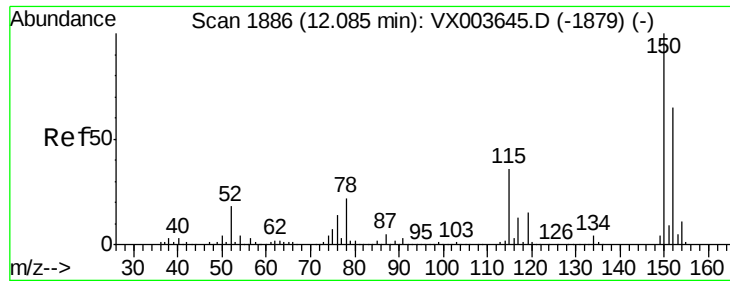


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VX003684.D

Acq: 26 Jul 2018 21:32

Instrument :

MSVOA_X

ClientSampleId :

KY030LC018-W-180718

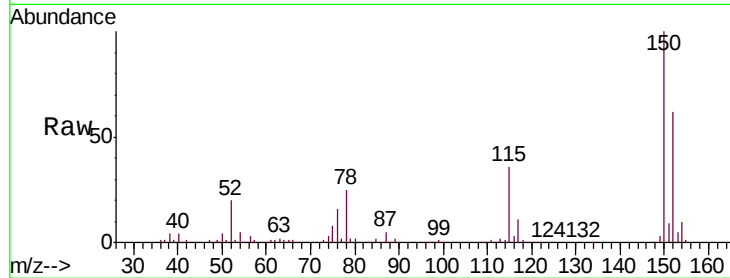
Tot Ion:152 Resp: 74658

Ion Ratio Lower Upper

152 100

115 55.1 40.0 119.9

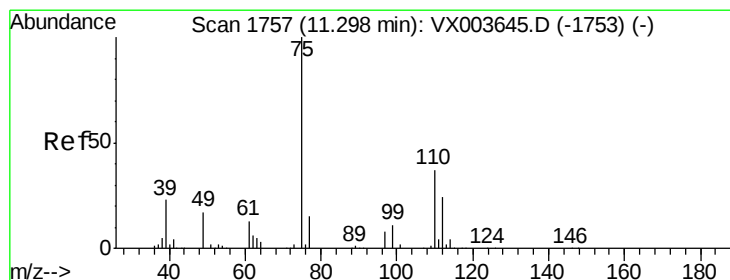
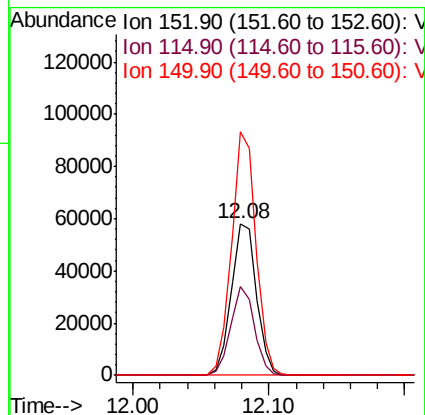
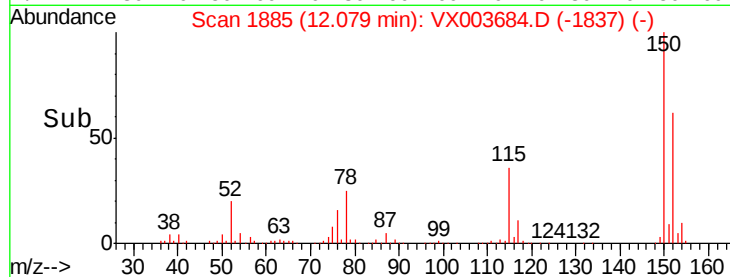
150 155.1 0.0 348.4



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: 24.29 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX003684.D

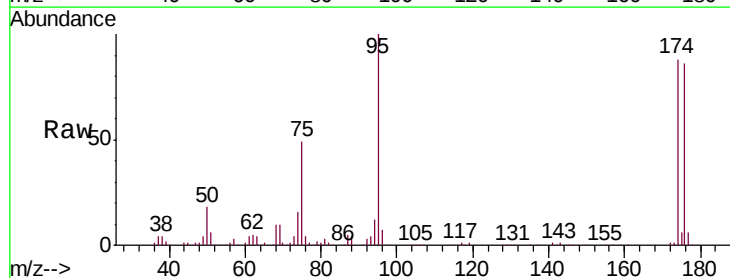
Acq: 26 Jul 2018 21:32

Tgt Ion: 75 Resp: 38030

Ion Ratio Lower Upper

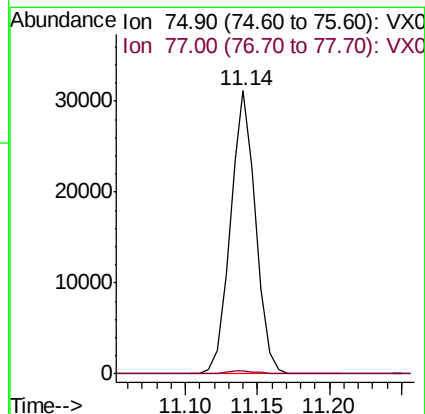
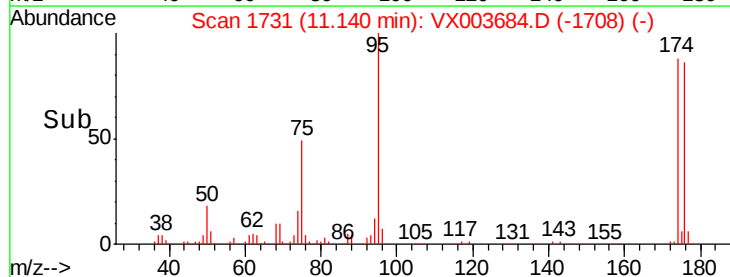
75 100

