

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072018\
 Data File : VX003521.D
 Acq On : 20 Jul 2018 21:24
 Operator : JC/SP
 Sample : VX0720WBL03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0720WBL03

Quant Time: Jul 21 03:42:07 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	278586	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	408451	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	381903	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	207377	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	176178	53.42	ug/l	0.00
Spiked Amount			Recovery	=	106.84%	
35) Dibromofluoromethane	5.51	113	154949	49.81	ug/l	0.00
Spiked Amount			Recovery	=	99.62%	
50) Toluene-d8	8.72	98	582847	49.84	ug/l	0.00
Spiked Amount			Recovery	=	99.68%	
62) 4-Bromofluorobenzene	11.14	95	196615	46.07	ug/l	0.00
Spiked Amount			Recovery	=	92.14%	

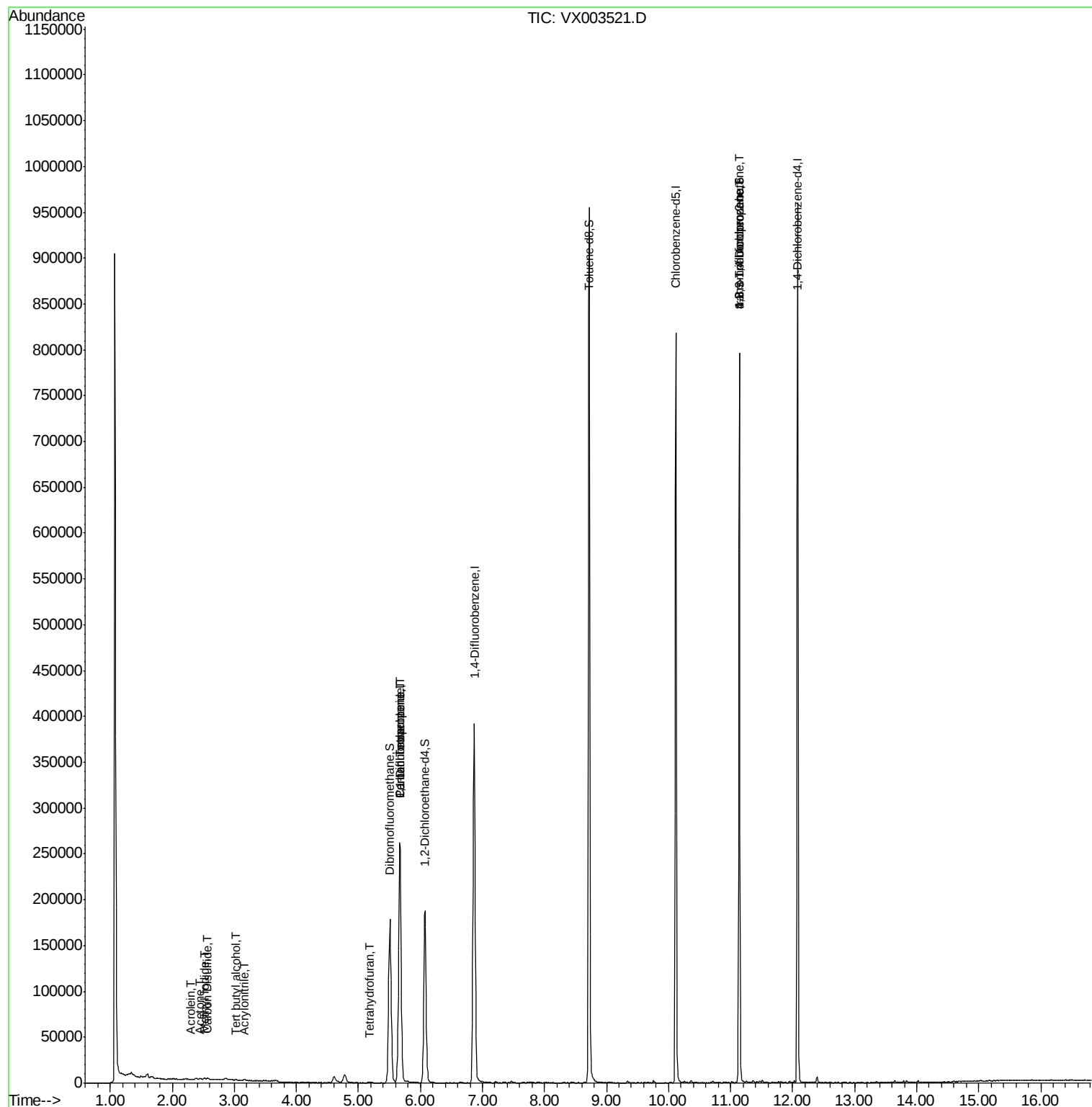
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	226	Below Cal	#	43
3) Chloromethane	1.32	50	752	Below Cal	#	72
5) Bromomethane	1.65	94	1658	Below Cal		84
10) Methyl Iodide	2.52	142	2241	0.60	ug/l #	89
11) Tert butyl alcohol	3.02	59	439	0.67	ug/l #	73
13) Acrolein	2.31	56	169	0.57	ug/l #	1
15) Acrylonitrile	3.16	53	495	0.30	ug/l #	90
16) Acetone	2.45	43	669	0.54	ug/l	92
17) Carbon Disulfide	2.57	76	2388	0.31	ug/l #	79
20) Methylene Chloride	2.86	84	751	Below Cal	#	82
29) Tetrahydrofuran	5.19	42	760	0.55	ug/l #	84
36) 1,1-Dichloropropene	5.66	75	17134	3.89	ug/l #	50
38) Carbon Tetrachloride	5.67	117	24381	5.64	ug/l #	16
76) 1,2,3-Trichloropropane	11.14	75	94171	25.28	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.14	75	94171	70.76	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: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX003521.D

Acq: 20 Jul 2018 21:24

Instrument :

MSVOA_X

ClientSampleId :

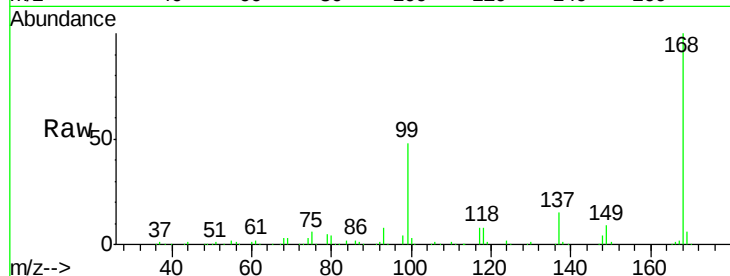
VX0720WBL03

Tot Ion:168 Resp: 278586

Ion Ratio Lower Upper

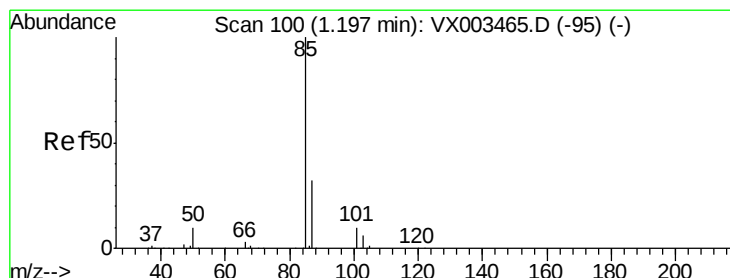
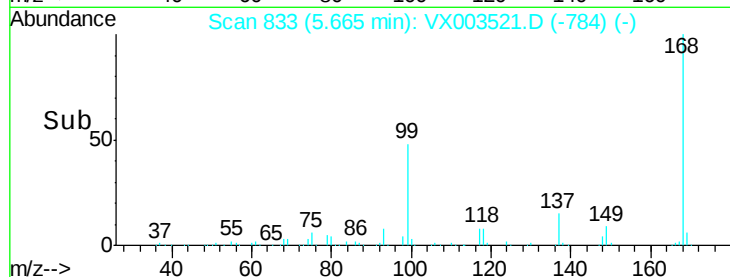
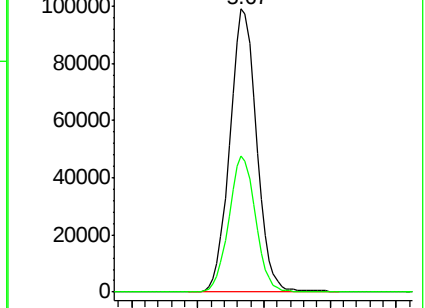
168 100

