

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX072118\
 Data File : VX003558.D
 Acq On : 21 Jul 2018 16:40
 Operator : JC/SP
 Sample : J4014-13DL 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 GW03-071218DL

Quant Time: Jul 23 01:39:08 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	270334	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	446444	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	381958	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	212296	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	180864	56.52	ug/l	0.00
Spiked Amount			Recovery	=	113.04%	
35) Dibromofluoromethane	5.51	113	153144	45.04	ug/l	0.00
Spiked Amount			Recovery	=	90.08%	
50) Toluene-d8	8.72	98	580413	45.41	ug/l	0.00
Spiked Amount			Recovery	=	90.82%	
62) 4-Bromofluorobenzene	11.14	95	198893	42.64	ug/l	0.00
Spiked Amount			Recovery	=	85.28%	

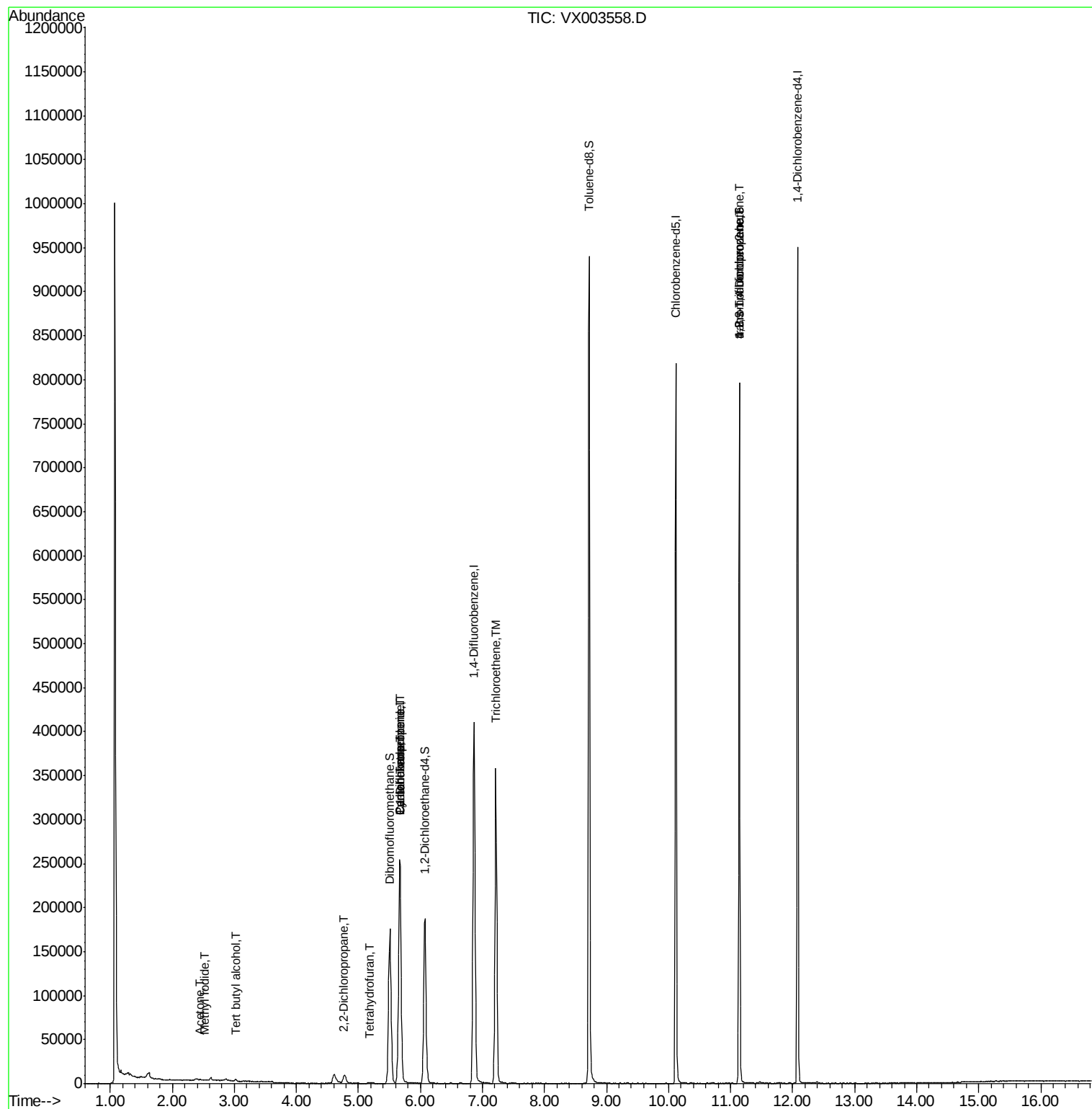
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	77	Below Cal	#	43
3) Chloromethane	1.32	50	526	Below Cal	#	84
5) Bromomethane	1.64	94	1546	Below Cal		82
10) Methyl Iodide	2.53	142	1172	0.33	ug/l #	93
11) Tert butyl alcohol	3.03	59	1416	2.24	ug/l #	73
16) Acetone	2.44	43	1003	0.83	ug/l	93
20) Methylene Chloride	2.86	84	736	Below Cal	#	88
26) 2,2-Dichloropropane	4.76	77	831	0.20	ug/l #	53
29) Tetrahydrofuran	5.19	42	772	0.58	ug/l #	36
31) Cyclohexane	5.67	56	4325	0.90	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	17161	3.56	ug/l #	50
38) Carbon Tetrachloride	5.67	117	23390	4.95	ug/l #	16
44) Trichloroethene	7.21	130	147872	34.07	ug/l	98
76) 1,2,3-Trichloropropane	11.14	75	94776	24.85	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.14	75	94776	69.60	ug/l #	7

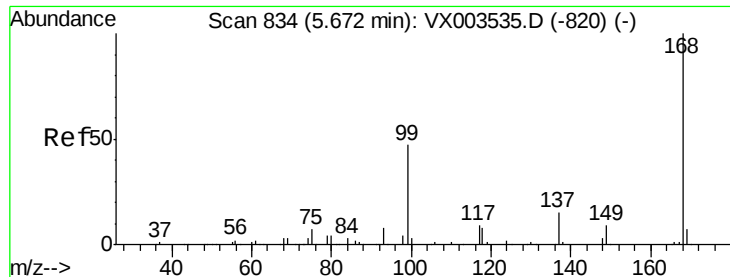
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX003558.D

Acq: 21 Jul 2018 16:40

Instrument :

MSVOA_X

ClientSampled :

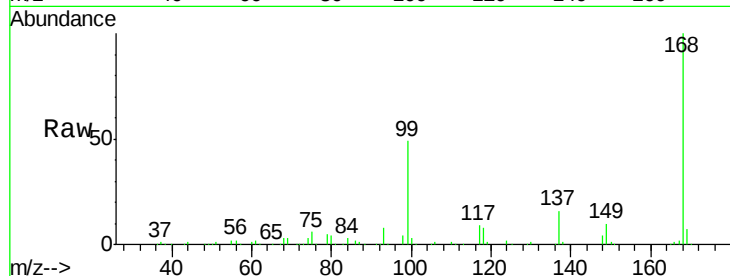
GW03-071218DL

Tot Ion:168 Resp: 270334

Ion Ratio Lower Upper

168 100

99 49.4 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

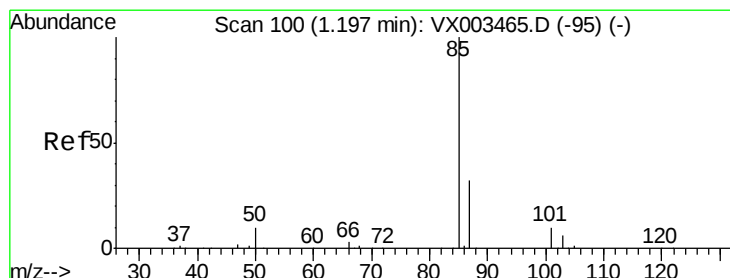
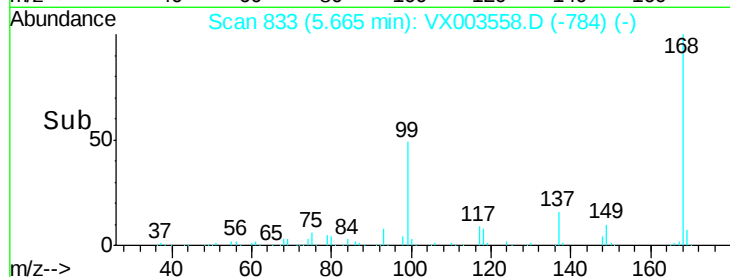
60000

