

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072118\
 Data File : VX003581.D
 Acq On : 22 Jul 2018 04:08
 Operator : JC/SP
 Sample : J4028-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 KY030LC006-W-180716

Quant Time: Jul 23 03:50:21 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	278505	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	412374	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	391617	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	215652	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	191025	57.94	ug/l	0.00
Spiked Amount			Recovery	=	115.88%	
35) Dibromofluoromethane	5.50	113	166762	53.09	ug/l	0.00
Spiked Amount			Recovery	=	106.18%	
50) Toluene-d8	8.72	98	580066	49.13	ug/l	0.00
Spiked Amount			Recovery	=	98.26%	
62) 4-Bromofluorobenzene	11.14	95	197516	45.85	ug/l	0.00
Spiked Amount			Recovery	=	91.70%	

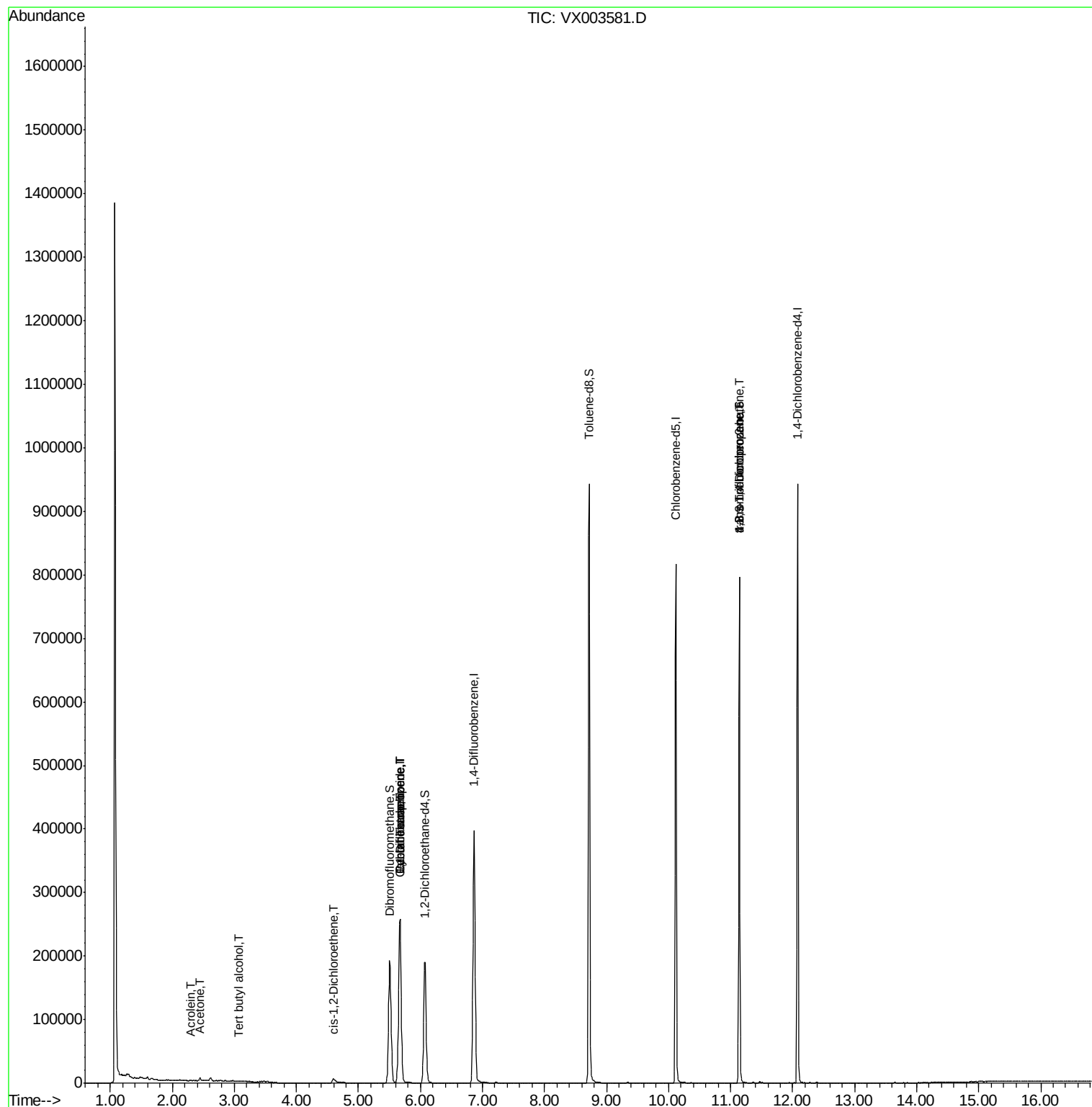
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	150	Below Cal	#	43
3) Chloromethane	1.32	50	405	Below Cal		99
5) Bromomethane	1.66	94	1035	Below Cal		92
11) Tert butyl alcohol	3.07	59	149	0.23	ug/l #	73
13) Acrolein	2.30	56	70	0.24	ug/l #	1
16) Acetone	2.45	43	4308	3.46	ug/l #	76
20) Methylene Chloride	2.86	84	158	Below Cal	#	79
27) cis-1,2-Dichloroethene	4.60	96	855	0.24	ug/l #	1
31) Cyclohexane	5.67	56	4628	0.93	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	17745	3.99	ug/l #	50
38) Carbon Tetrachloride	5.66	117	24830	5.69	ug/l #	16
76) 1,2,3-Trichloropropane	11.14	75	90832	23.45	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.14	75	90832	65.80	ug/l #	7

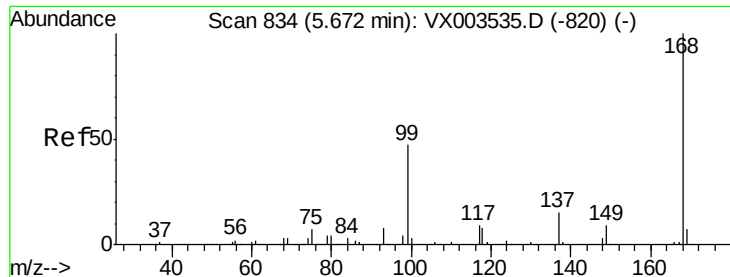
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX072118\
Data File : VX003581.D
Acq On : 22 Jul 2018 04:08
Operator : JC/SP
Sample : J4028-07
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
KY030LC006-W-180716

Quant Time: Jul 23 03:50:21 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X071918W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 19 17:09:44 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX003581.D

Acq: 22 Jul 2018 04:08

Instrument :

MSVOA_X

ClientSampleId :

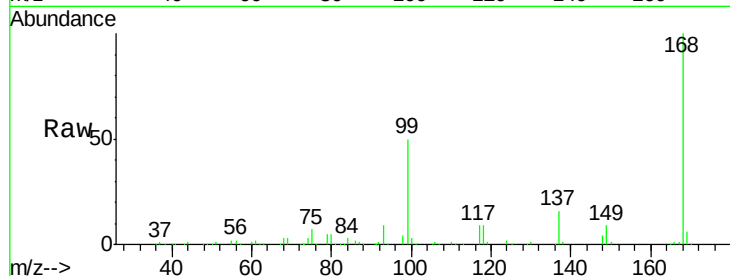
KY030LC006-W-180716

Tot Ion:168 Resp: 278505

Ion Ratio Lower Upper

168 100

99 50.1 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

100000

80000

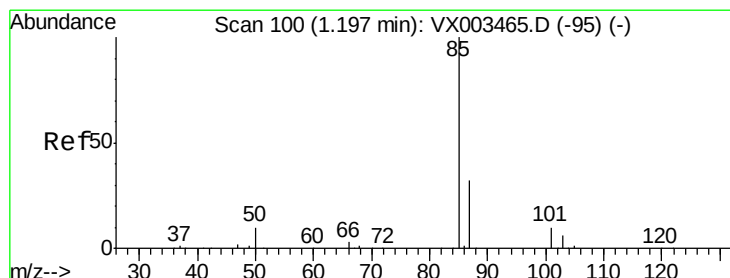
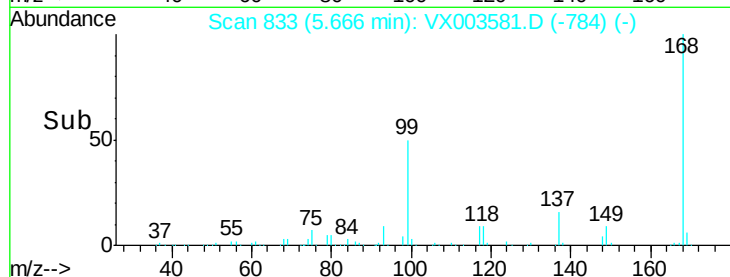
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003581.D