99 48.2 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# 101

Delta R.T. 0.01 min

Lab File: VX003521.D

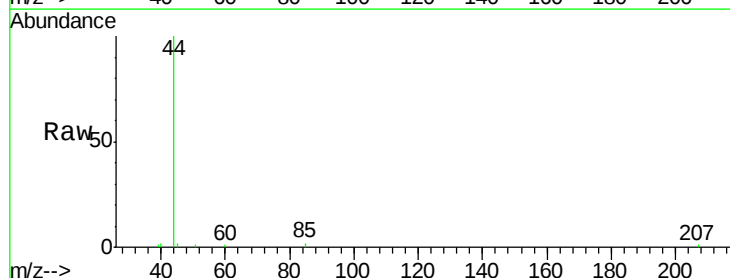
Acq: 20 Jul 2018 21:24

Tgt Ion: 85 Resp: 226

Ion Ratio Lower Upper

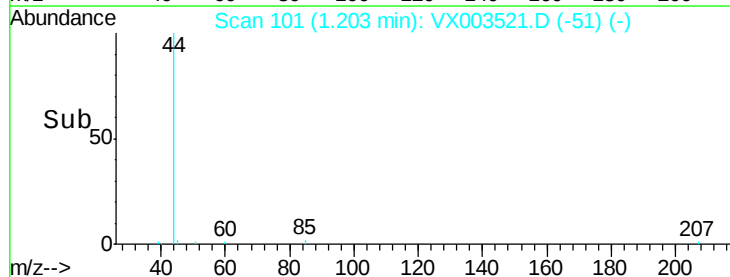
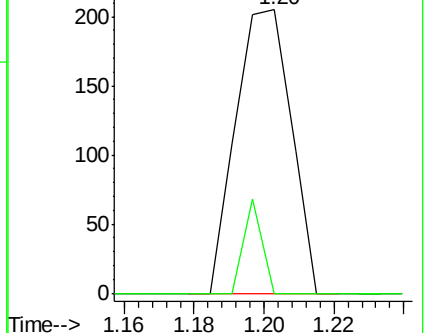
85 100

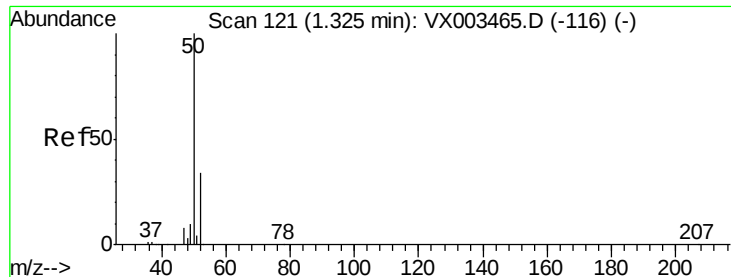
87 0.0 16.0 47.9#



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: VX003521.D

Acq: 20 Jul 2018 21:24

Instrument :

MSVOA_X

ClientSampleId :

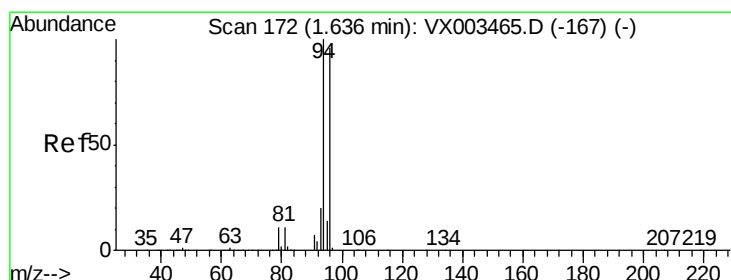
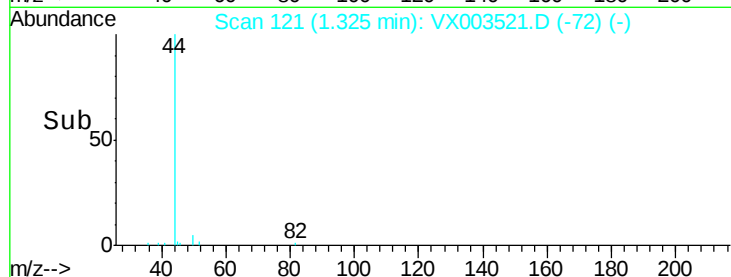
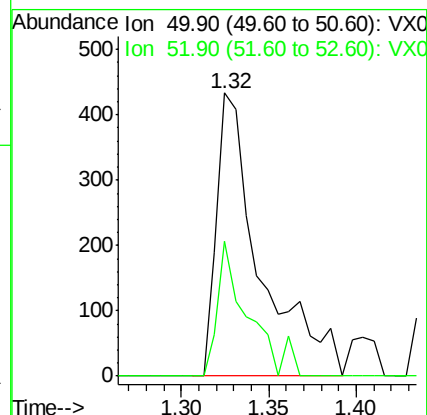
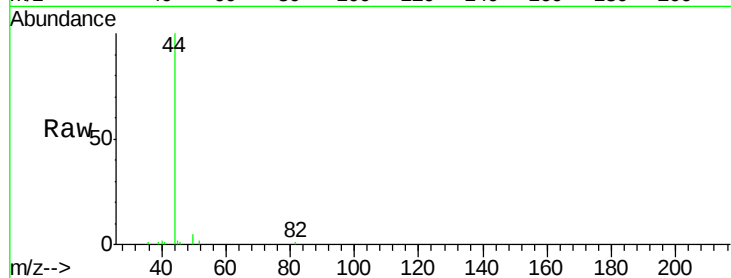
VX0720WBL03

Tot Ion: 50 Resp: 752

Ion Ratio Lower Upper

50 100

52 47.8 25.7 38.5#



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX003521.D

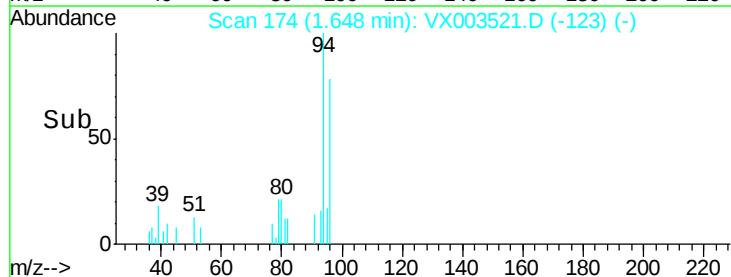
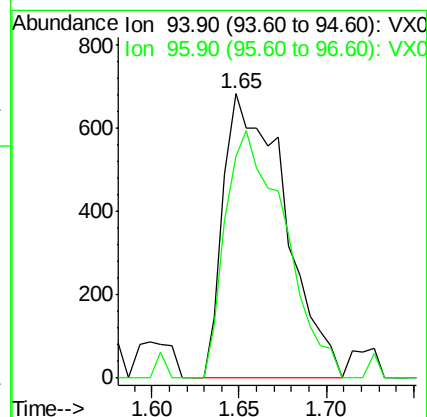
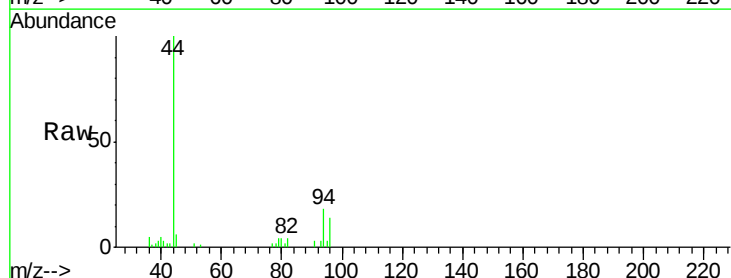
Acq: 20 Jul 2018 21:24