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: VX003558.D

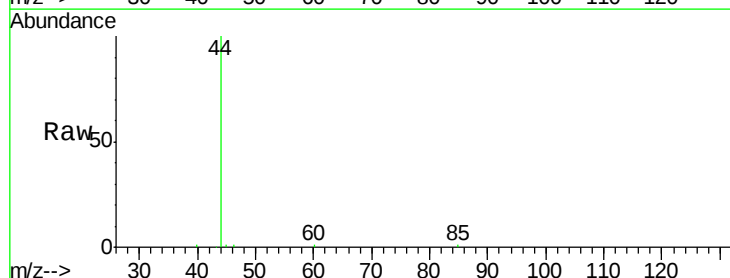
Acq: 21 Jul 2018 16:40

Tgt Ion: 85 Resp: 77

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

80

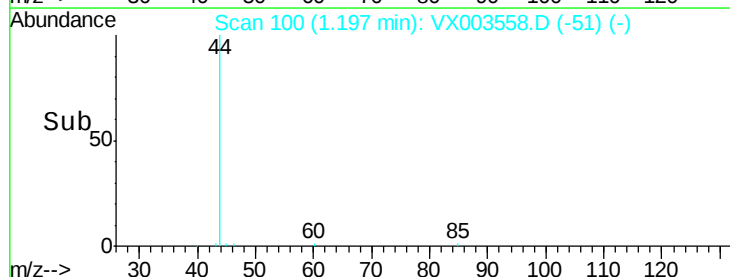
60

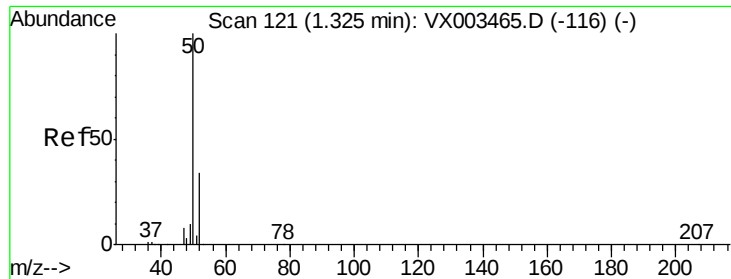
40

20

0

Time--> 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: VX003558.D

Acq: 21 Jul 2018 16:40

Instrument :

MSVOA_X

ClientSampleId :

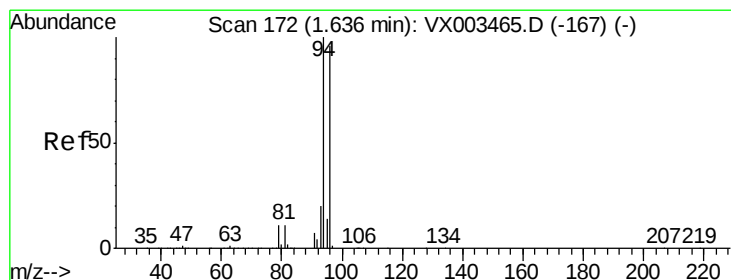
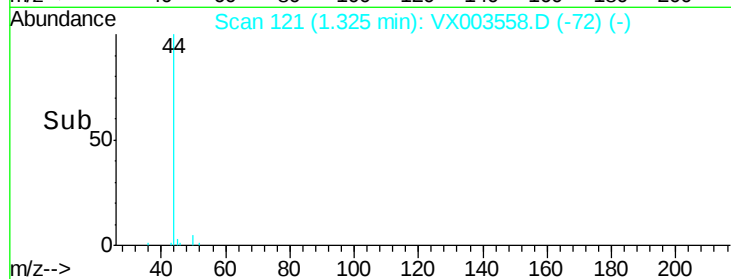
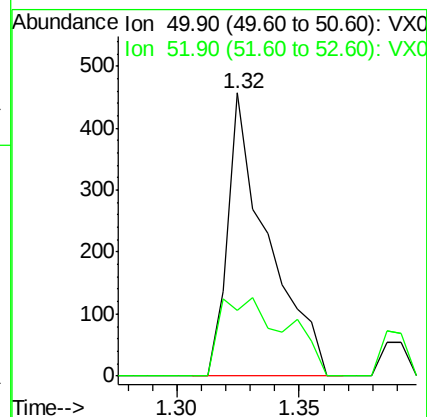
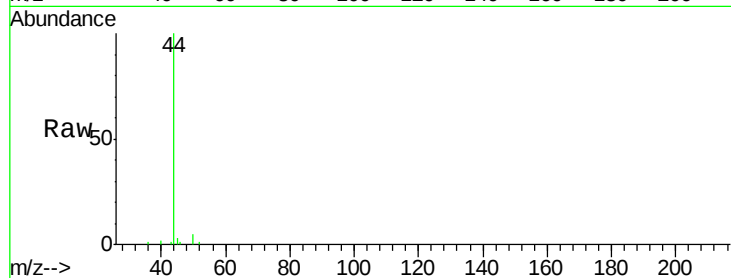
GW03-071218DL

Tot Ion: 50 Resp: 526

Ion Ratio Lower Upper

50 100

52 23.0 25.7 38.5#



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 173

Delta R.T. 0.01 min

Lab File: VX003558.D

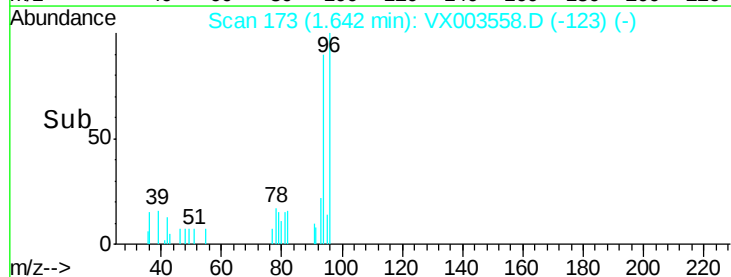
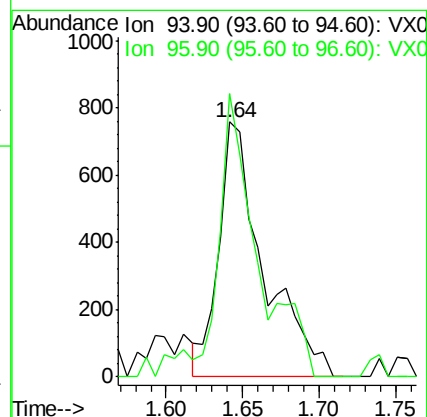
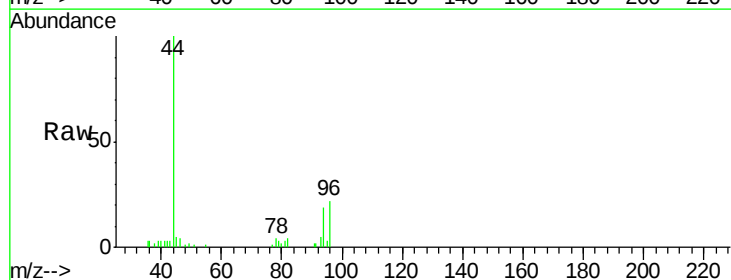
Acq: 21 Jul 2018 16:40