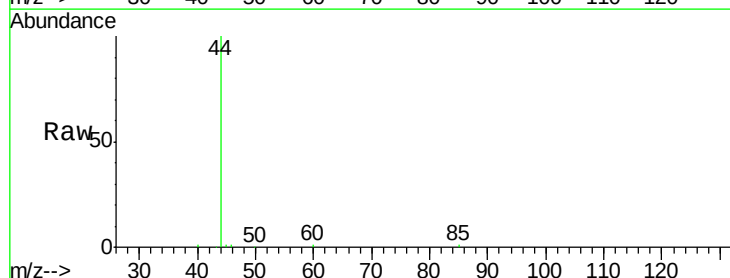
Acq: 22 Jul 2018 04:08

Tgt Ion: 85 Resp: 150

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

1.20

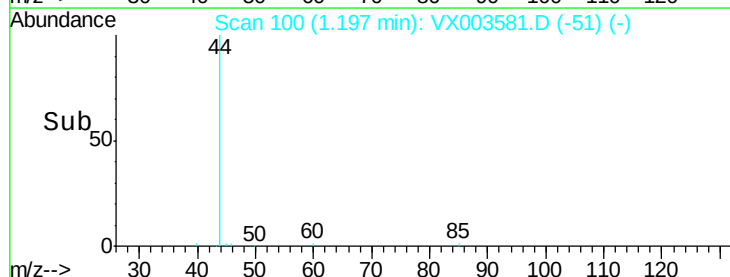
150

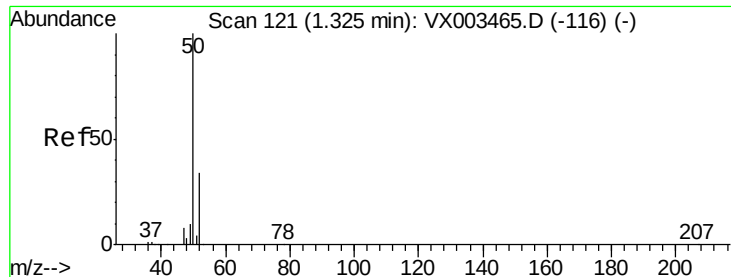
100

50

0

Time--> 1.16 1.18 1.20 1.22





#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003581.D

Acq: 22 Jul 2018 04:08

Instrument :

MSVOA_X

ClientSampleId :

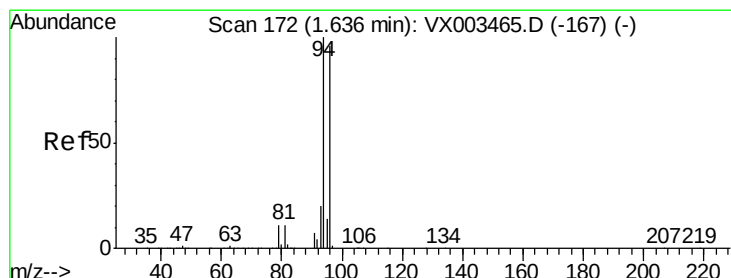
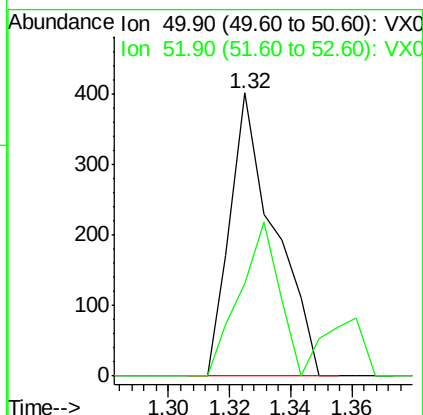
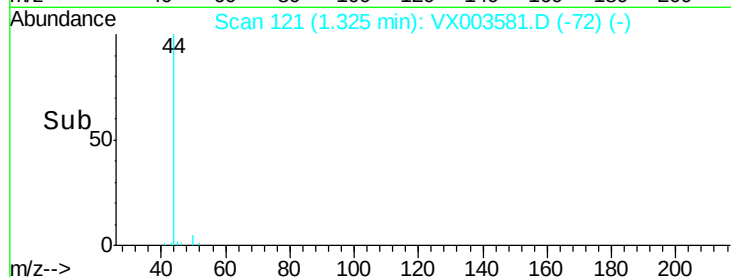
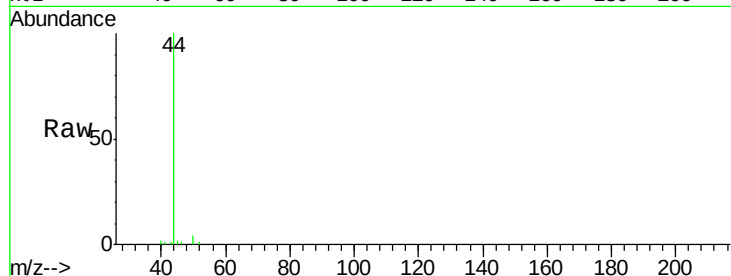
KY030LC006-W-180716

Tot Ion: 50 Resp: 405

Ion Ratio Lower Upper

50 100

52 32.7 25.7 38.5



#5

Bromomethane

Concen: Below Cal

RT: 1.66 min Scan# 176

Delta R.T. 0.03 min

Lab File: VX003581.D

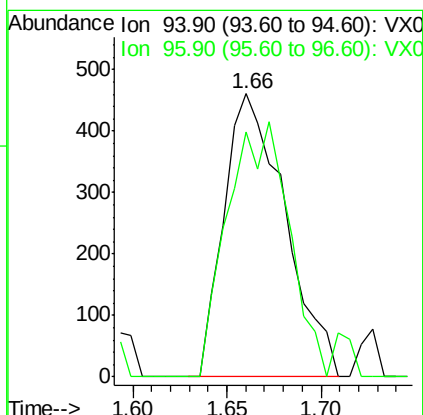
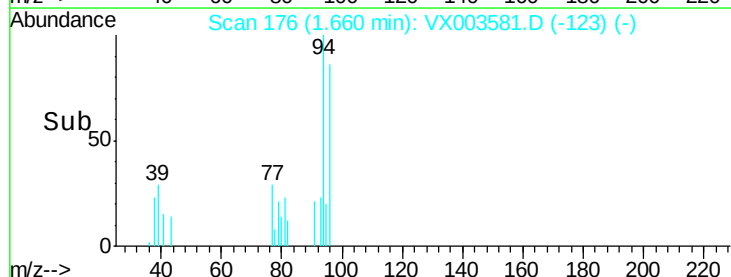
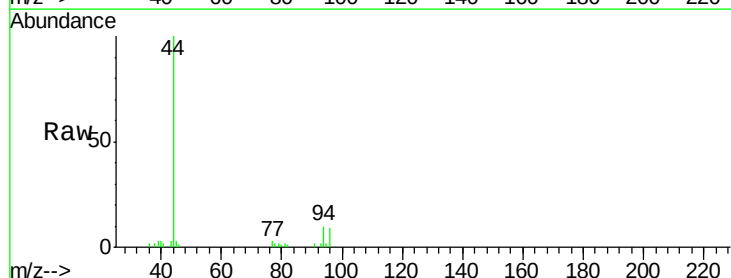
Acq: 22 Jul 2018 04:08