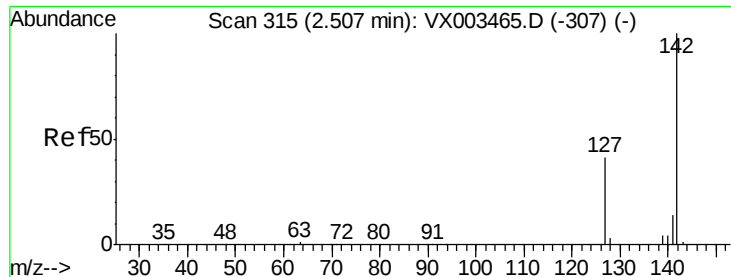
Tgt Ion: 94 Resp: 1658

Ion Ratio Lower Upper

94 100

96 78.1 74.9 112.3

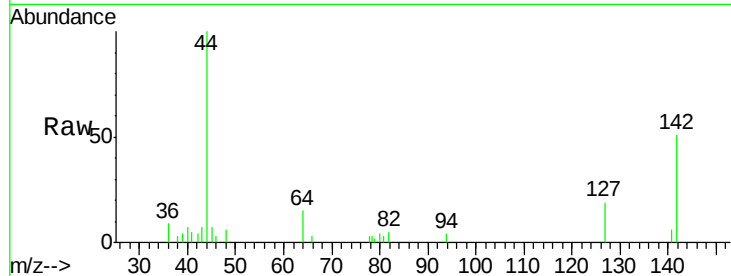




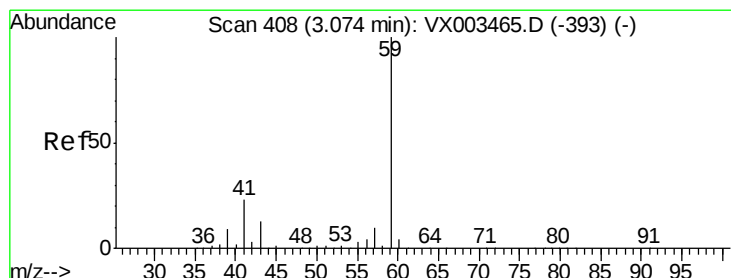
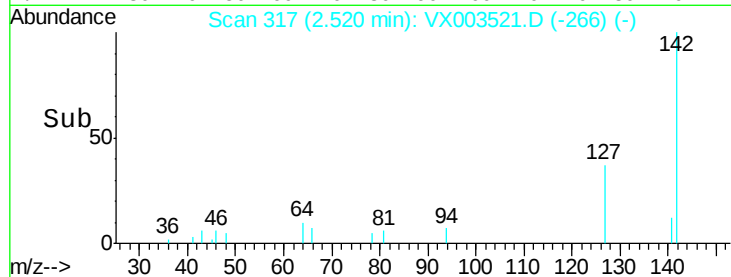
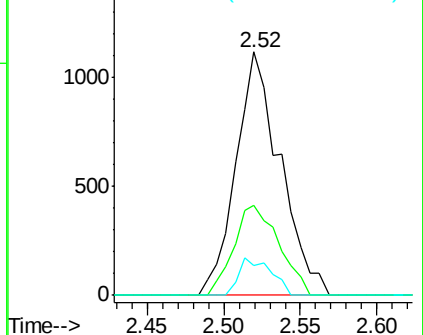
#10
Methvl Iodide
Concen: 0.60 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX003521.D
Acq: 20 Jul 2018 21:24

Instrument :
MSVOA_X
ClientSampleId :
VX0720WBL03

Tot Ion:142 Resp: 2241
Ion Ratio Lower Upper
142 100
127 37.8 36.6 55.0
141 11.2 11.3 16.9#

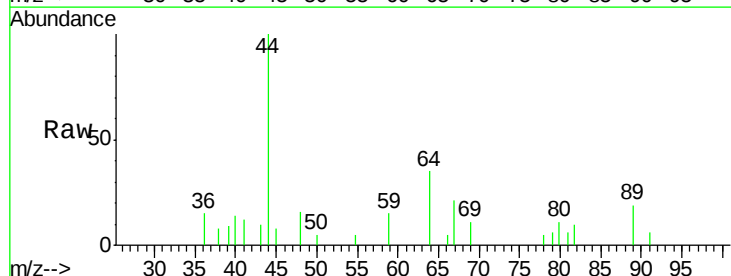


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

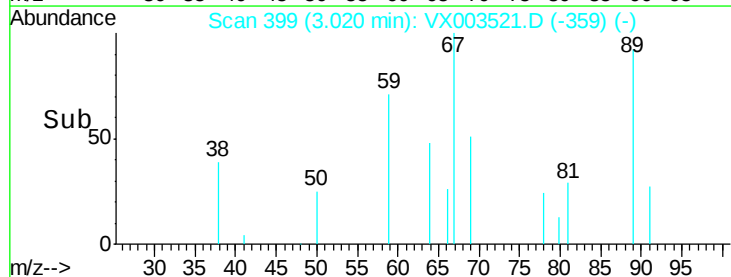
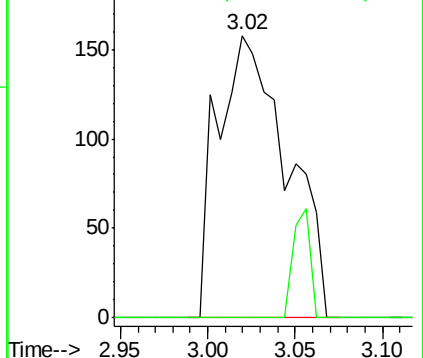


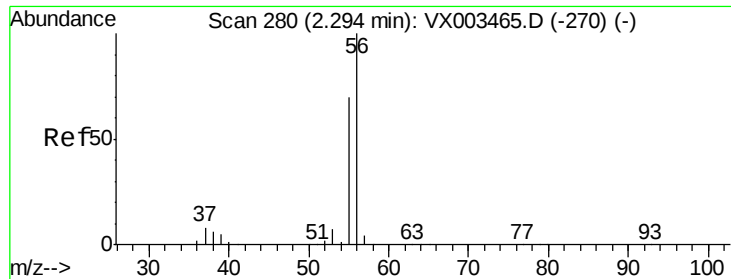
#11
Tert butyl alcohol
Concen: 0.67 ug/l
RT: 3.02 min Scan# 399
Delta R.T. -0.05 min
Lab File: VX003521.D
Acq: 20 Jul 2018 21:24

Tgt Ion: 59 Resp: 439
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

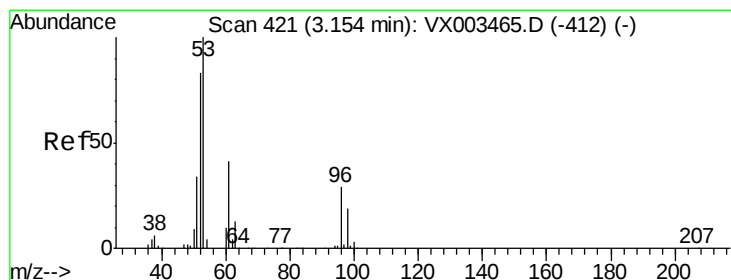
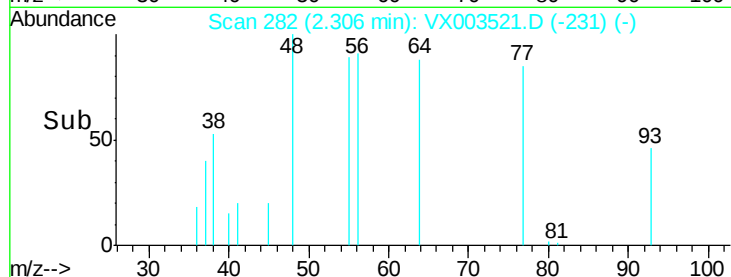
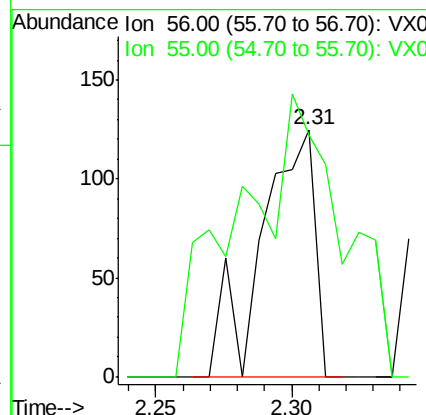
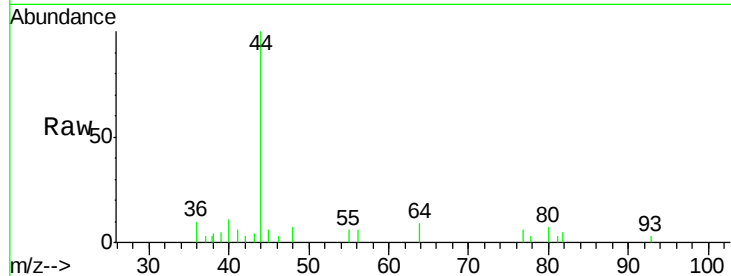




#13
 Acrolein
 Concen: 0.57 ug/l
 RT: 2.31 min Scan# 282
 Delta R.T. 0.01 min
 Lab File: VX003521.D
 Acq: 20 Jul 2018 21:24