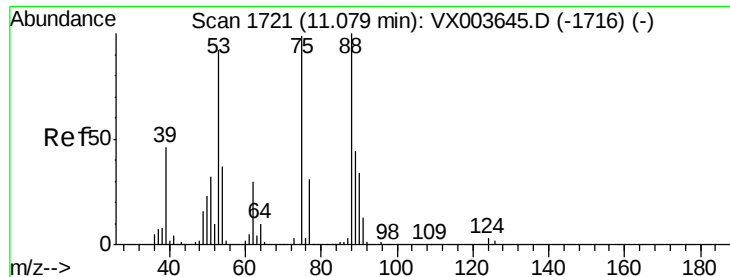
77 1.3 21.6 64.6#



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: 75.24 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX003684.D

Acq: 26 Jul 2018 21:32

Instrument :

MSVOA_X

ClientSampleId :

KY030LC018-W-180718

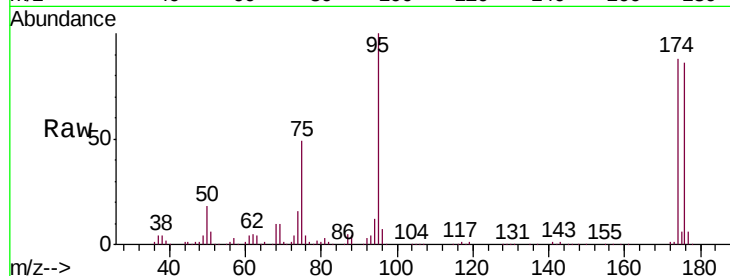
Tot Ion: 75 Resp: 38030

Ion Ratio Lower Upper

75 100

53 0.2 77.8 116.8#

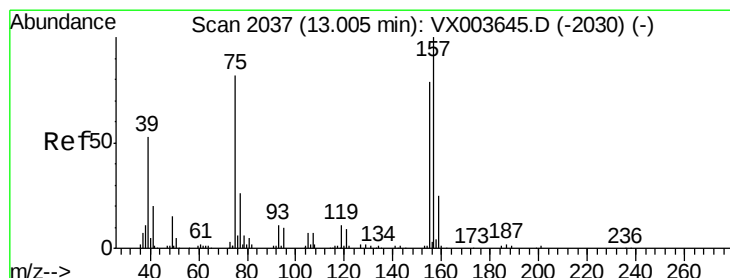
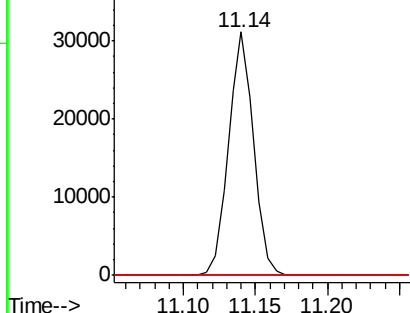
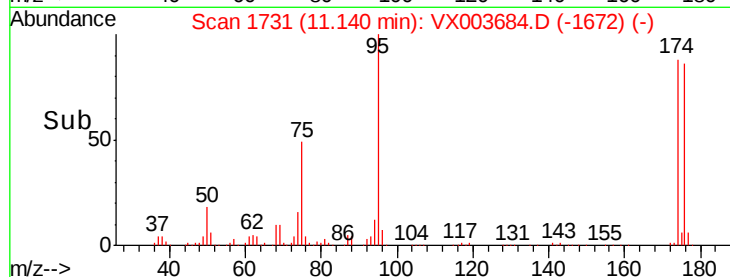
89 0.0 36.6 54.8#



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.50 ug/l

RT: 12.82 min Scan# 2006

Delta R.T. -0.19 min

Lab File: VX003684.D

Acq: 26 Jul 2018 21:32

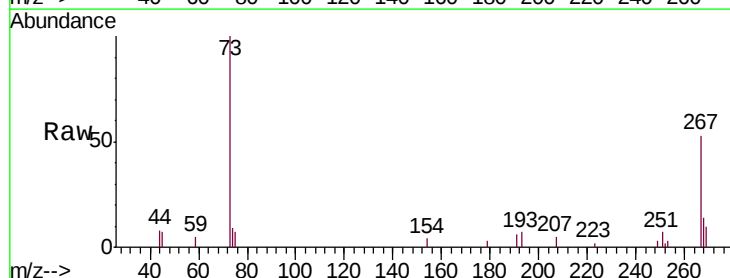
Tgt Ion: 75 Resp: 196

Ion Ratio Lower Upper

75 100

155 0.0 46.1 138.3#

157 0.0 59.7 179.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