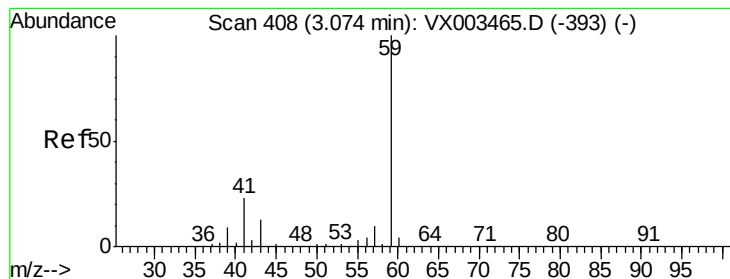
Tgt Ion: 94 Resp: 1035

Ion Ratio Lower Upper

94 100

96 86.3 74.9 112.3





#11

Tert butyl alcohol

Concen: 0.23 ug/l

RT: 3.07 min Scan# 408

Delta R.T. 0.00 min

Lab File: VX003581.D

Acq: 22 Jul 2018 04:08

Instrument :

MSVOA_X

ClientSampleId :

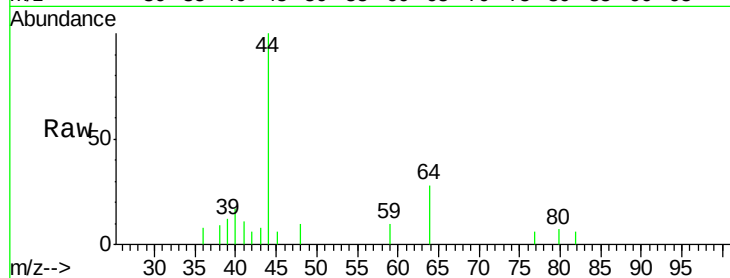
KY030LC006-W-180716

Tot Ion: 59 Resp: 149

Ion Ratio Lower Upper

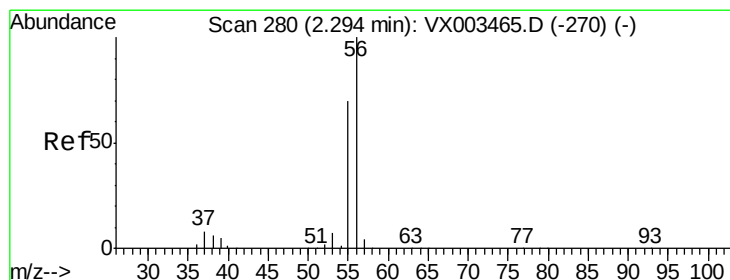
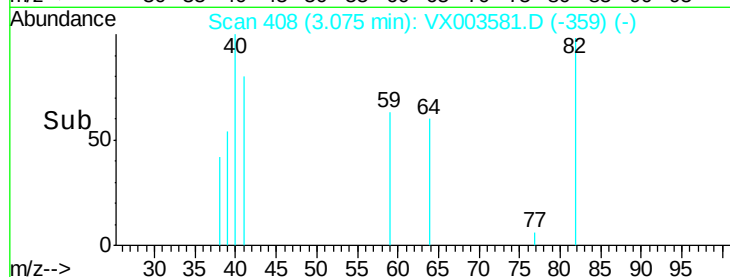
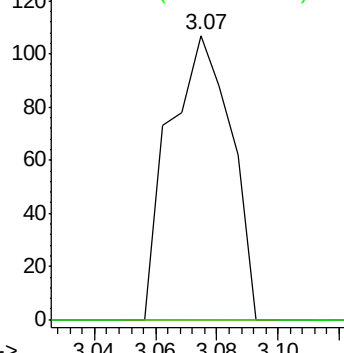
59 100

57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0



#13

Acrolein

Concen: 0.24 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.01 min

Lab File: VX003581.D

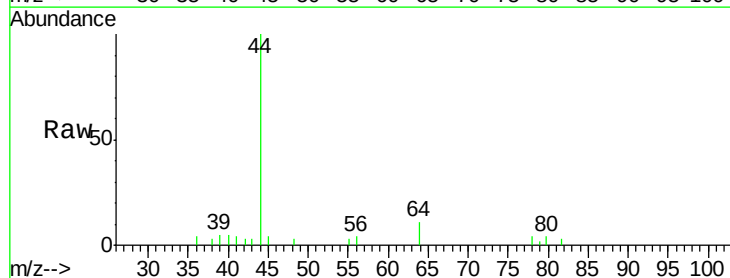
Acq: 22 Jul 2018 04:08

Tgt Ion: 56 Resp: 70

Ion Ratio Lower Upper

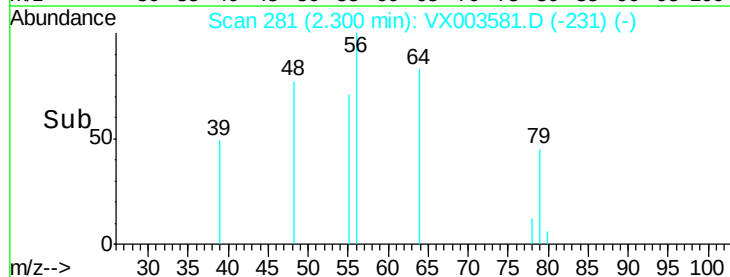
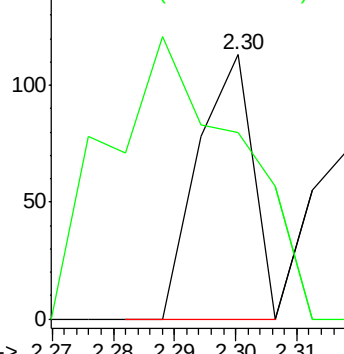
56 100

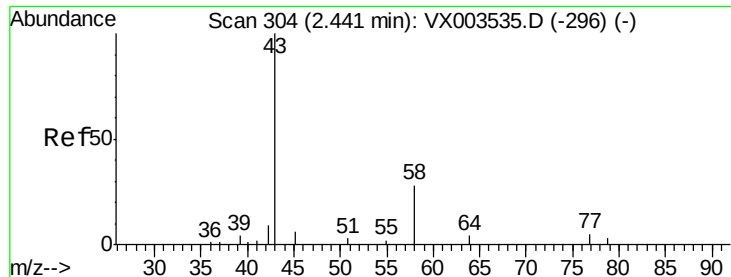
55 255.7 57.0 85.4#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0





#16

Acetone

Concen: 3.46 ua/l

RT: 2.45 min Scan# 305

Delta R.T. 0.00 min

Lab File: VX003581.D

Acq: 22 Jul 2018 04:08

Instrument :

MSVOA_X

ClientSampleId :

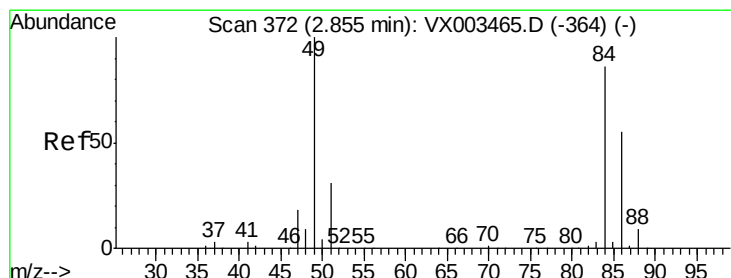
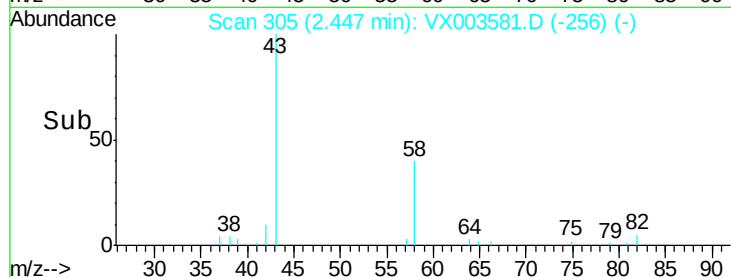
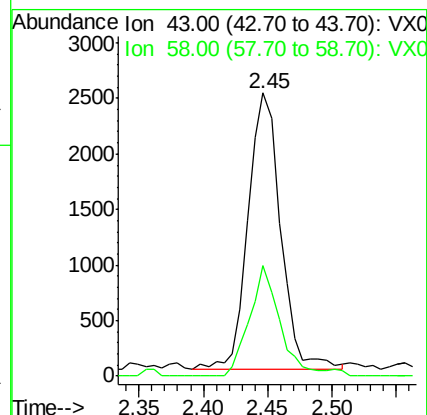
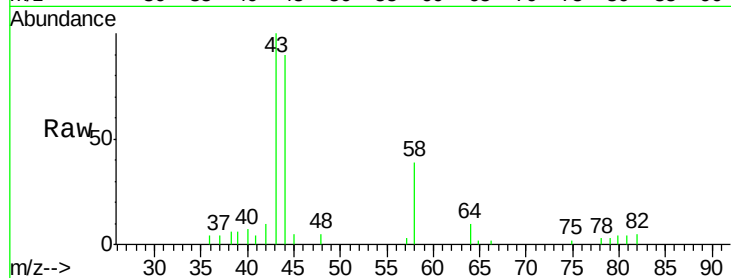
KY030LC006-W-180716