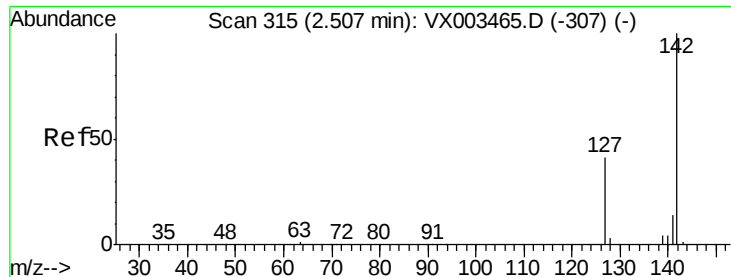
Tgt Ion: 94 Resp: 1546

Ion Ratio Lower Upper

94 100

96 111.1 74.9 112.3

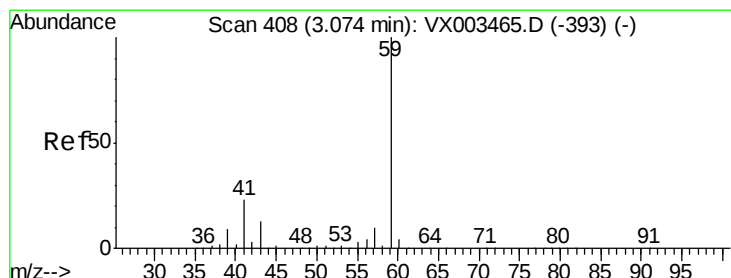
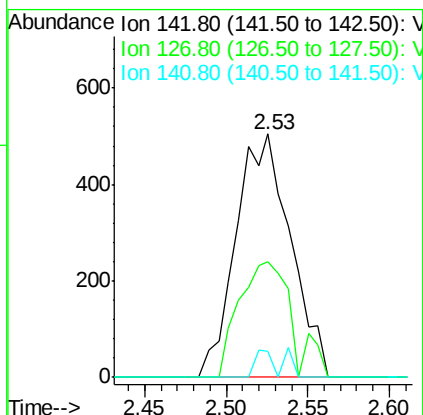
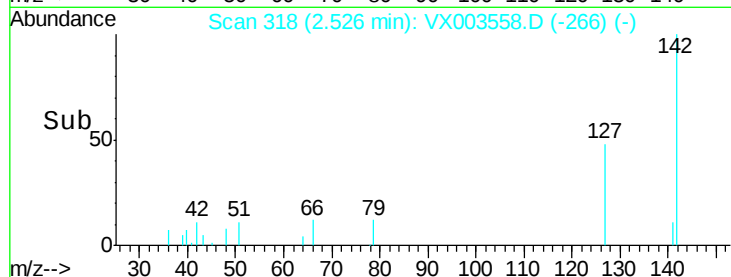
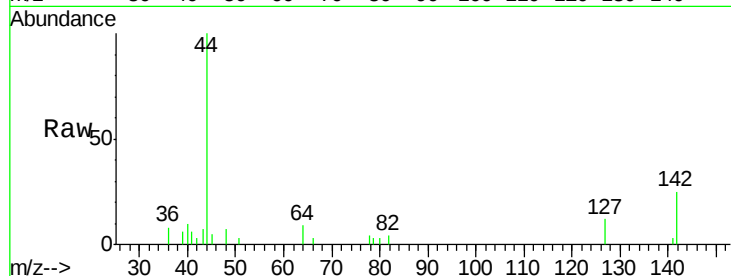




#10
Methyl Iodide
Concen: 0.33 ug/l
RT: 2.53 min Scan# 318
Delta R.T. 0.02 min
Lab File: VX003558.D
Acq: 21 Jul 2018 16:40

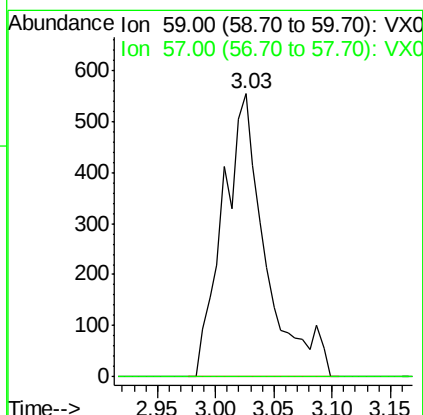
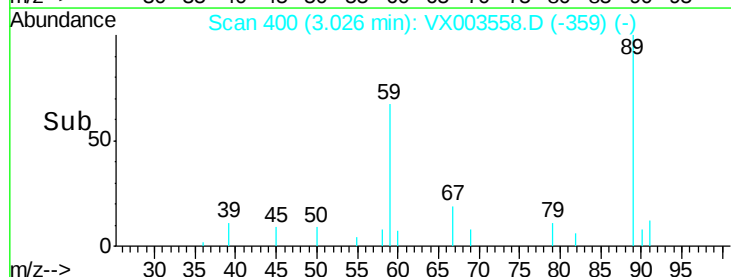
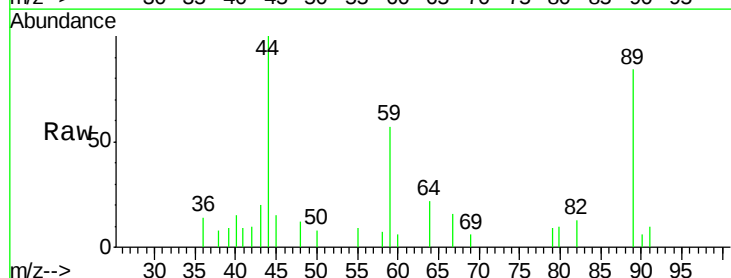
Instrument :
MSVOA_X
ClientSampleId :
GW03-071218DL

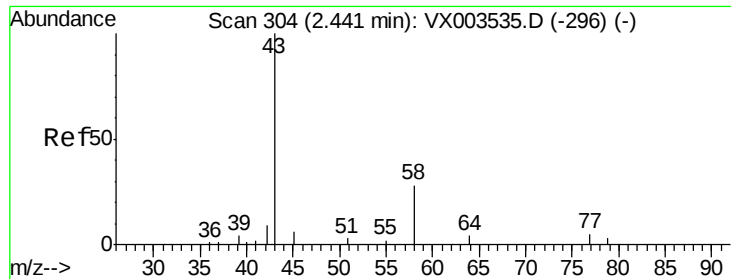
Tot Ion:142 Resp: 1172
Ion Ratio Lower Upper
142 100
127 46.2 36.6 55.0
141 3.5 11.3 16.9#



#11
Tert butyl alcohol
Concen: 2.24 ug/l
RT: 3.03 min Scan# 400
Delta R.T. -0.05 min
Lab File: VX003558.D
Acq: 21 Jul 2018 16:40

Tgt Ion: 59 Resp: 1416
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#





#16

Acetone

Concen: 0.83 ug/l

RT: 2.44 min Scan# 304

Delta R.T. -0.01 min

Lab File: VX003558.D

Acq: 21 Jul 2018 16:40

Instrument :

MSVOA_X

ClientSampleId :

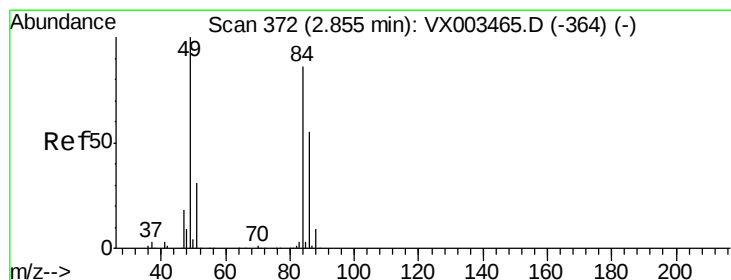
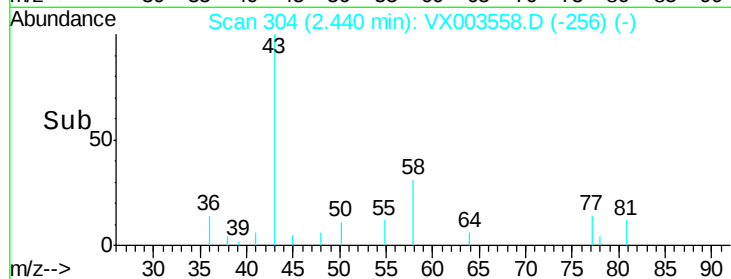
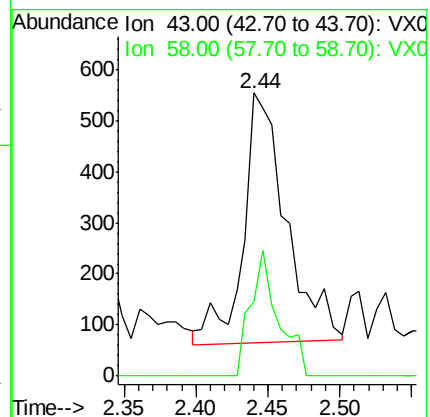
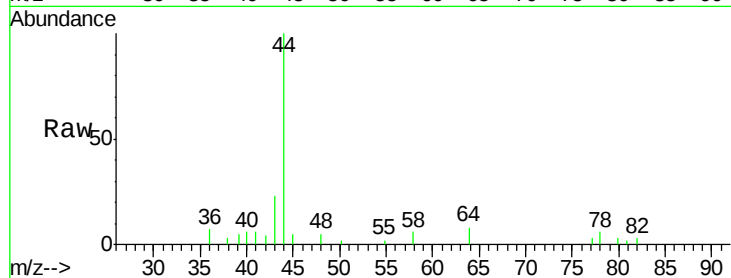
GW03-071218DL