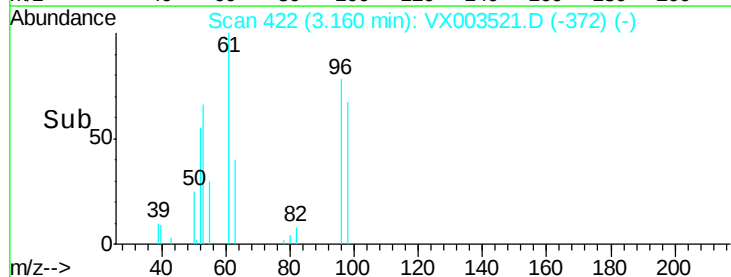
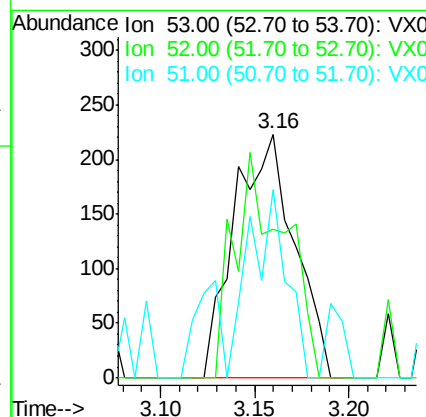
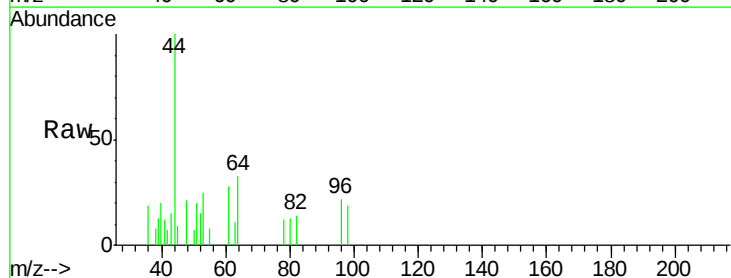
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0720WBL03

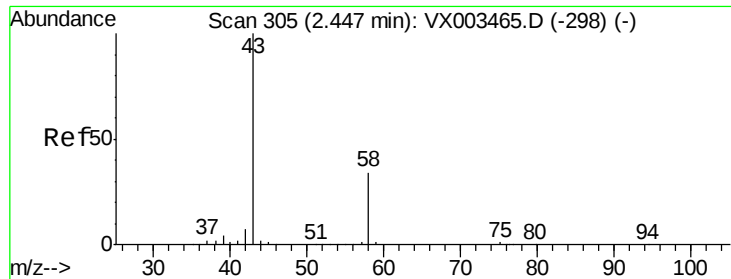
Tot Ion: 56 Resp: 169
 Ion Ratio Lower Upper
 56 100
 55 222.5 57.0 85.4#



#15
 Acrylonitrile
 Concen: 0.30 ug/l
 RT: 3.16 min Scan# 422
 Delta R.T. 0.01 min
 Lab File: VX003521.D
 Acq: 20 Jul 2018 21:24

Tgt Ion: 53 Resp: 495
 Ion Ratio Lower Upper
 53 100
 52 77.6 66.7 100.1
 51 47.7 29.9 44.9#





#16

Acetone

Concen: 0.54 ug/l

RT: 2.45 min Scan# 305

Delta R.T. 0.00 min

Lab File: VX003521.D

Acq: 20 Jul 2018 21:24

Instrument :

MSVOA_X

ClientSampleId :

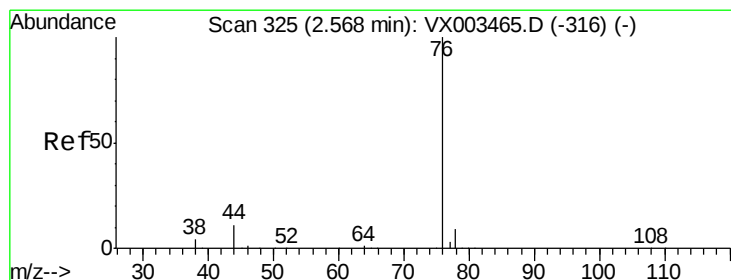
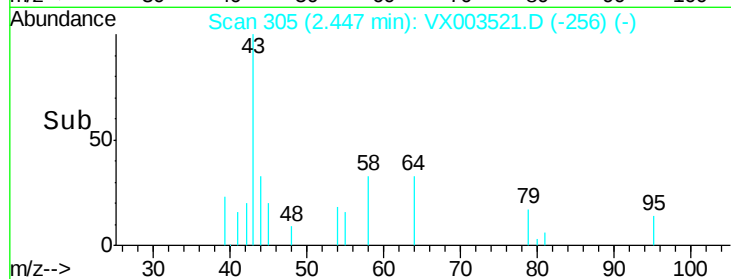
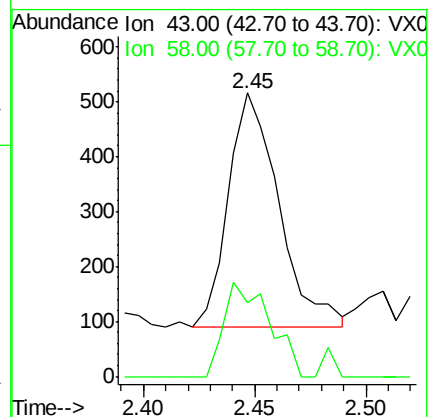
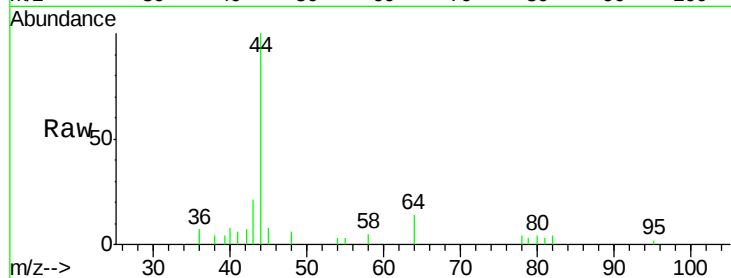
VX0720WBL03

Tot Ion: 43 Resp: 669

Ion Ratio Lower Upper

43 100

58 31.5 22.1 33.1



#17

Carbon Disulfide

Concen: 0.31 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX003521.D

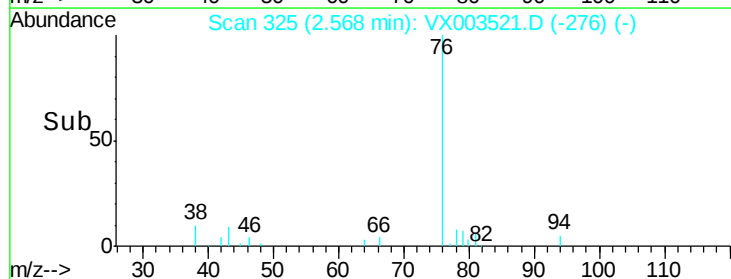
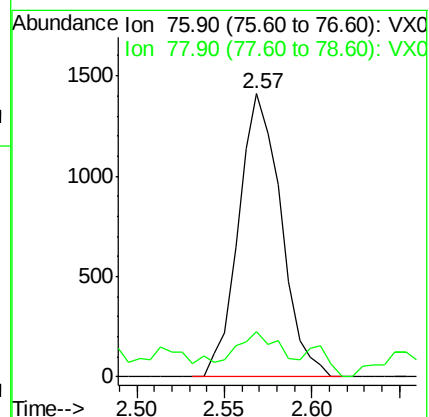
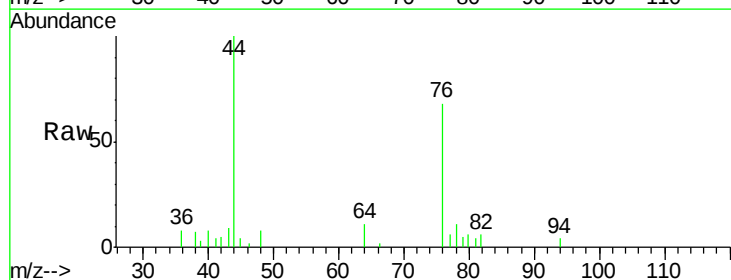
Acq: 20 Jul 2018 21:24

