

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070518\
 Data File : VX003190.D
 Acq On : 06 Jul 2018 00:07
 Operator : JC/MD
 Sample : VX0705WBL02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 06 03:27:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 14:38:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	284879	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	399910	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	368786	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	209135	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	180836	45.93	ug/l	0.00
Spiked Amount			Recovery	=	91.86%	
35) Dibromofluoromethane	5.51	113	152526	48.16	ug/l	0.00
Spiked Amount			Recovery	=	96.32%	
50) Toluene-d8	8.72	98	555131	48.00	ug/l	0.00
Spiked Amount			Recovery	=	96.00%	
62) 4-Bromofluorobenzene	11.14	95	194669	43.65	ug/l	0.00
Spiked Amount			Recovery	=	87.30%	

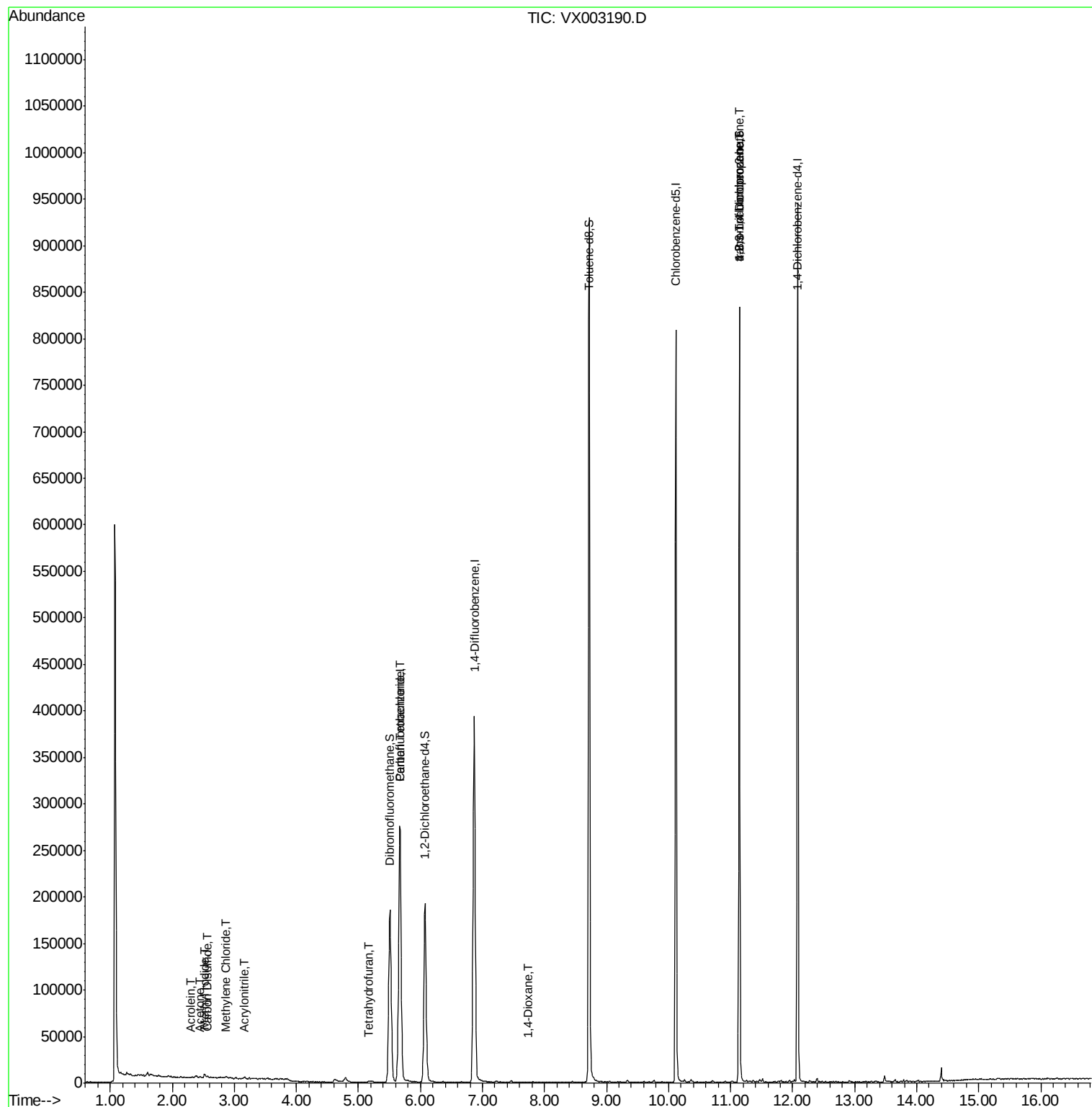
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	192	Below Cal		81
3) Chloromethane	1.33	50	784	Below Cal		94
5) Bromomethane	1.65	94	1657	Below Cal	#	74
6) Chloroethane	1.71	64	642	Below Cal	#	57
10) Methyl Iodide	2.52	142	3915	7.30	ug/l #	98
13) Acrolein	2.29	56	135	4.53	ug/l #	70
15) Acrylonitrile	3.15	53	464	0.28	ug/l #	48
16) Acetone	2.45	43	888	0.54	ug/l	96
17) Carbon Disulfide	2.57	76	2049	0.27	ug/l #	95
20) Methylene Chloride	2.85	84	724	0.23	ug/l #	94
29) Tetrahydrofuran	5.17	42	1045	0.67	ug/l #	36
38) Carbon Tetrachloride	5.67	117	25440	5.29	ug/l #	15
49) 1,4-Dioxane	7.74	88	20	0.25	ug/l #	56
76) 1,2,3-Trichloropropane	11.14	75	97763	25.81	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.14	75	97763	73.20	ug/l #	7