Tot Ion: 43 Resp: 1003

Ion Ratio Lower Upper

43 100

58 31.1 22.1 33.1



#20

Methylene Chloride

Concen: Below Cal

RT: 2.86 min Scan# 373

Delta R.T. 0.01 min

Lab File: VX003558.D

Acq: 21 Jul 2018 16:40

Tgt Ion: 84 Resp: 736

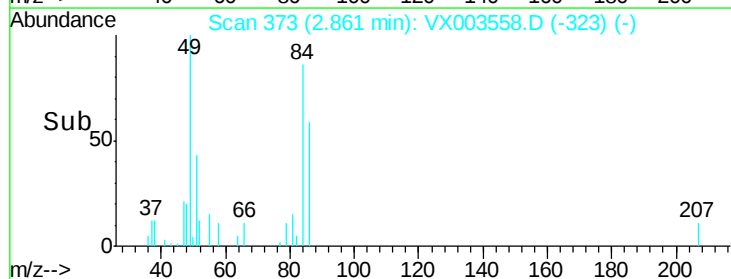
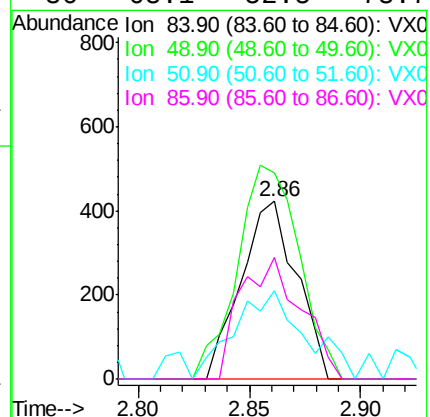
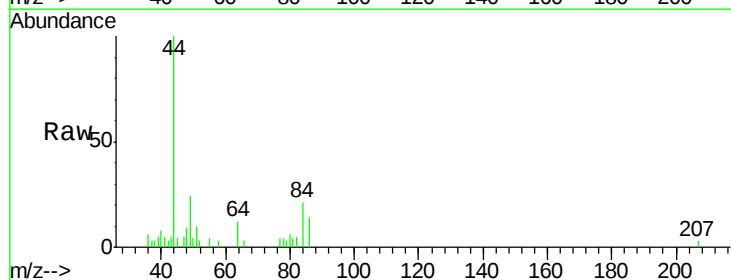
Ion Ratio Lower Upper

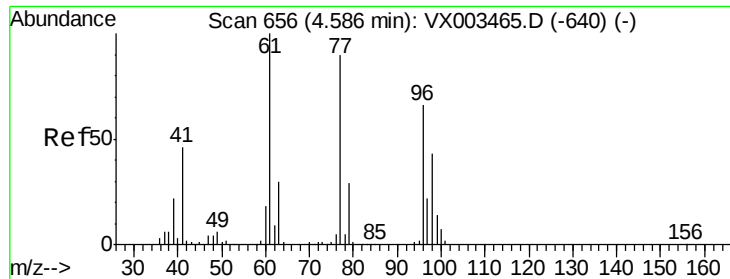
84 100

49 115.8 107.8 161.6

51 49.4 32.8 49.2#

86 68.1 52.5 78.7

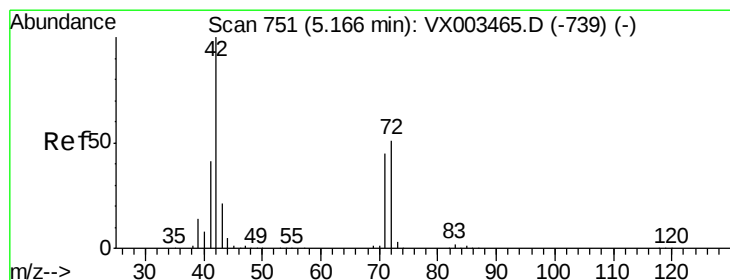
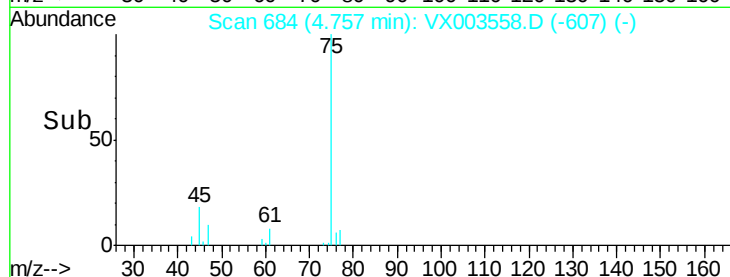
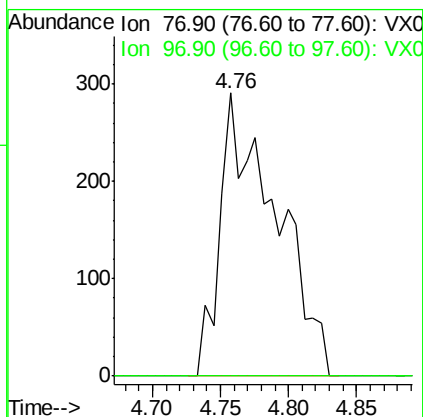
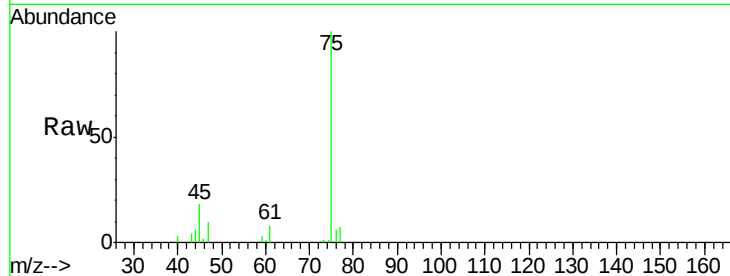




#26
 2,2-Dichloropropane
 Concen: 0.20 ug/l
 RT: 4.76 min Scan# 684
 Delta R.T. 0.17 min
 Lab File: VX003558.D
 Acq: 21 Jul 2018 16:40

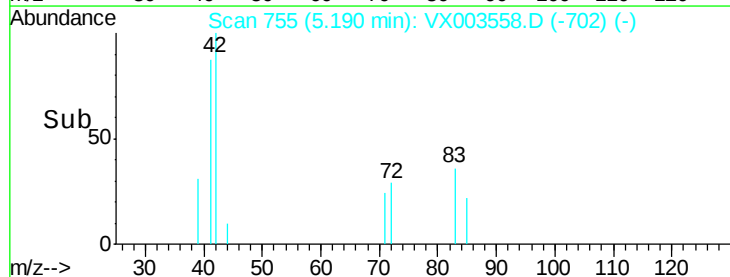
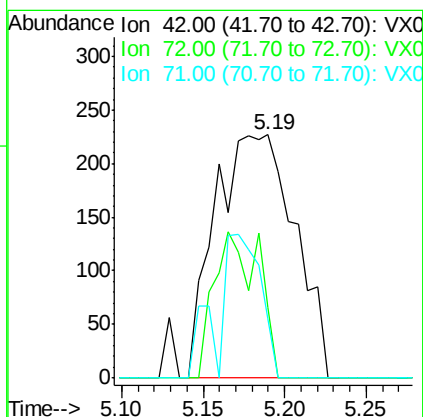
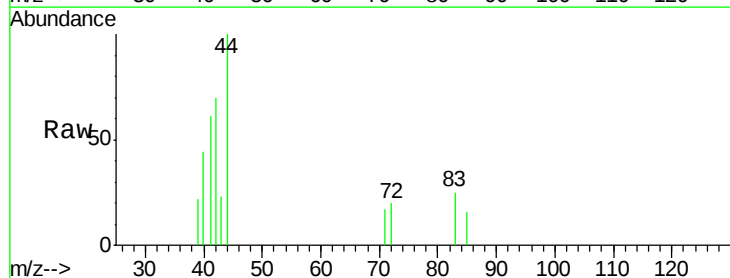
Instrument :
 MSVOA_X
 ClientSampleId :
 GW03-071218DL

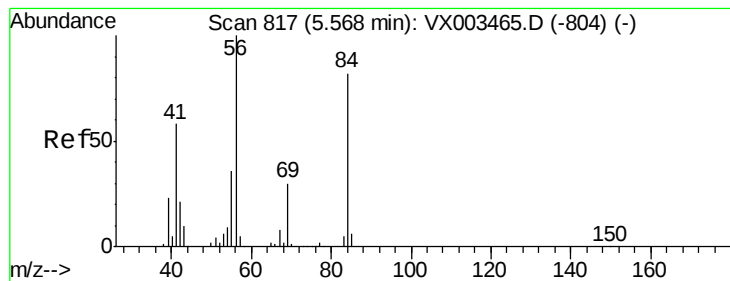
Tot Ion: 77 Resp: 831
 Ion Ratio Lower Upper
 77 100
 97 0.0 11.2 33.5#



#29
 Tetrahydrofuran
 Concen: 0.58 ug/l
 RT: 5.19 min Scan# 755
 Delta R.T. 0.02 min
 Lab File: VX003558.D
 Acq: 21 Jul 2018 16:40

Tgt Ion: 42 Resp: 772
 Ion Ratio Lower Upper
 42 100
 72 0.0 32.0 48.0#
 71 0.0 30.1 45.1#