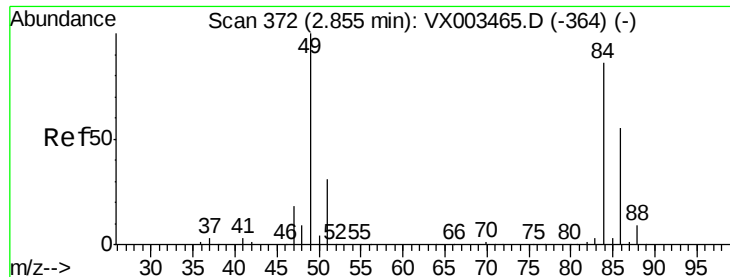
Tgt Ion: 76 Resp: 2388

Ion Ratio Lower Upper

76 100

78 16.1 6.9 10.3#

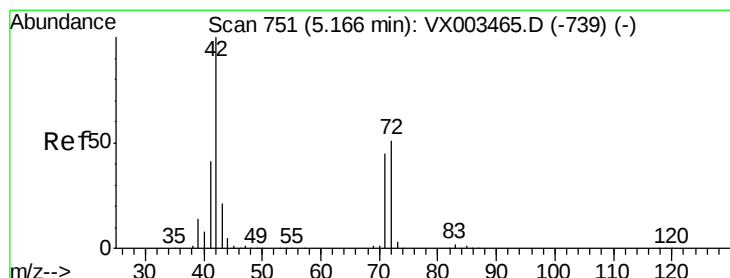
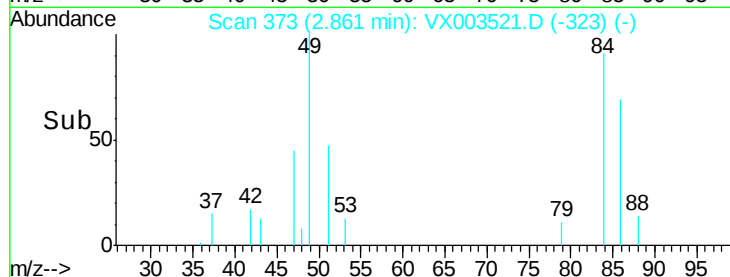
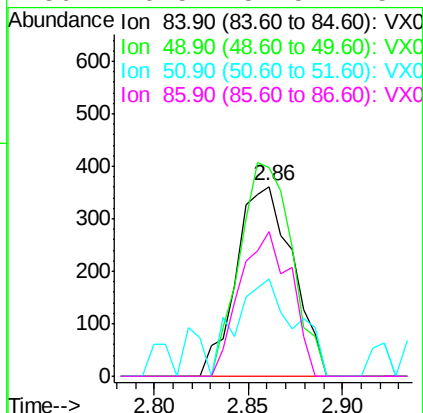
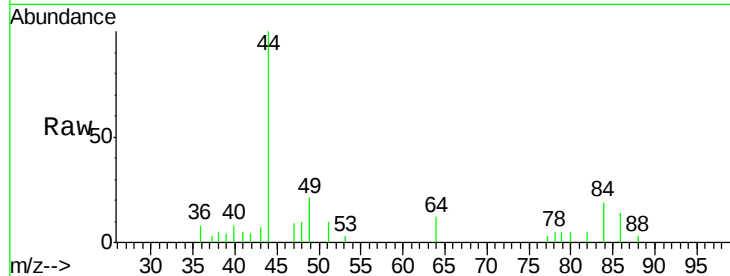




#20
Methylene Chloride
Concen: Below Cal
RT: 2.86 min Scan# 373
Delta R.T. 0.01 min
Lab File: VX003521.D
Acq: 20 Jul 2018 21:24

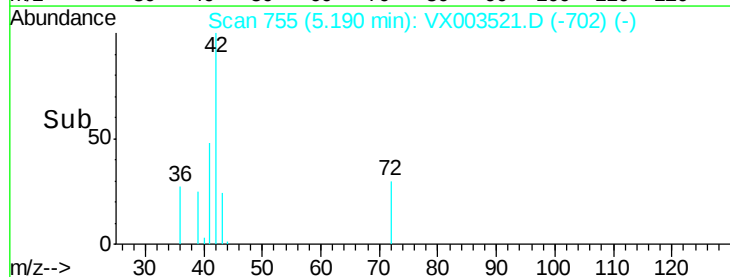
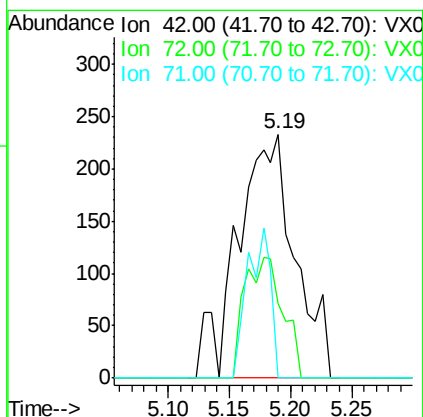
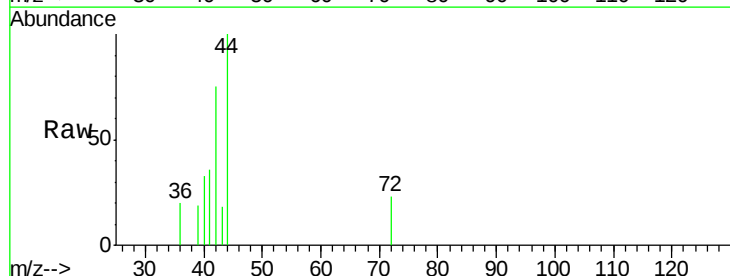
Instrument :
MSVOA_X
ClientSampleId :
VX0720WBL03

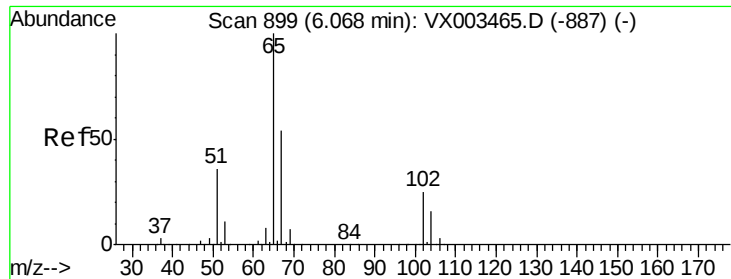
Tot Ion: 84 Resp: 751
Ion Ratio Lower Upper
84 100
49 110.2 107.8 161.6
51 51.5 32.8 49.2#
86 76.5 52.5 78.7



#29
Tetrahydrofuran
Concen: 0.55 ug/l
RT: 5.19 min Scan# 755
Delta R.T. 0.02 min
Lab File: VX003521.D
Acq: 20 Jul 2018 21:24

Tgt Ion: 42 Resp: 760
Ion Ratio Lower Upper
42 100
72 32.9 32.0 48.0
71 25.0 30.1 45.1#





#33

1,2-Dichloroethane-d4

Concen: 53.42 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.01 min

Lab File: VX003521.D

Acq: 20 Jul 2018 21:24

Instrument :

MSVOA_X

ClientSampleId :

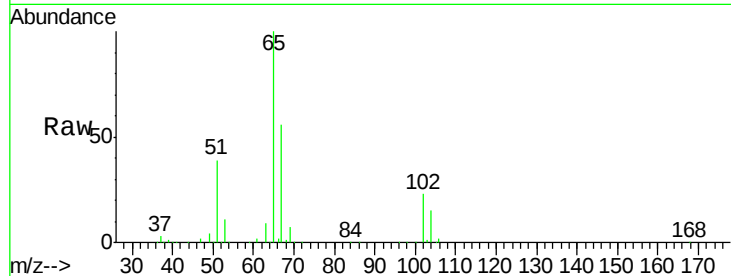
VX0720WBL03

Tot Ion: 65 Resp: 176178

Ion Ratio Lower Upper

65 100

67 54.5 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

80000

60000

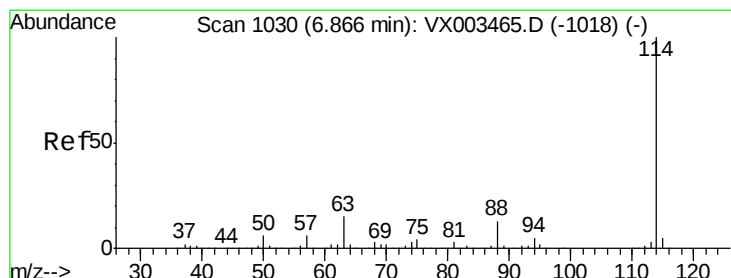
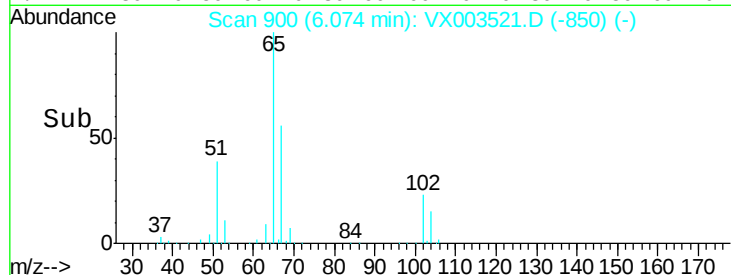
40000