Tot Ion: 43 Resp: 4308

Ion Ratio Lower Upper

43 100

58 40.3 22.1 33.1#



#20

Methylene Chloride

Concen: Below Cal

RT: 2.86 min Scan# 372

Delta R.T. 0.00 min

Lab File: VX003581.D

Acq: 22 Jul 2018 04:08

Tgt Ion: 84 Resp: 158

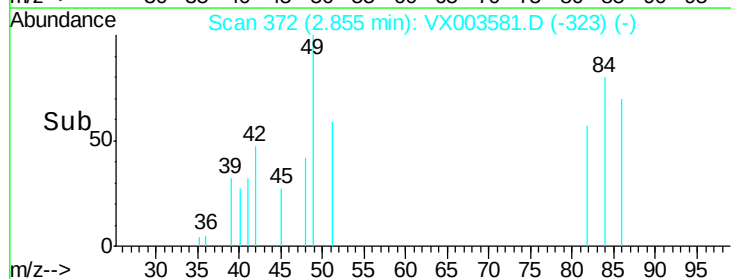
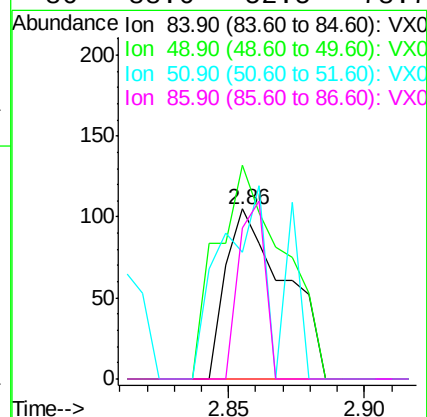
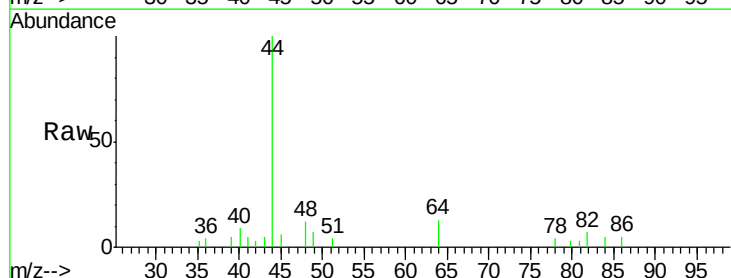
Ion Ratio Lower Upper

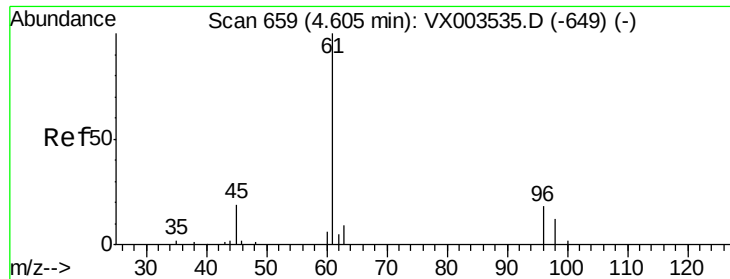
84 100

49 125.7 107.8 161.6

51 74.3 32.8 49.2#

86 88.6 52.5 78.7#





#27

cis-1,2-Dichloroethene

Concen: 0.24 ug/l

RT: 4.60 min Scan# 658

Delta R.T. 0.00 min

Lab File: VX003581.D

Acq: 22 Jul 2018 04:08

Instrument :

MSVOA_X

ClientSampleId :

KY030LC006-W-180716

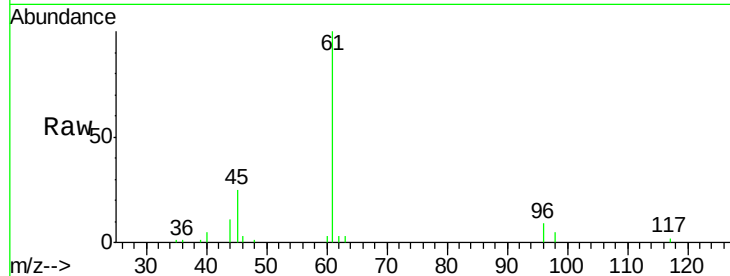
Tot Ion: 96 Resp: 855

Ion Ratio Lower Upper

96 100

61 1881.4 0.0 330.2#

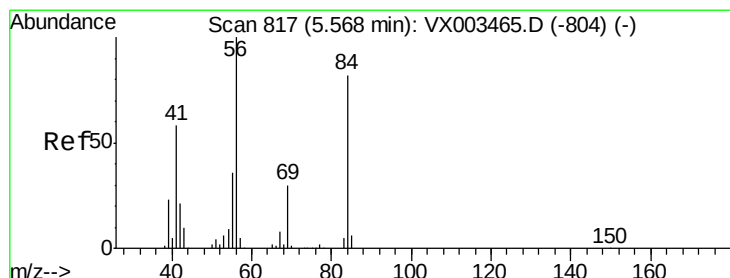
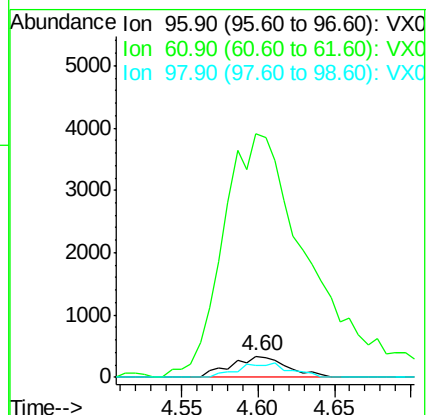
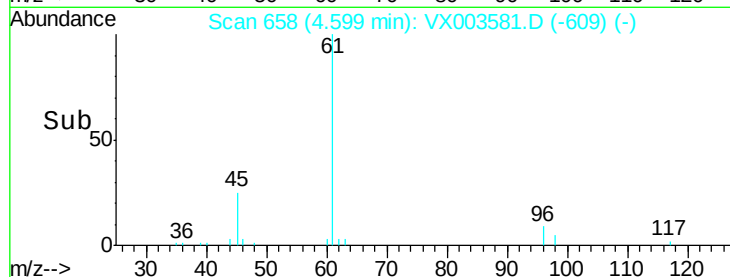
98 63.9 0.0 130.2



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: 0.93 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.10 min