#31

Cyclohexane

Concen: 0.90 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.10 min

Lab File: VX003558.D

Acq: 21 Jul 2018 16:40

Instrument :

MSVOA_X

ClientSampleId :

GW03-071218DL

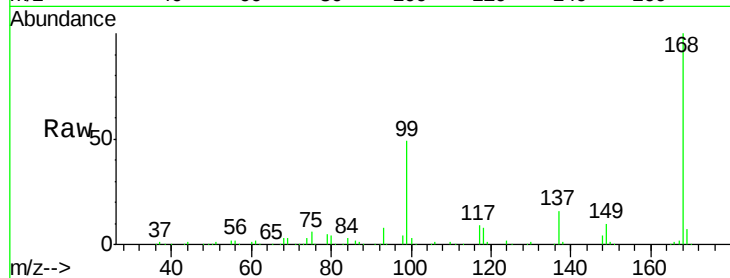
Tot Ion: 56 Resp: 4325

Ion Ratio Lower Upper

56 100

69 177.2 23.7 35.5#

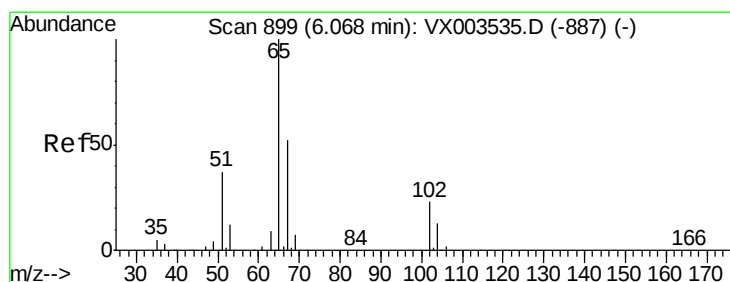
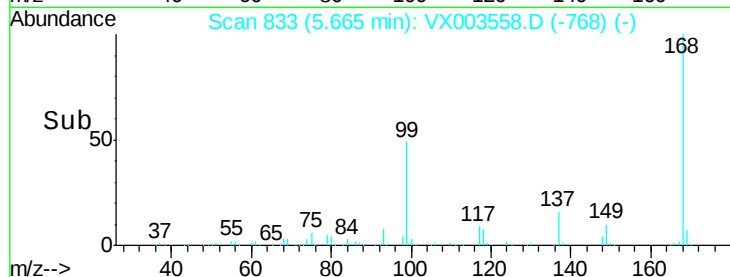
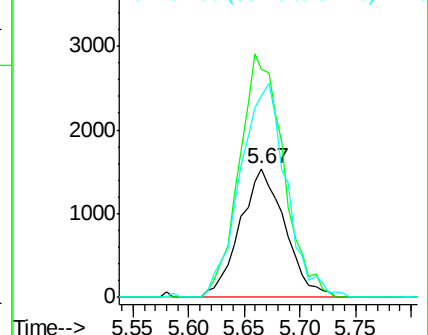
84 156.5 64.1 96.1#



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: 56.52 ug/l

RT: 6.07 min Scan# 899

Delta R.T. 0.00 min

Lab File: VX003558.D

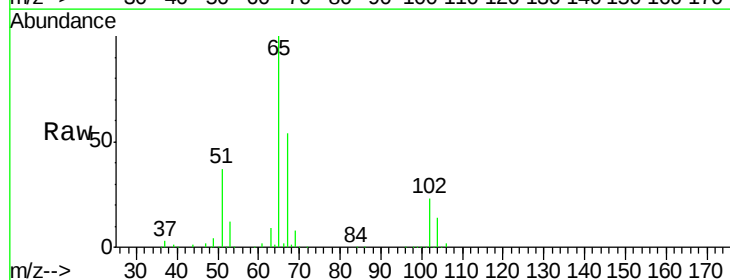
Acq: 21 Jul 2018 16:40

Tgt Ion: 65 Resp: 180864

Ion Ratio Lower Upper

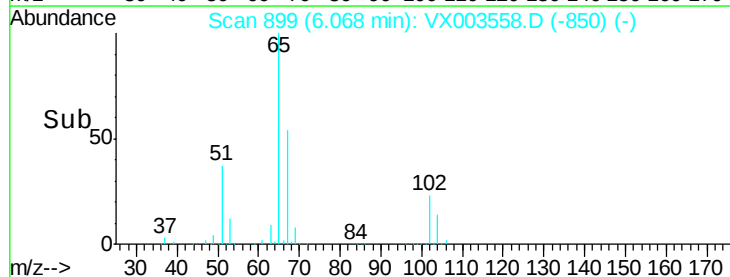
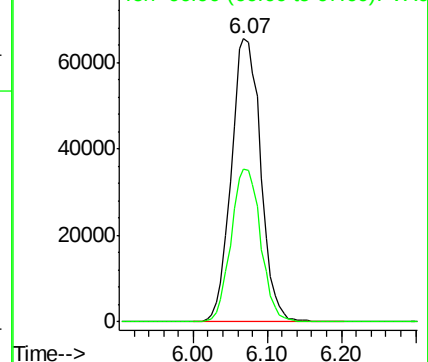
65 100

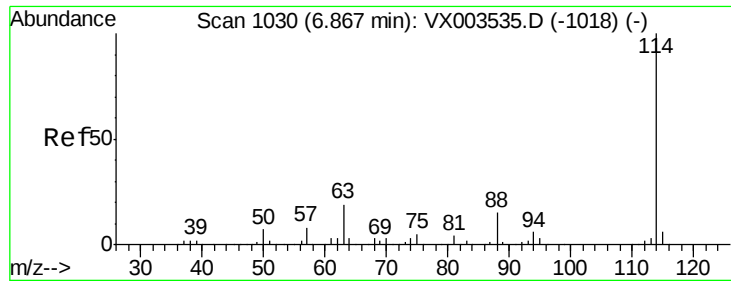
67 54.4 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.86 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VX003558.D

Acq: 21 Jul 2018 16:40

Instrument :

MSVOA_X

ClientSampleId :

GW03-071218DL

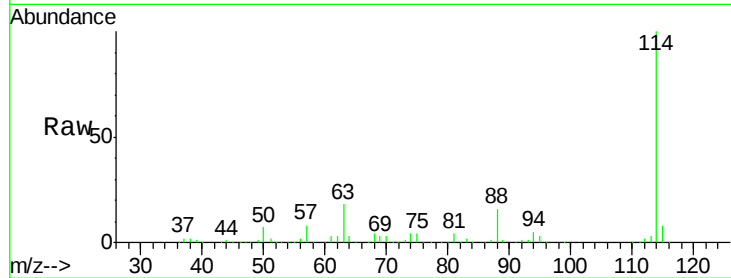
Tot Ion:114 Resp: 446444

Ion Ratio Lower Upper

114 100

63 18.4 0.0 41.4

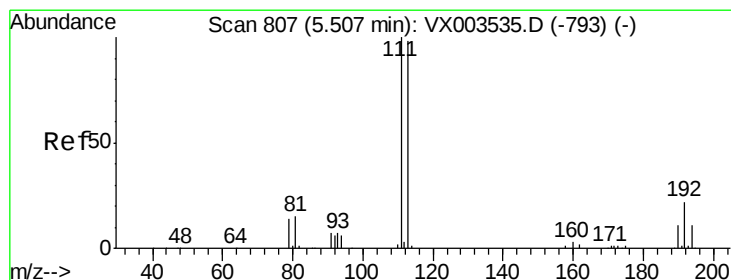
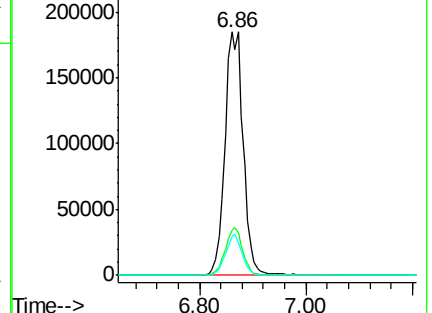
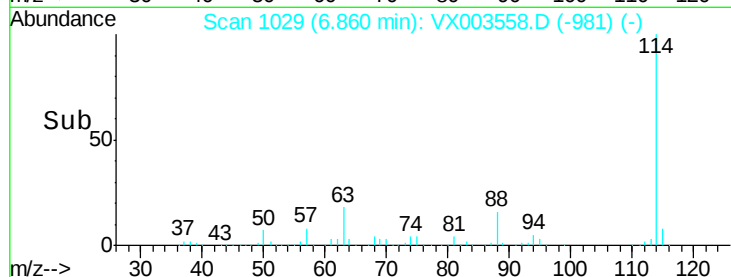
88 15.7 0.0 30.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 45.04 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.00 min