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

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Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Jul 06 03:27:21 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
Quant Title : SW846 8260
QLast Update : Mon Jun 25 14:38:05 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: VX003190.D

Acq: 06 Jul 2018 00:07

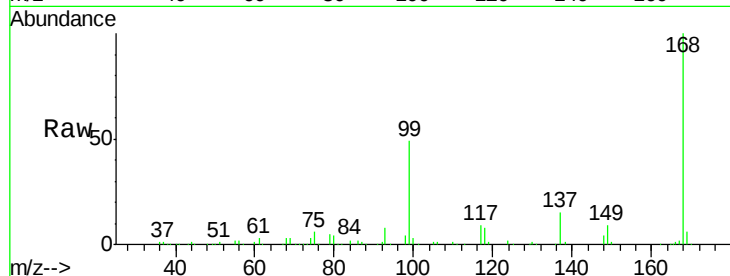
Instrument :
MSVOA_X
ClientSampled :

Tot Ion:168 Resp: 284879

Ion Ratio Lower Upper

168 100

99 48.6 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

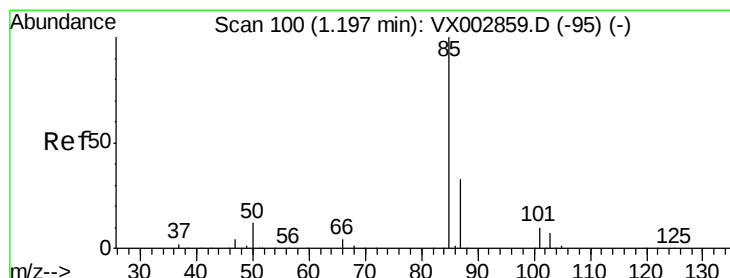
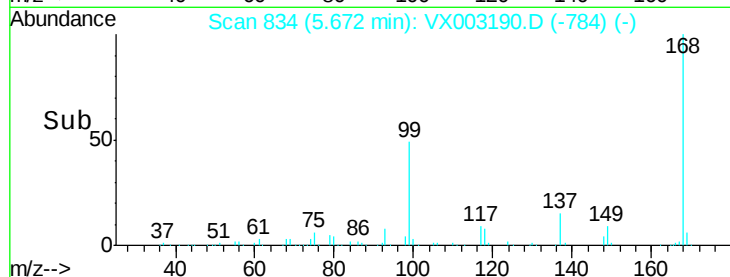
60000