20000

0

Time-->

5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VX003521.D

Acq: 20 Jul 2018 21:24

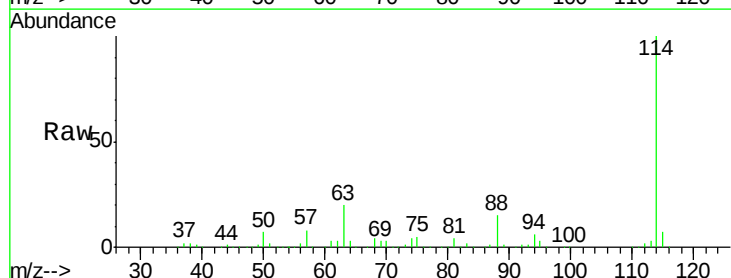
Tgt Ion: 114 Resp: 408451

Ion Ratio Lower Upper

114 100

63 19.7 0.0 41.4

88 15.0 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

200000

150000

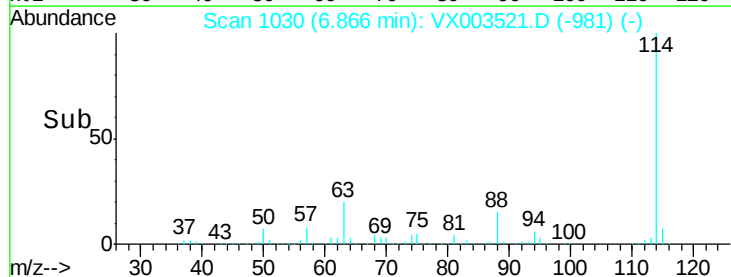
100000

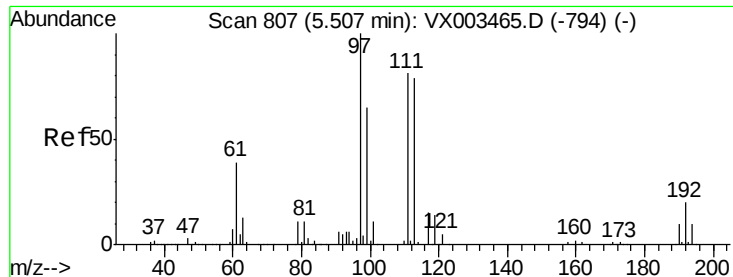
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0

Time-->

6.80 7.00 7.20

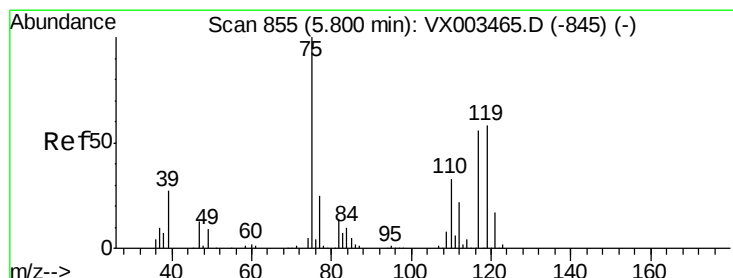
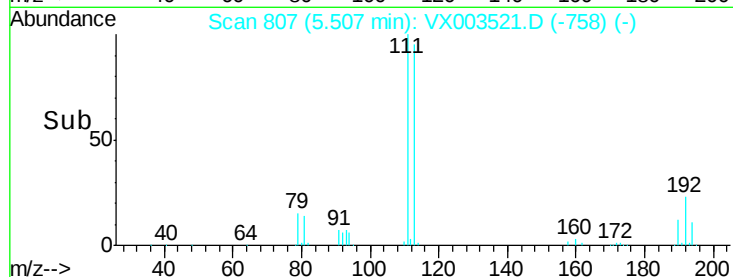
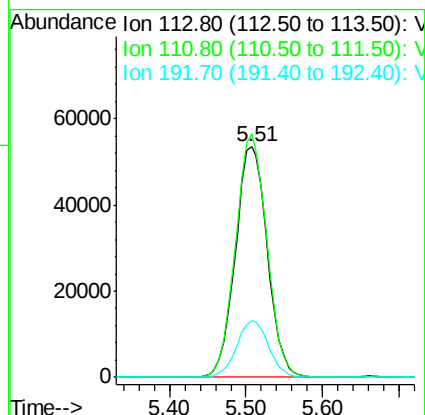
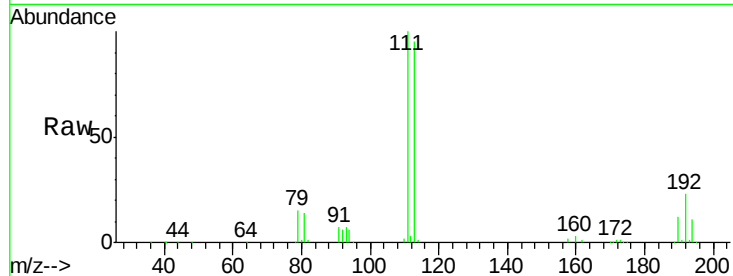




#35
 Dibromofluoromethane
 Concen: 49.81 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.00 min
 Lab File: VX003521.D
 Acq: 20 Jul 2018 21:24

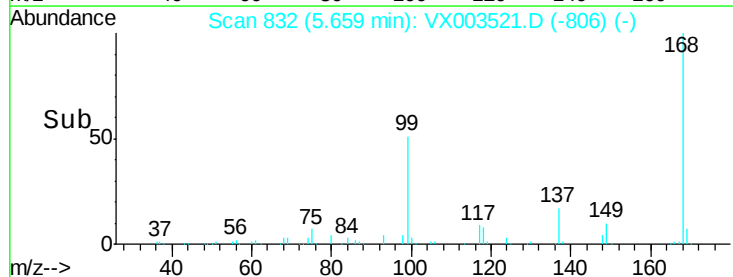
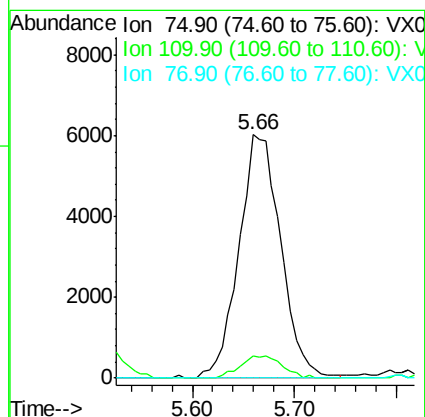
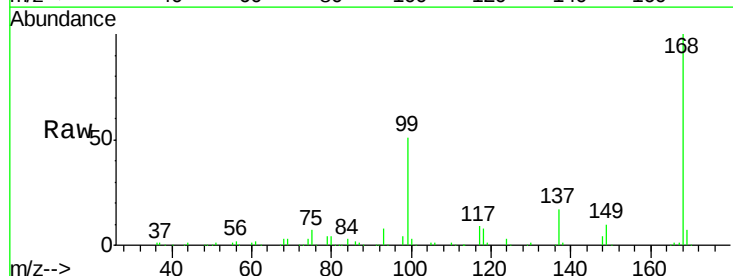
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0720WBL03

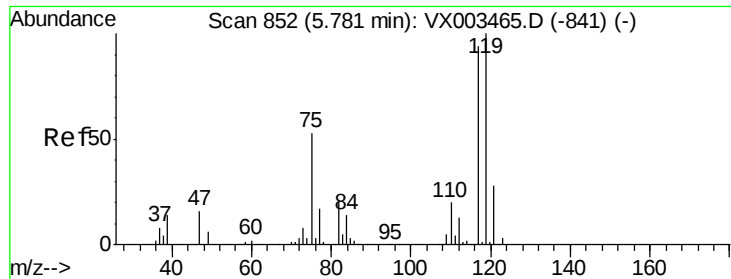
Tot Ion:113 Resp: 154949
 Ion Ratio Lower Upper
 113 100
 111 103.6 81.4 122.0
 192 24.4 19.1 28.7



#36
 1,1-Dichloropropene
 Concen: 3.89 ug/l
 RT: 5.66 min Scan# 832
 Delta R.T. -0.14 min
 Lab File: VX003521.D
 Acq: 20 Jul 2018 21:24

Tgt Ion: 75 Resp: 17134
 Ion Ratio Lower Upper
 75 100
 110 9.2 18.1 54.4#
 77 0.0 24.3 36.5#