Lab File: VX003558.D

Acq: 21 Jul 2018 16:40

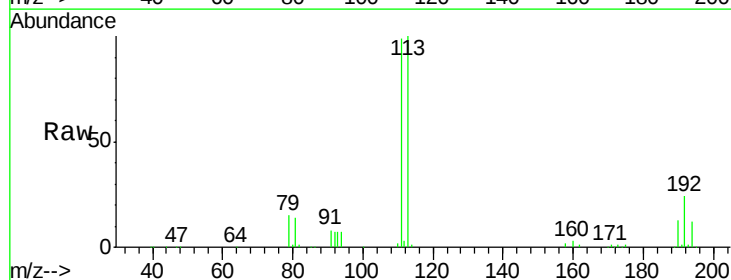
Tgt Ion:113 Resp: 153144

Ion Ratio Lower Upper

113 100

111 101.3 81.4 122.0

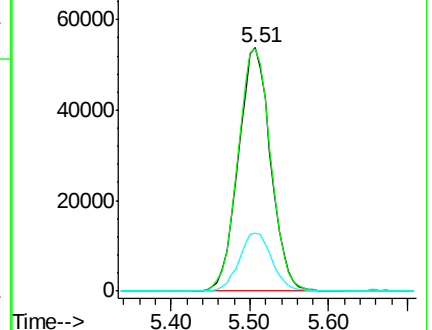
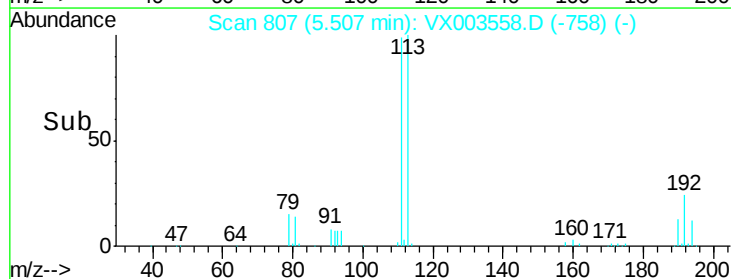
192 24.2 19.1 28.7

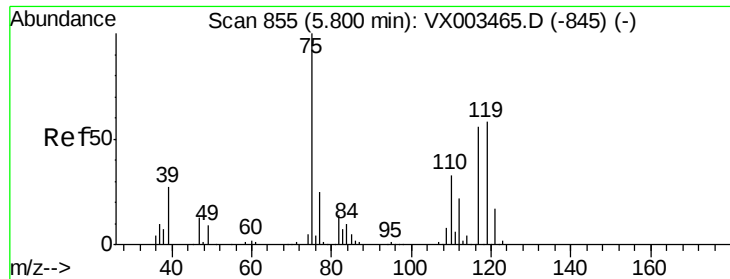


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

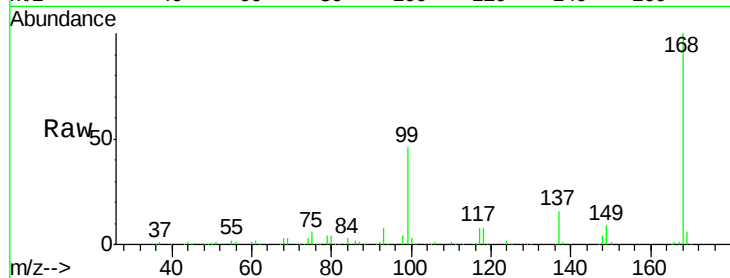




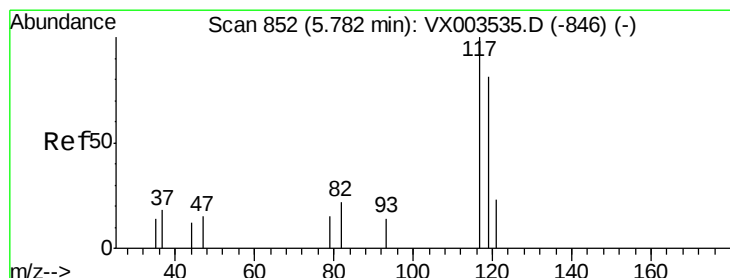
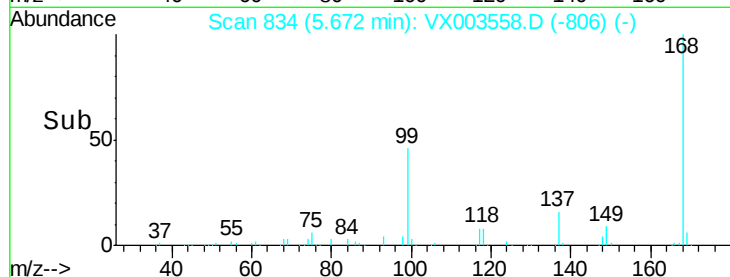
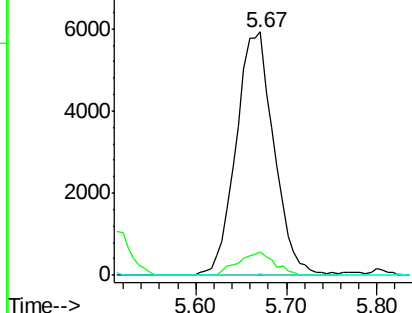
#36
 1,1-Dichloropropene
 Concen: 3.56 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.13 min
 Lab File: VX003558.D
 Acq: 21 Jul 2018 16:40

Instrument :
 MSVOA_X
 ClientSampleId :
 GW03-071218DL

Tot Ion	Ratio	Lower	Upper
75	100		
110	9.1	18.1	54.4#
77	0.1	24.3	36.5#

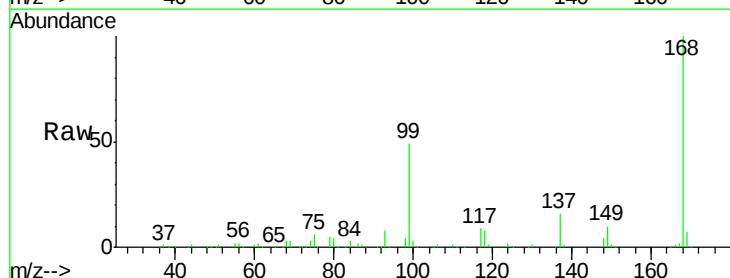


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

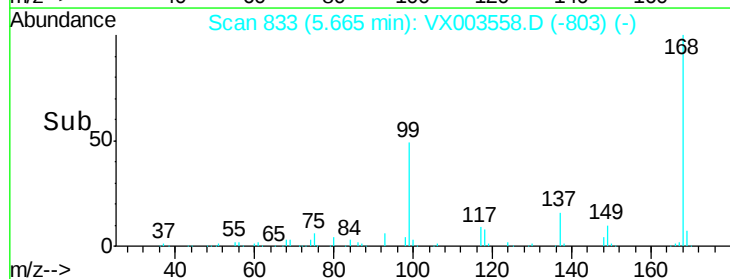
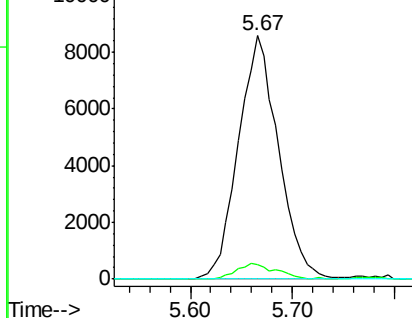


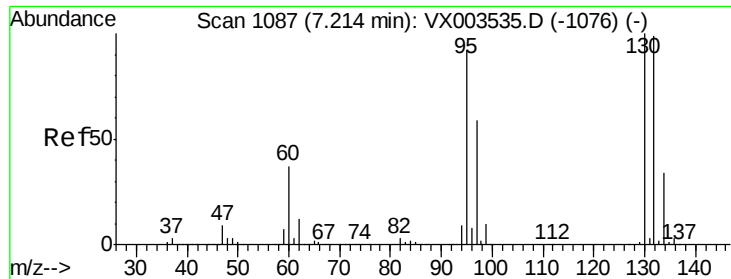
#38
 Carbon Tetrachloride
 Concen: 4.95 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.12 min
 Lab File: VX003558.D
 Acq: 21 Jul 2018 16:40

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.2	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