Lab File: VX003581.D

Acq: 22 Jul 2018 04:08

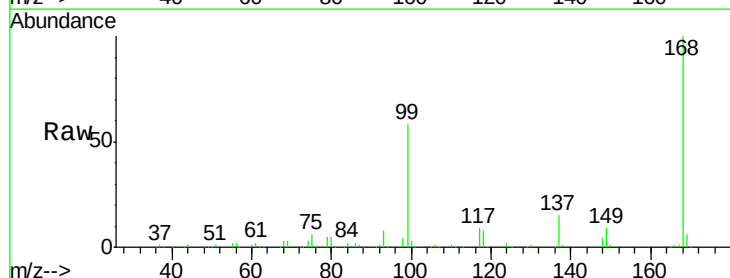
Tgt Ion: 56 Resp: 4628

Ion Ratio Lower Upper

56 100

69 162.8 23.7 35.5#

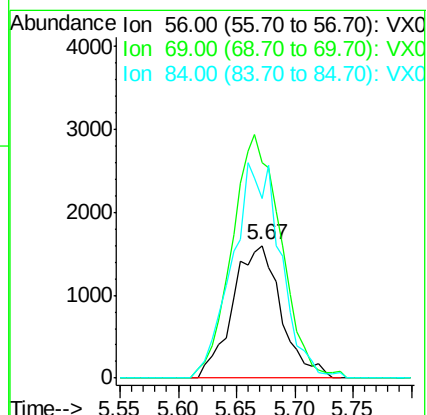
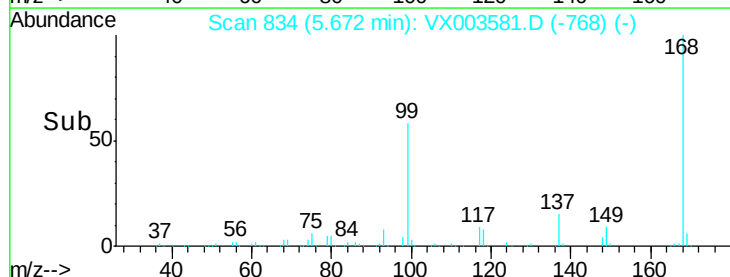
84 135.4 64.1 96.1#

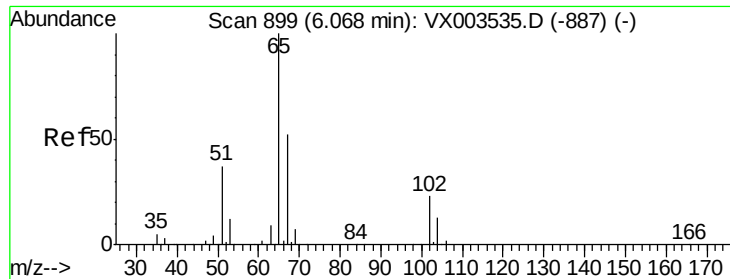


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

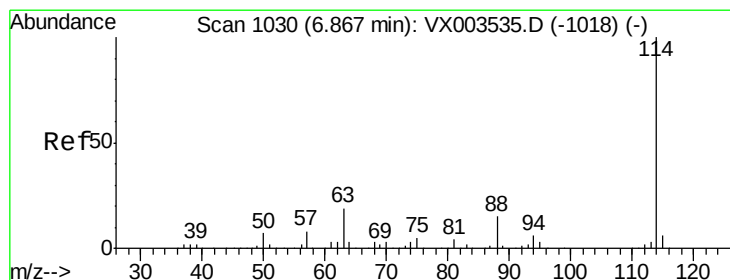
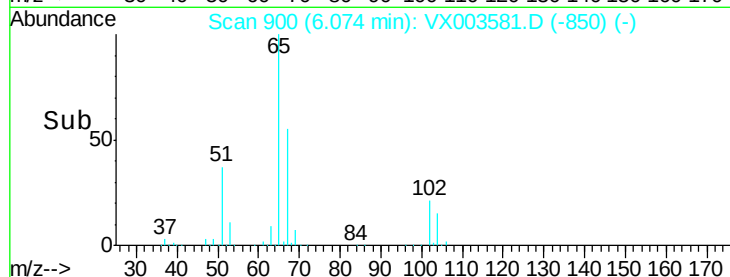
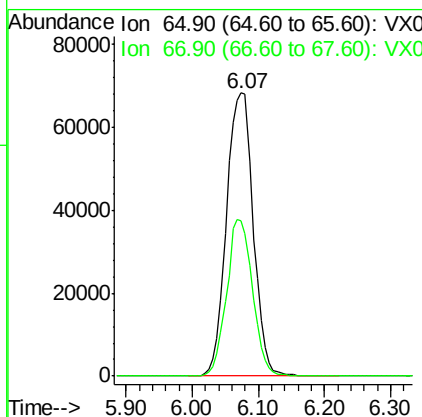
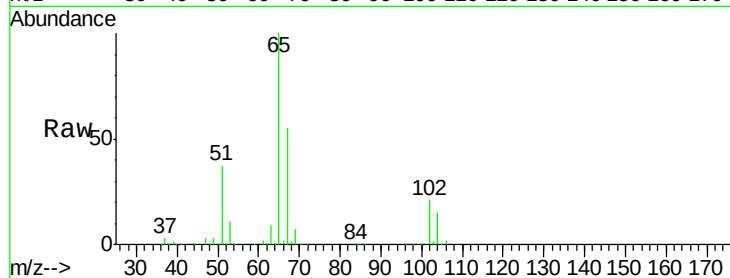




#33
 1,2-Dichloroethane-d4
 Concen: 57.94 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VX003581.D
 Acq: 22 Jul 2018 04:08

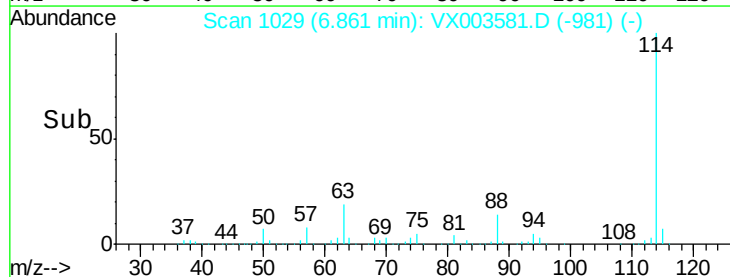
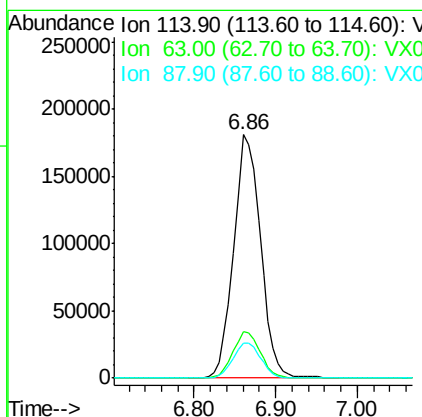
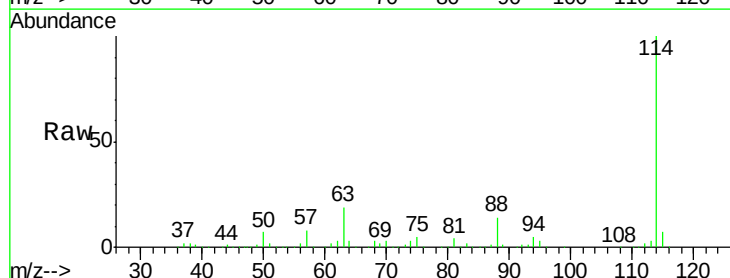
Instrument :
 MSVOA_X
 ClientSampleId :
 KY030LC006-W-180716

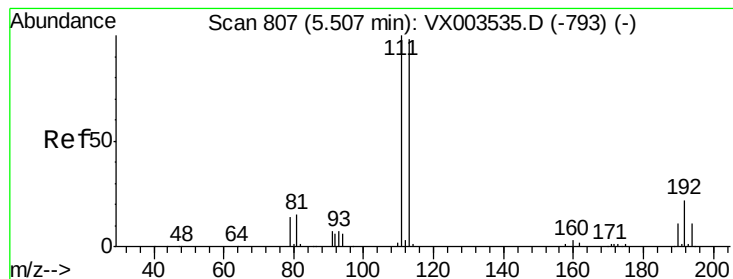
Tot Ion: 65 Resp: 191025
 Ion Ratio Lower Upper
 65 100
 67 53.8 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.01 min
 Lab File: VX003581.D
 Acq: 22 Jul 2018 04:08