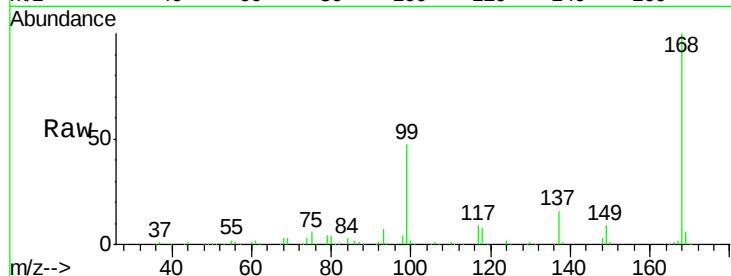




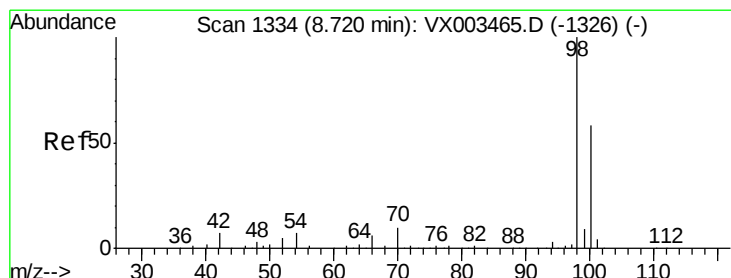
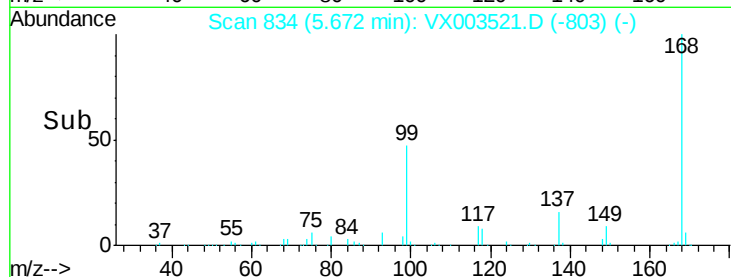
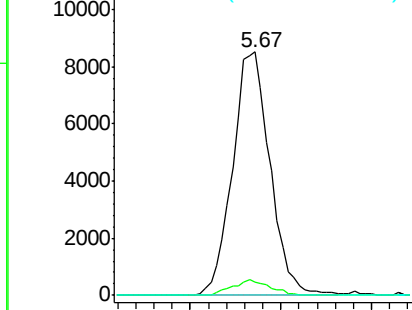
#38
Carbon Tetrachloride
Concen: 5.64 ug/l
RT: 5.67 min Scan# 834
Delta R.T. -0.11 min
Lab File: VX003521.D
Acq: 20 Jul 2018 21:24

Instrument :
MSVOA_X
ClientSampleId :
VX0720WBL03

Tot Ion:117 Resp: 24381
Ion Ratio Lower Upper
117 100
119 5.4 77.4 116.0#
121 0.0 24.4 36.6#

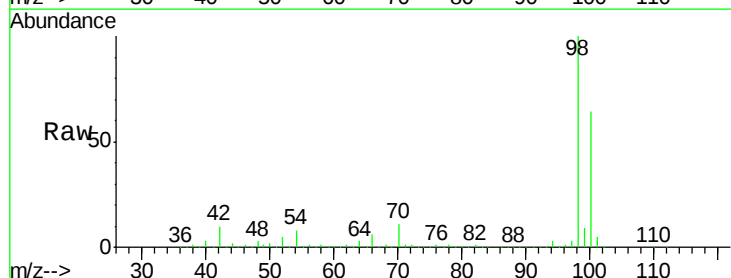


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

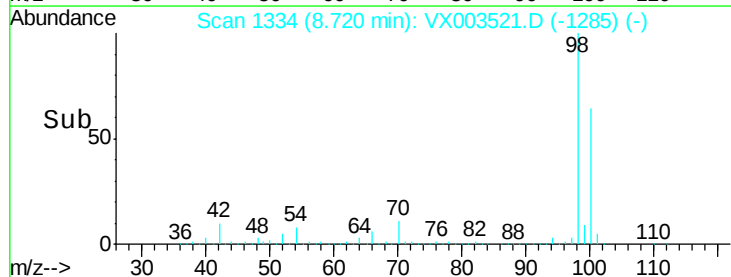
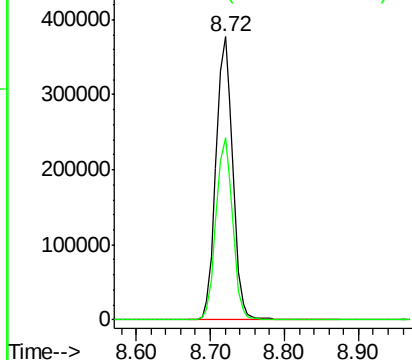


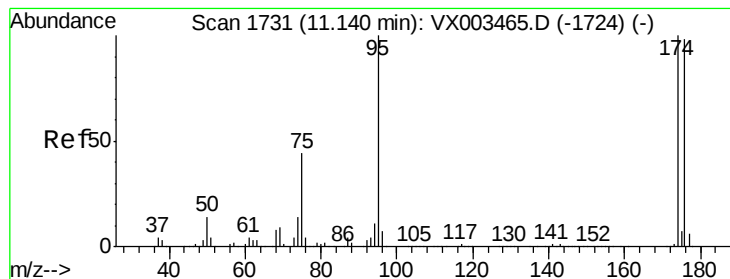
#50
Toluene-d8
Concen: 49.84 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003521.D
Acq: 20 Jul 2018 21:24

Tgt Ion: 98 Resp: 582847
Ion Ratio Lower Upper
98 100
100 64.0 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: 46.07 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003521.D

Acq: 20 Jul 2018 21:24

Instrument :

MSVOA_X

ClientSampleId :

VX0720WBL03

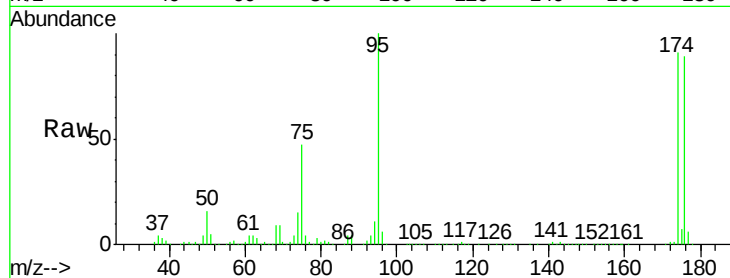
Tot Ion: 95 Resp: 196615

Ion Ratio Lower Upper

95 100

174 94.6 0.0 187.4

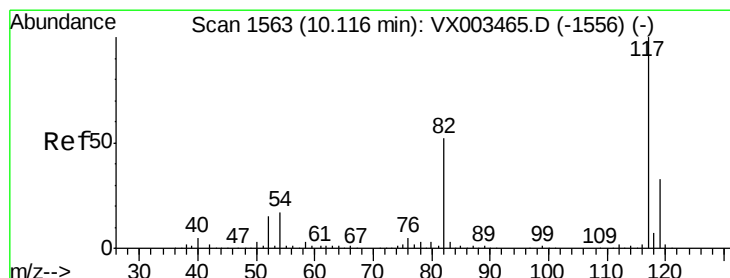
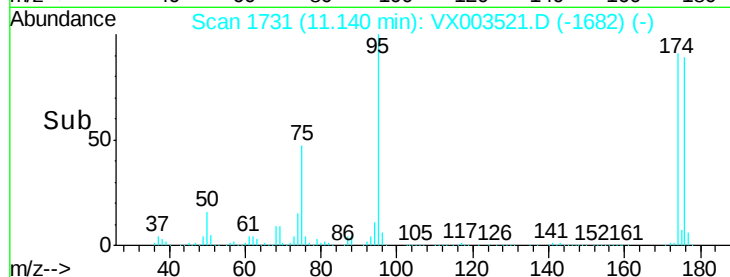
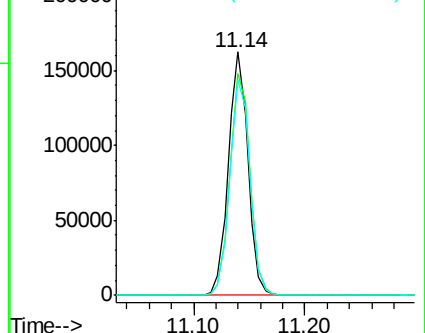
176 91.7 0.0 181.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VX003521.D