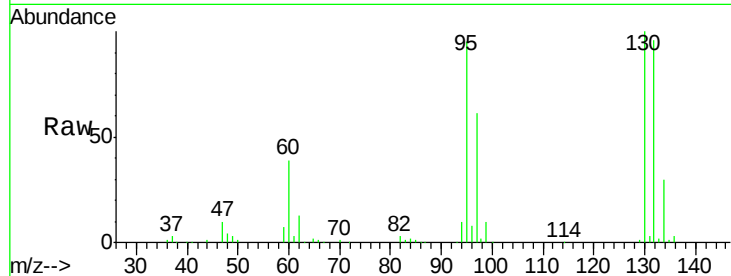




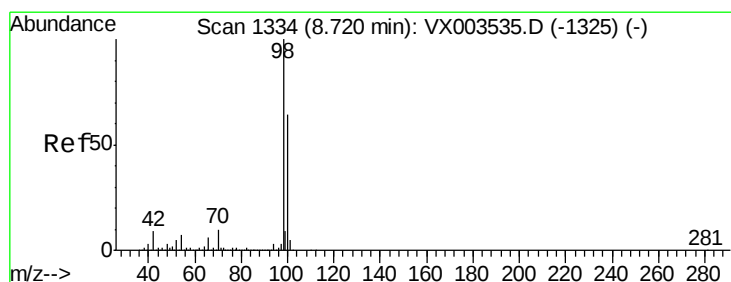
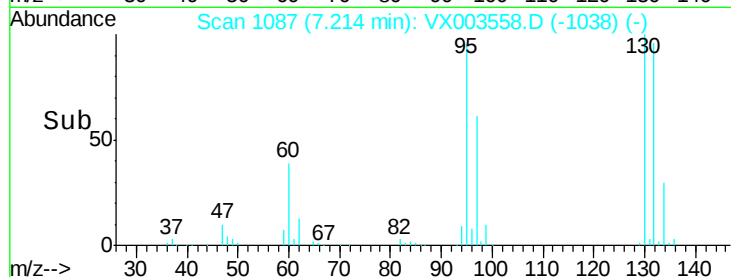
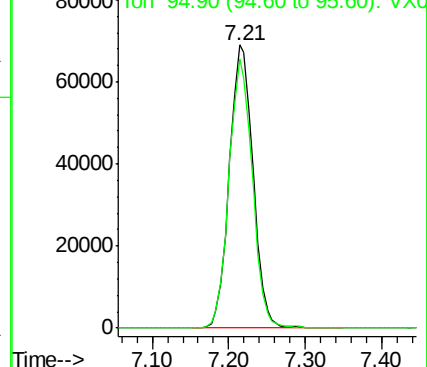
#44
 Trichloroethene
 Concen: 34.07 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. 0.00 min
 Lab File: VX003558.D
 Acq: 21 Jul 2018 16:40

Instrument :
 MSVOA_X
 ClientSampleId :
 GW03-071218DL

Tot Ion:130 Resp: 147872
 Ion Ratio Lower Upper
 130 100
 95 95.0 0.0 185.4

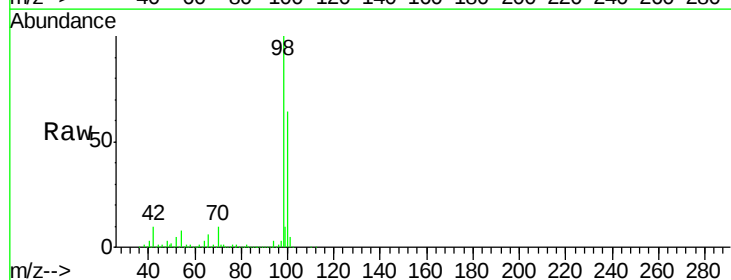


Abundance Ion 129.80 (129.50 to 130.50): V

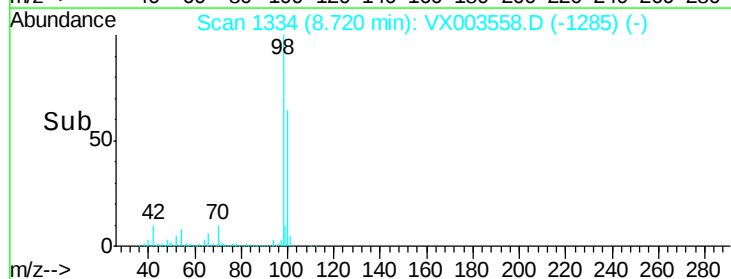
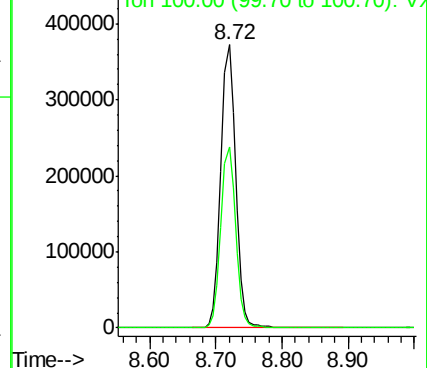


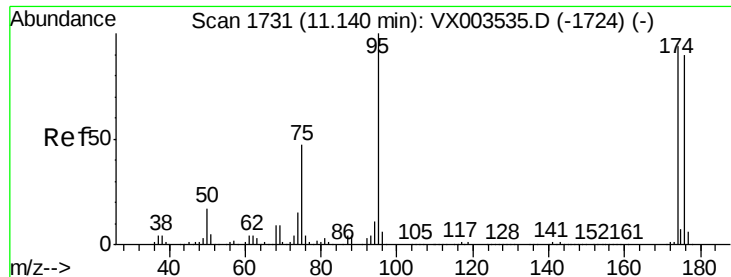
#50
 Toluene-d8
 Concen: 45.41 ug/l
 RT: 8.72 min Scan# 1334
 Delta R.T. 0.00 min
 Lab File: VX003558.D
 Acq: 21 Jul 2018 16:40

Tgt Ion: 98 Resp: 580413
 Ion Ratio Lower Upper
 98 100
 100 64.2 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

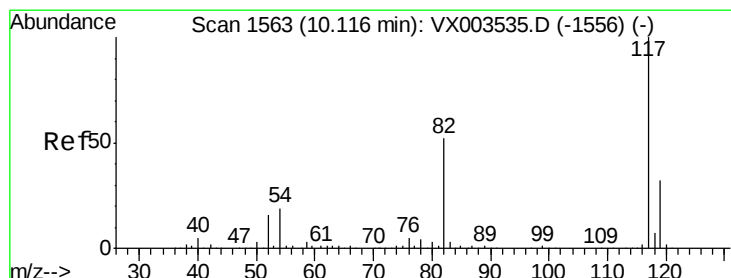
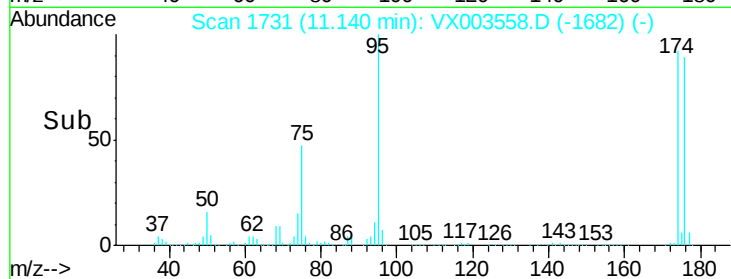
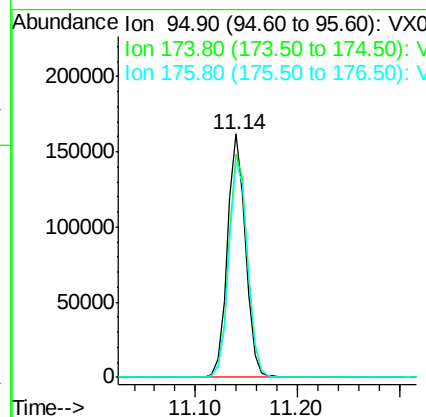
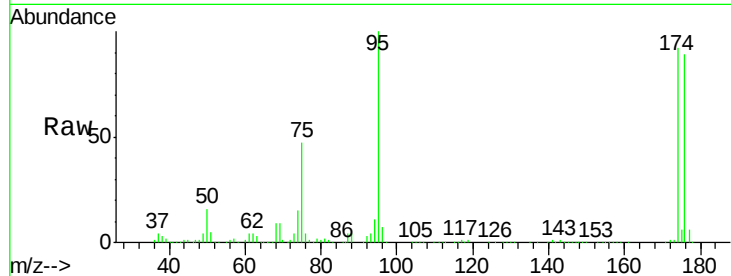




#62
4-Bromofluorobenzene
Concen: 42.64 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX003558.D
Acq: 21 Jul 2018 16:40