Tgt Ion: 114 Resp: 412374
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 41.4
 88 14.1 0.0 30.0





#35

Dibromofluoromethane

Concen: 53.09 ug/l

RT: 5.50 min Scan# 806

Delta R.T. -0.01 min

Lab File: VX003581.D

Acq: 22 Jul 2018 04:08

Instrument :

MSVOA_X

ClientSampleId :

KY030LC006-W-180716

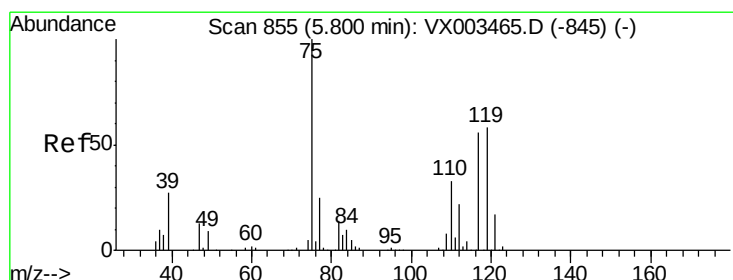
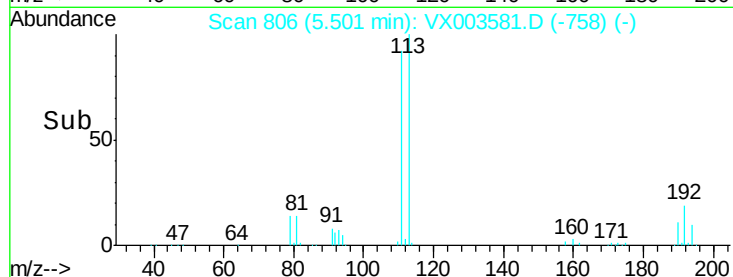
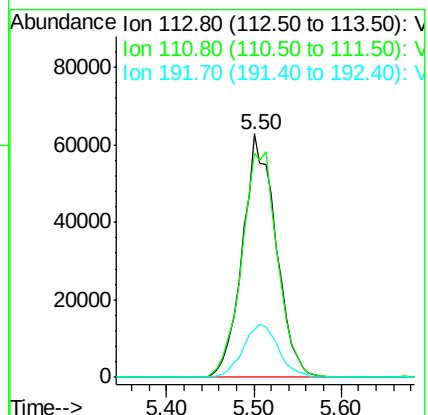
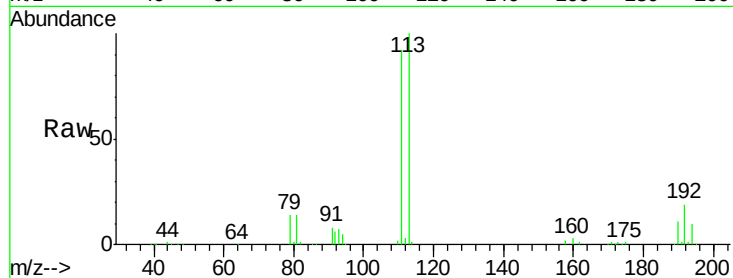
Tot Ion:113 Resp: 166762

Ion Ratio Lower Upper

113 100

111 98.9 81.4 122.0

192 23.0 19.1 28.7



#36

1,1-Dichloropropene

Concen: 3.99 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.13 min

Lab File: VX003581.D

Acq: 22 Jul 2018 04:08

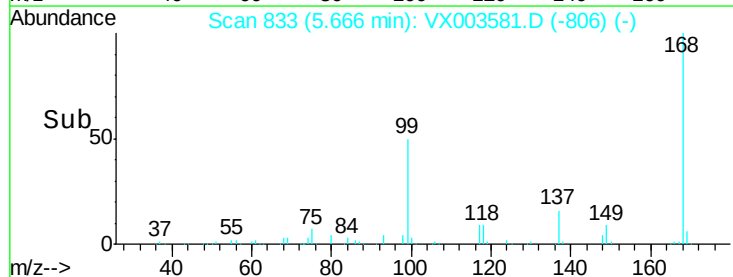
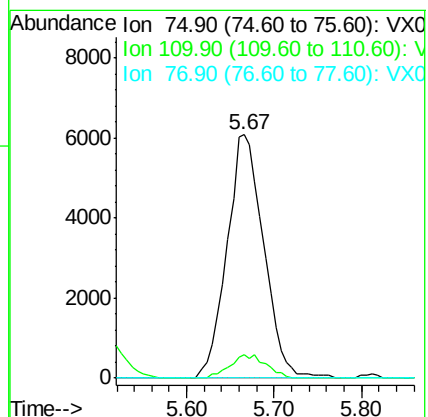
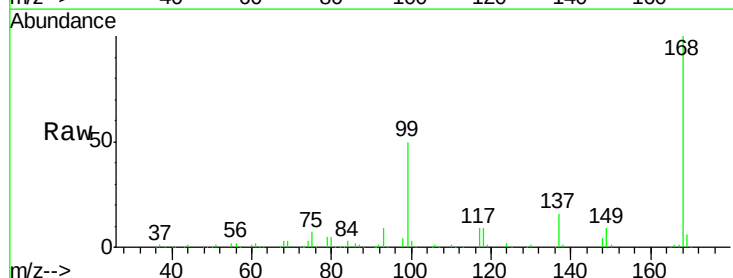
Tgt Ion: 75 Resp: 17745

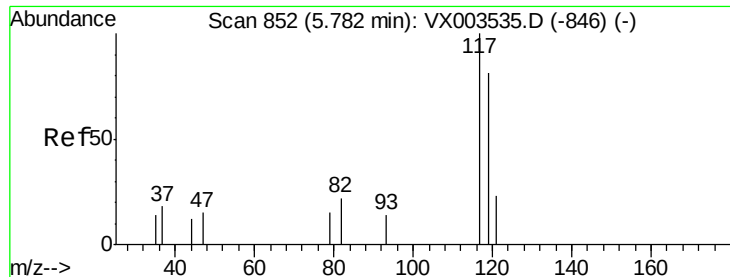
Ion Ratio Lower Upper

75 100

110 9.4 18.1 54.4#

77 0.0 24.3 36.5#





#38

Carbon Tetrachloride

Concen: 5.69 ug/l

RT: 5.66 min Scan# 832

Delta R.T. -0.12 min

Lab File: VX003581.D

Acq: 22 Jul 2018 04:08

Instrument :

MSVOA_X

ClientSampleId :

KY030LC006-W-180716

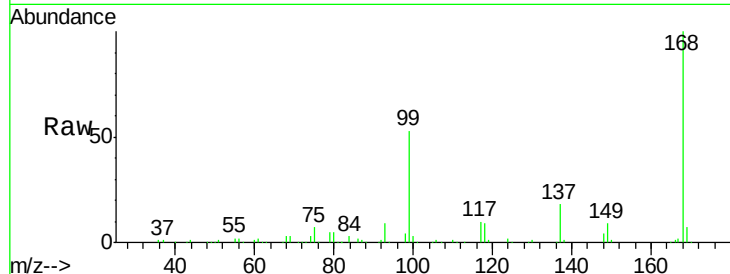
Tot Ion:117 Resp: 24830

Ion Ratio Lower Upper

117 100

119 5.8 77.4 116.0#

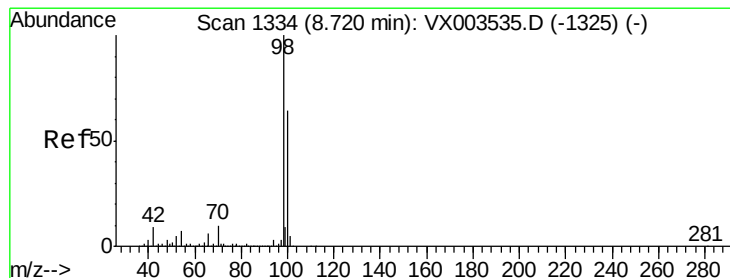
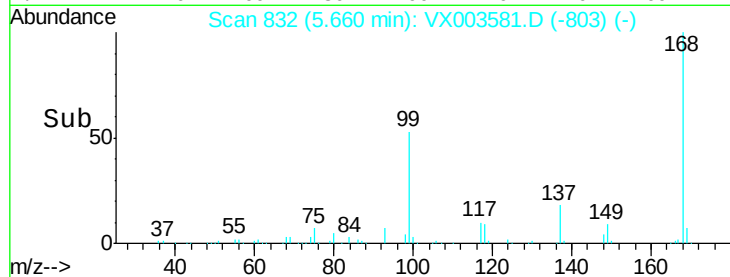
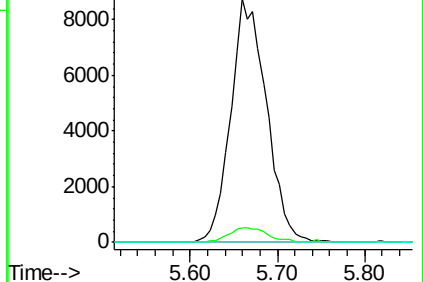
121 0.0 24.4 36.6#