Acq: 20 Jul 2018 21:24

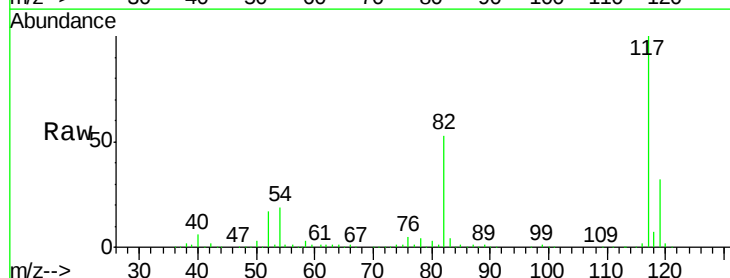
Tgt Ion: 117 Resp: 381903

Ion Ratio Lower Upper

117 100

82 53.5 45.0 67.4

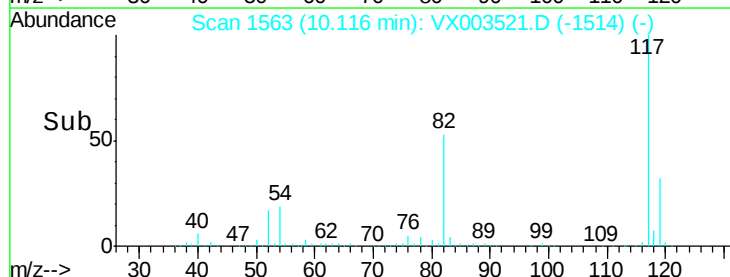
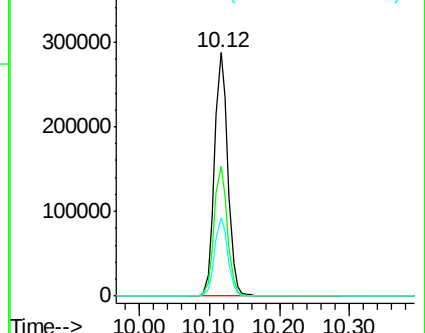
119 32.2 25.8 38.6

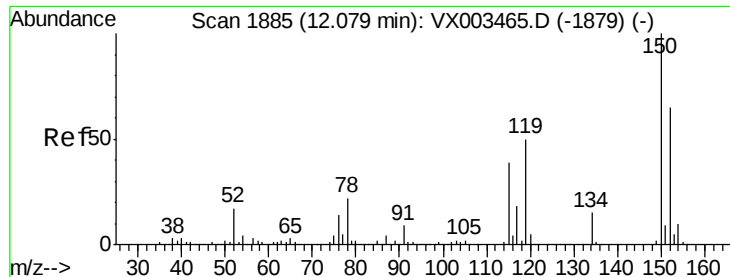


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VX003521.D

Acq: 20 Jul 2018 21:24

Instrument :

MSVOA_X

ClientSampleId :

VX0720WBL03

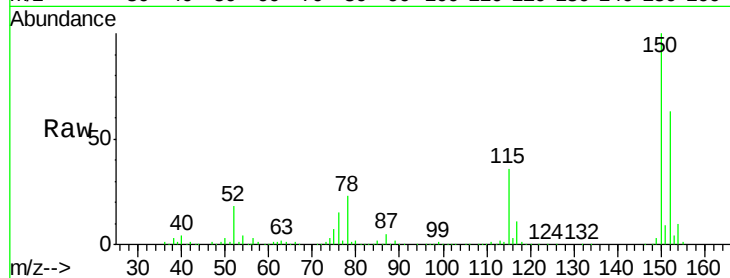
Tot Ion:152 Resp: 207377

Ion Ratio Lower Upper

152 100

115 54.3 40.1 120.2

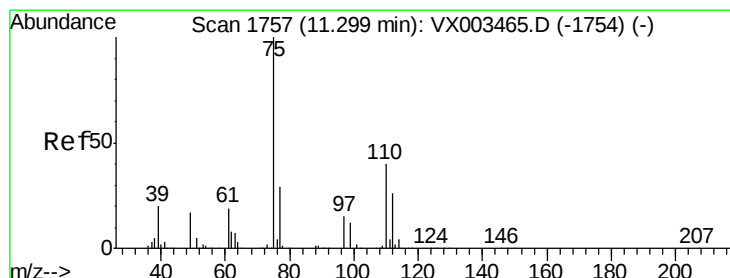
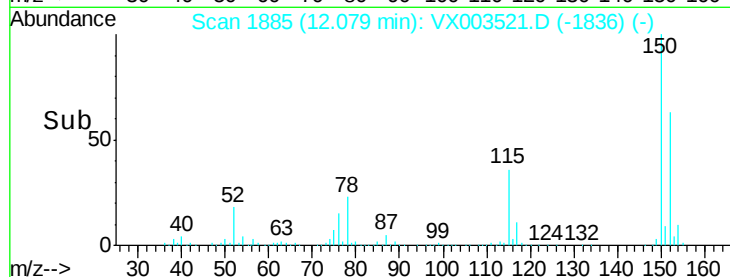
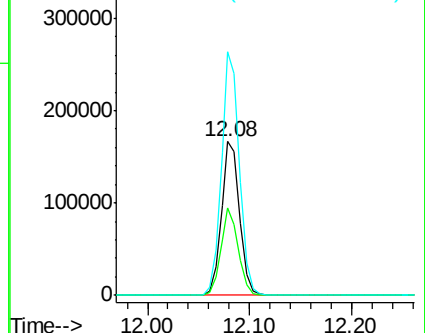
150 156.2 0.0 347.2



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: 25.28 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX003521.D

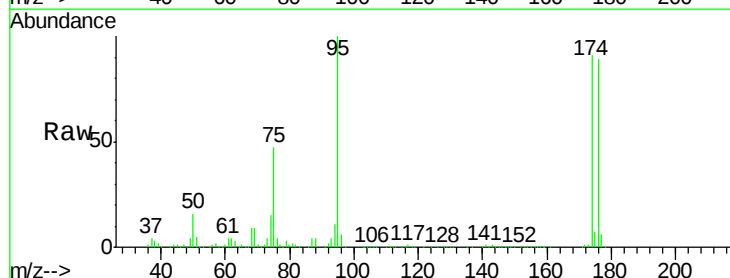
Acq: 20 Jul 2018 21:24

Tgt Ion: 75 Resp: 94171

Ion Ratio Lower Upper

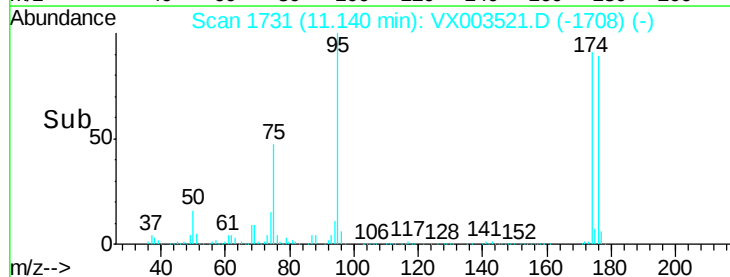
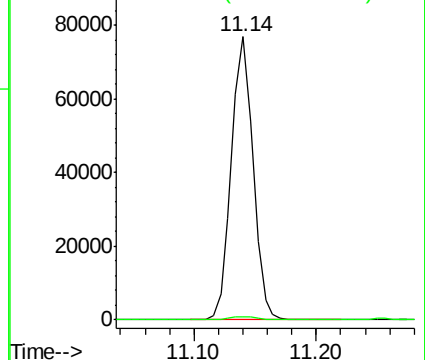
75 100

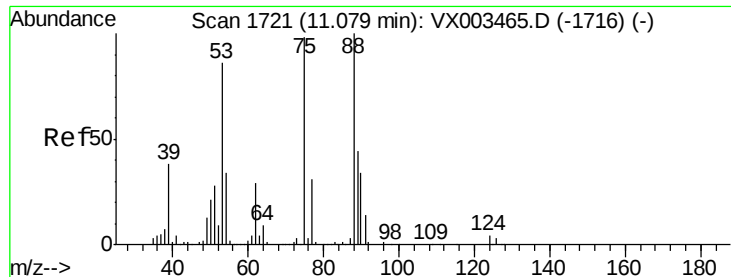
77 1.3 22.8 68.3#



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: 70.76 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX003521.D

Acq: 20 Jul 2018 21:24

Instrument :

MSVOA_X

ClientSampleId :

VX0720WBL03

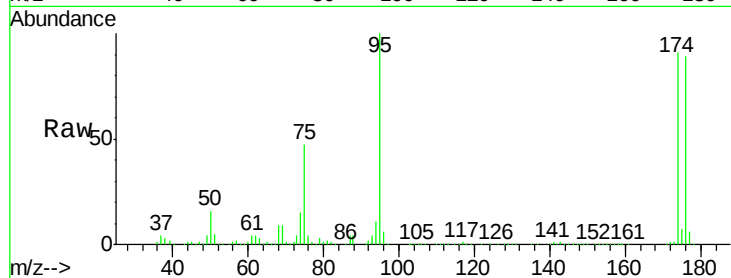
Tot Ion: 75 Resp: 94171

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