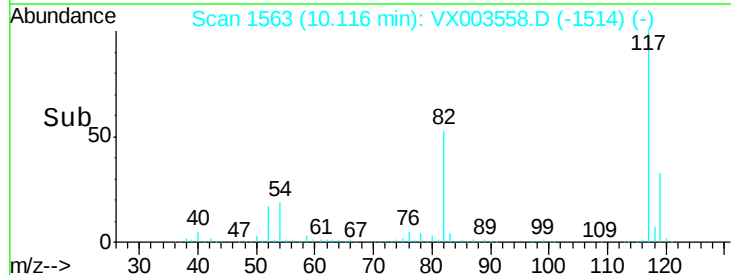
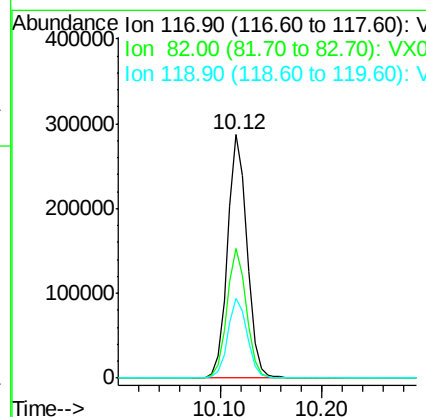
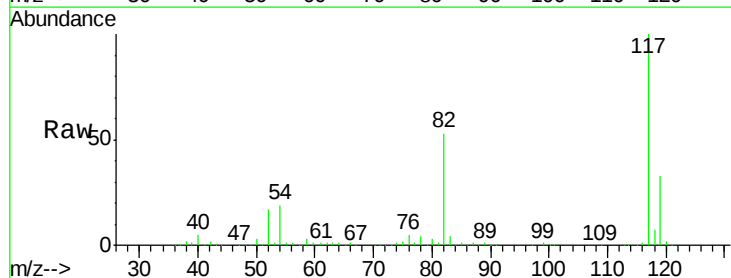
Instrument :
MSVOA_X
ClientSampleId :
GW03-071218DL

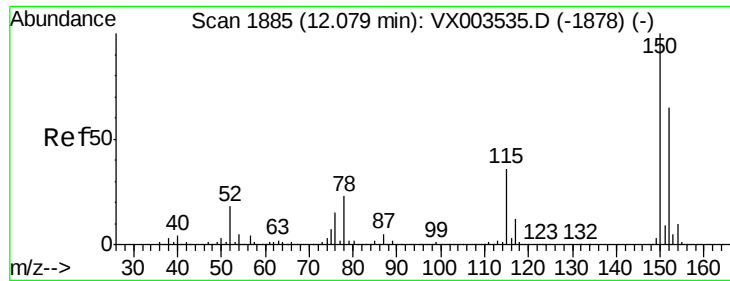
Tot Ion: 95 Resp: 198893
Ion Ratio Lower Upper
95 100
174 95.6 0.0 187.4
176 91.9 0.0 181.0



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003558.D
Acq: 21 Jul 2018 16:40

Tgt Ion: 117 Resp: 381958
Ion Ratio Lower Upper
117 100
82 53.2 45.0 67.4
119 32.7 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: VX003558.D

Acq: 21 Jul 2018 16:40

Instrument :

MSVOA_X

ClientSampleId :

GW03-071218DL

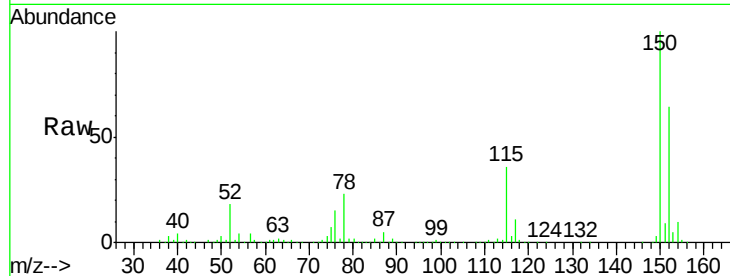
Tot Ion:152 Resp: 212296

Ion Ratio Lower Upper

152 100

115 54.3 40.1 120.2

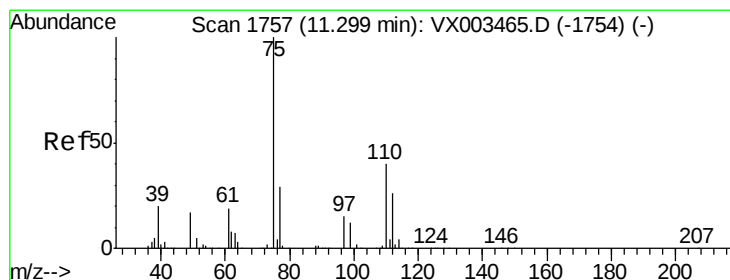
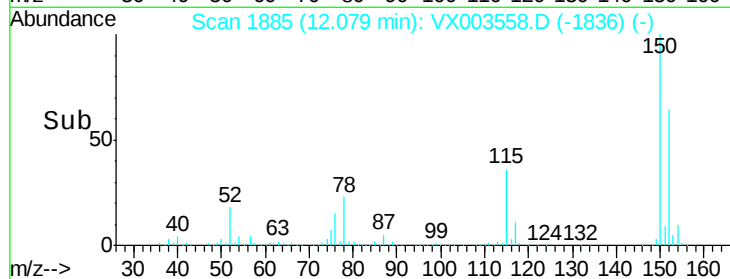
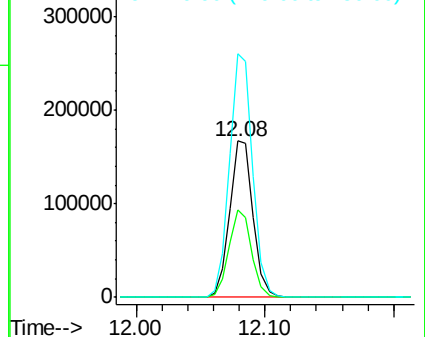
150 155.4 0.0 347.2



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: 24.85 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX003558.D

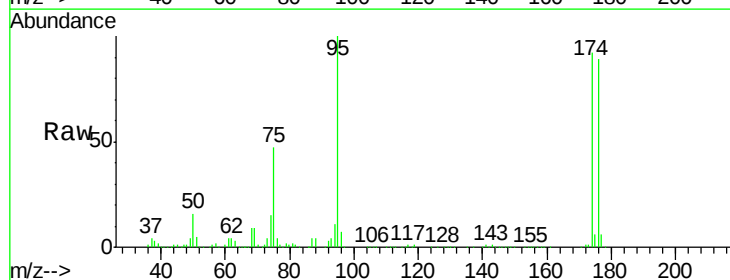
Acq: 21 Jul 2018 16:40

Tgt Ion: 75 Resp: 94776

Ion Ratio Lower Upper

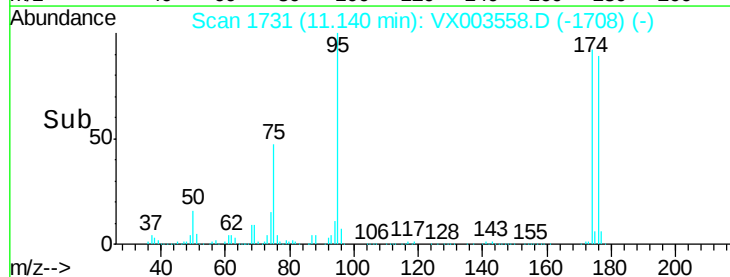
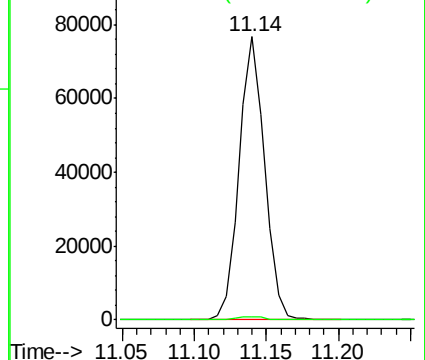
75 100

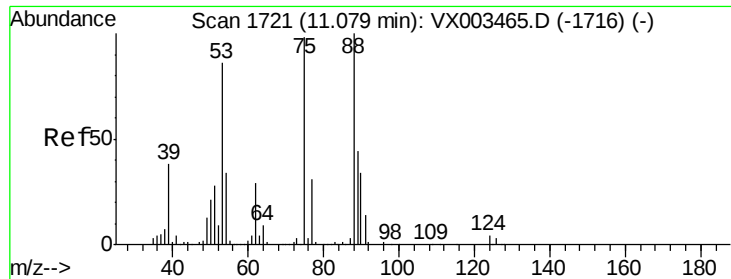
77 1.3 22.8 68.3#



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: 69.60 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX003558.D

Acq: 21 Jul 2018 16:40

Instrument :

MSVOA_X

ClientSampleId :

GW03-071218DL

Tot Ion: 75 Resp: 94776

Ion Ratio Lower Upper

75 100

53 0.2 86.8 130.2#

89 0.0 38.2 57.2#