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: 49.13 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX003581.D

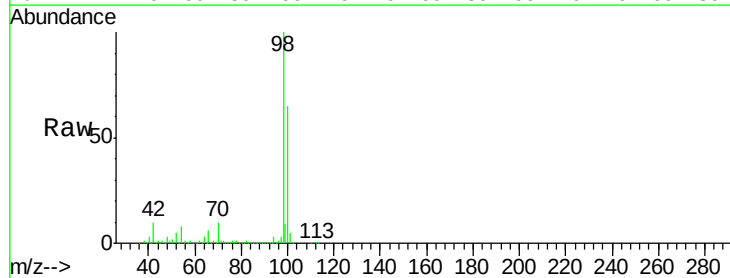
Acq: 22 Jul 2018 04:08

Tgt Ion: 98 Resp: 580066

Ion Ratio Lower Upper

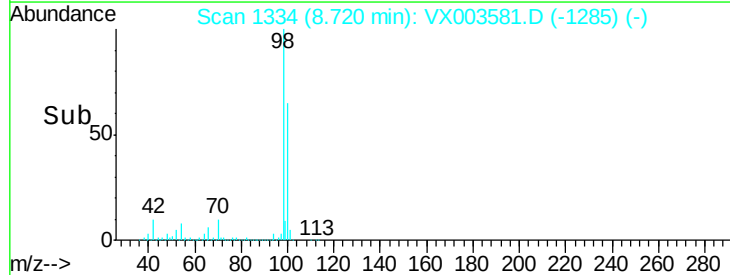
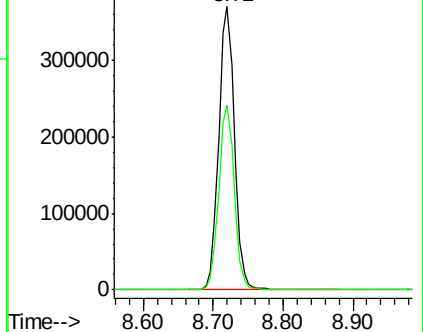
98 100

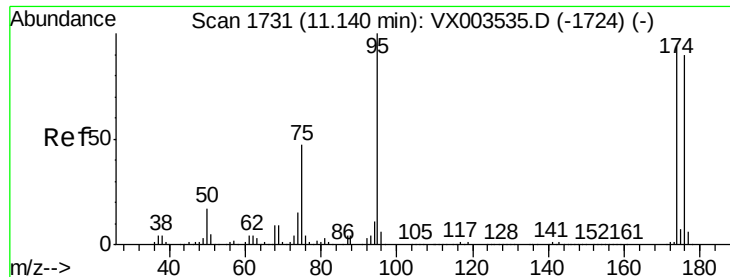
100 64.4 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

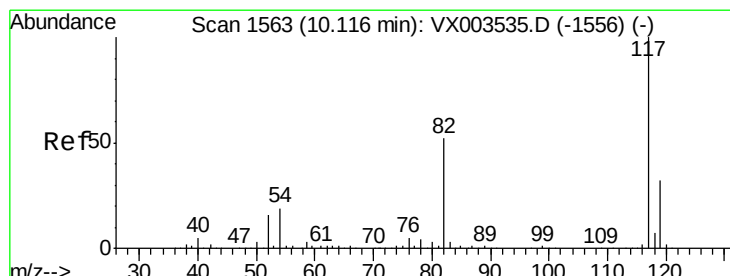
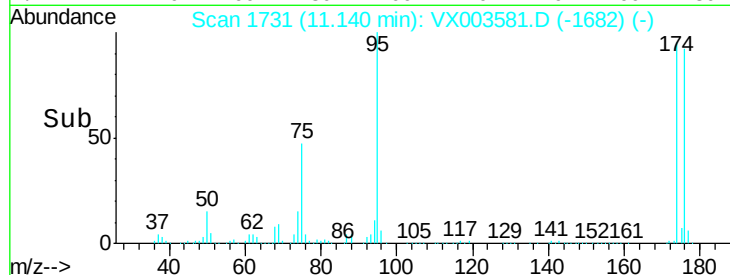
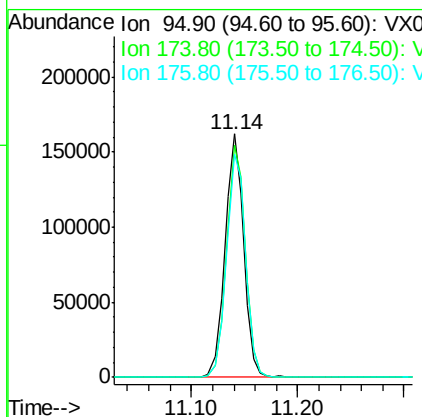
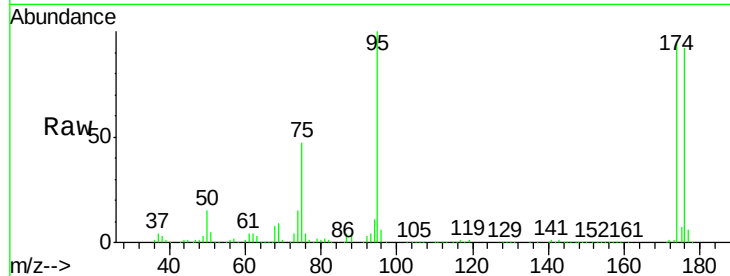




#62
4-Bromofluorobenzene
Concen: 45.85 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX003581.D
Acq: 22 Jul 2018 04:08

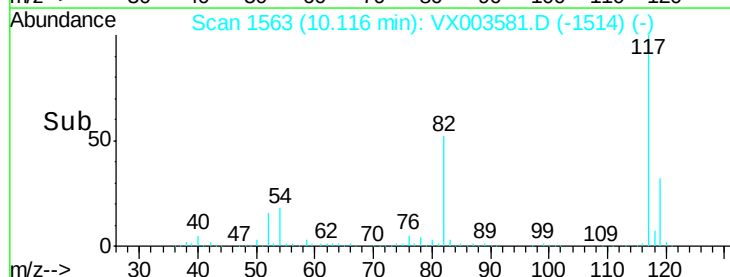
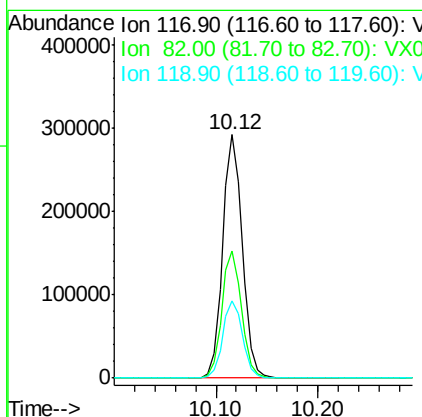
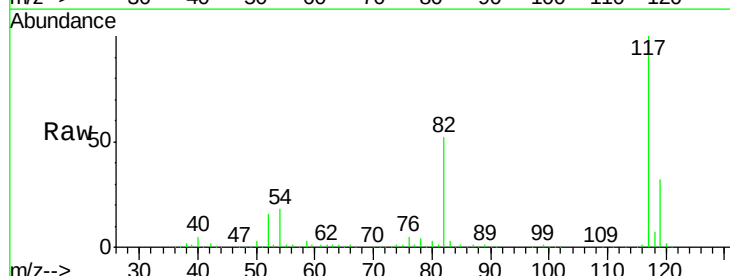
Instrument :
MSVOA_X
ClientSampleId :
KY030LC006-W-180716

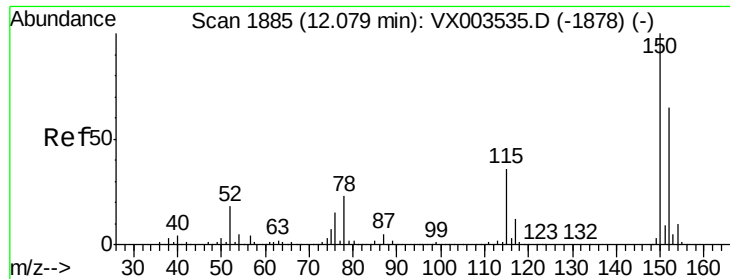
Tot Ion: 95 Resp: 197516
Ion Ratio Lower Upper
95 100
174 97.2 0.0 187.4
176 94.9 0.0 181.0



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003581.D
Acq: 22 Jul 2018 04:08

Tgt Ion: 117 Resp: 391617
Ion Ratio Lower Upper
117 100
82 52.4 45.0 67.4
119 31.8 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VX003581.D

Acq: 22 Jul 2018 04:08

Instrument :

MSVOA_X

ClientSampleId :

KY030LC006-W-180716

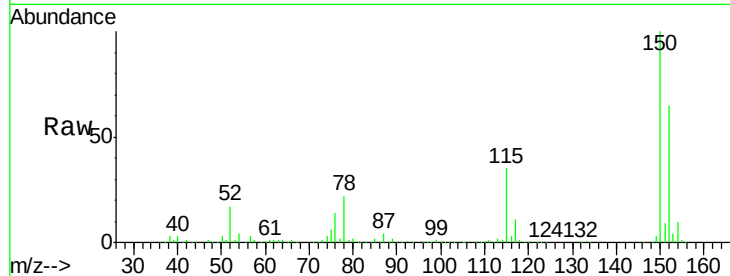
Tot Ion:152 Resp: 215652

Ion Ratio Lower Upper

152 100

115 52.7 40.1 120.2

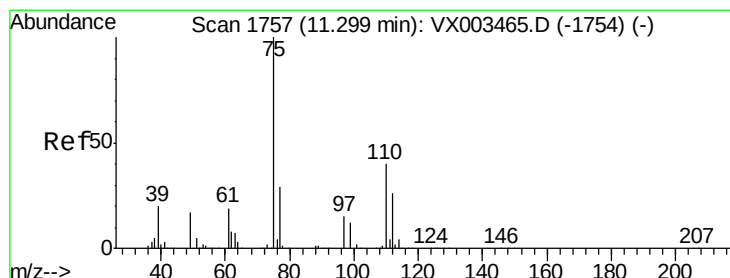
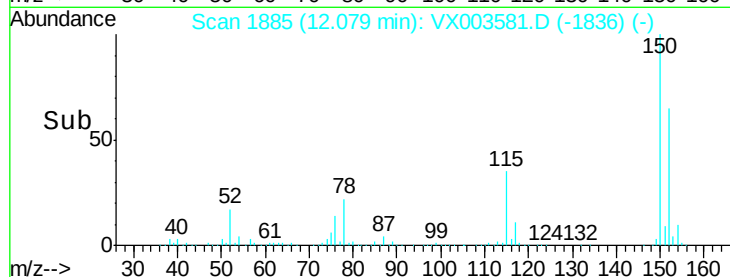
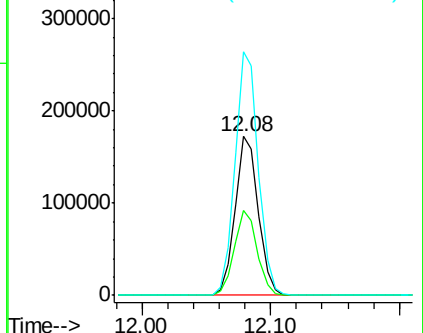
150 154.0 0.0 347.2



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: 23.45 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX003581.D

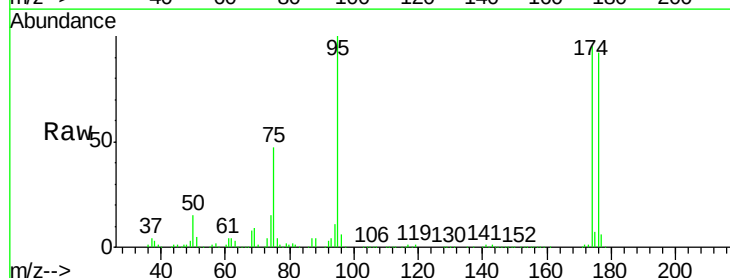
Acq: 22 Jul 2018 04:08

Tgt Ion: 75 Resp: 90832

Ion Ratio Lower Upper

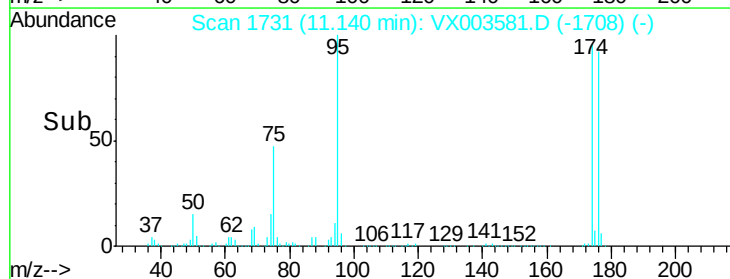
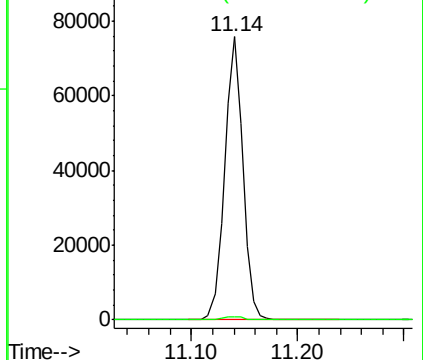
75 100

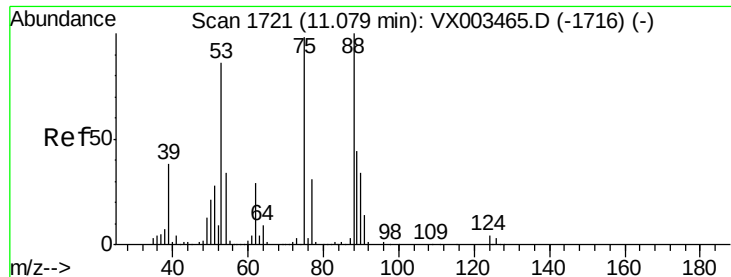
77 1.3 22.8 68.3#



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: 65.80 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX003581.D

Acq: 22 Jul 2018 04:08

Instrument :

MSVOA_X

ClientSampleId :

KY030LC006-W-180716

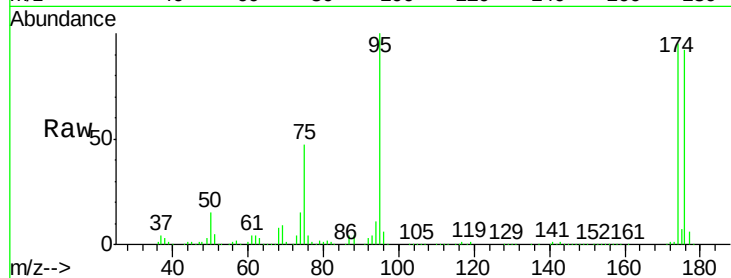
Tot Ion: 75 Resp: 90832

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