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: VX003190.D

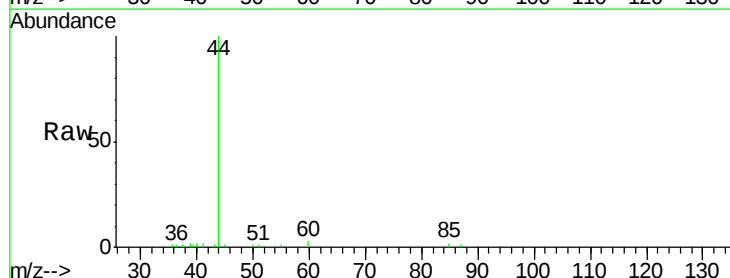
Acq: 06 Jul 2018 00:07

Tgt Ion: 85 Resp: 192

Ion Ratio Lower Upper

85 100

87 42.6 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

200

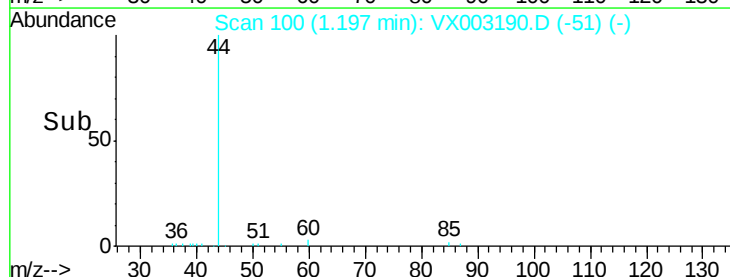
150

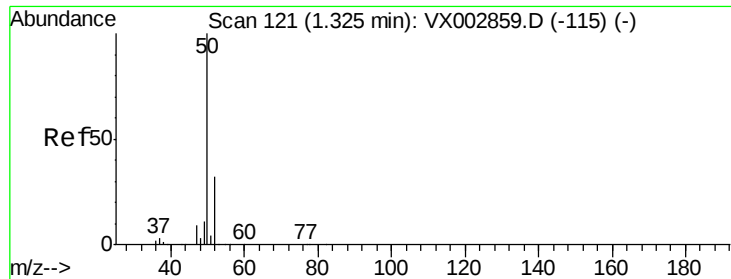
100

50

0

Time--> 1.16 1.18 1.20 1.22





#3

Chloromethane

Concen: Below Cal

RT: 1.33 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX003190.D

Acq: 06 Jul 2018 00:07

Instrument :

MSVOA_X

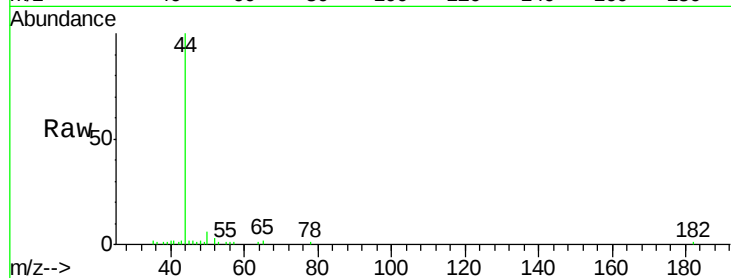
ClientSampled :

Tot Ion: 50 Resp: 784

Ion Ratio Lower Upper

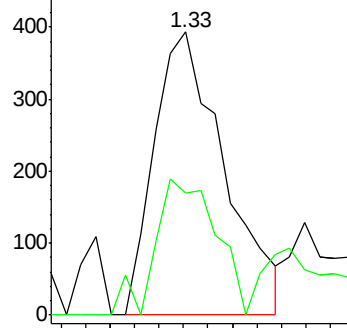
50 100

52 28.8 25.7 38.5

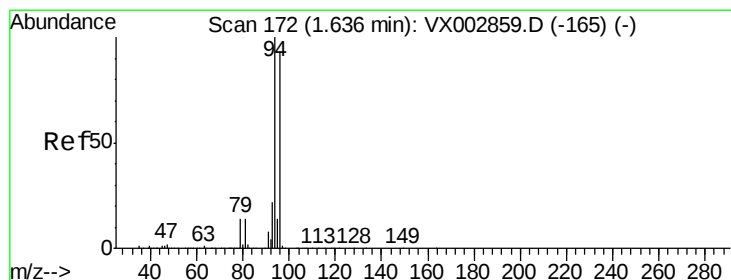
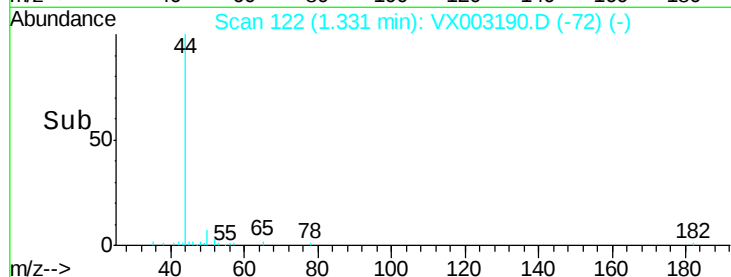


Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX003190.D

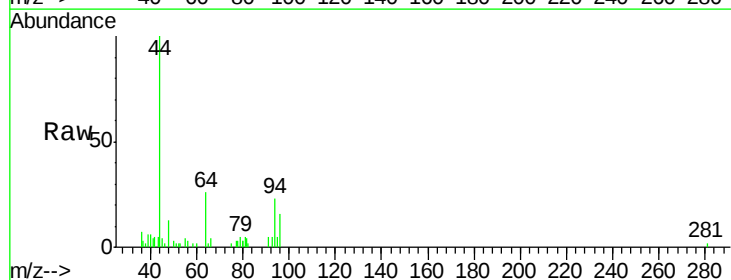
Acq: 06 Jul 2018 00:07

Tgt Ion: 94 Resp: 1657

Ion Ratio Lower Upper

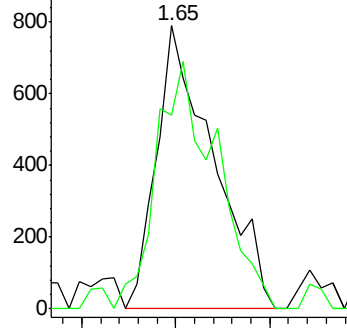
94 100

96 68.2 74.9 112.3#

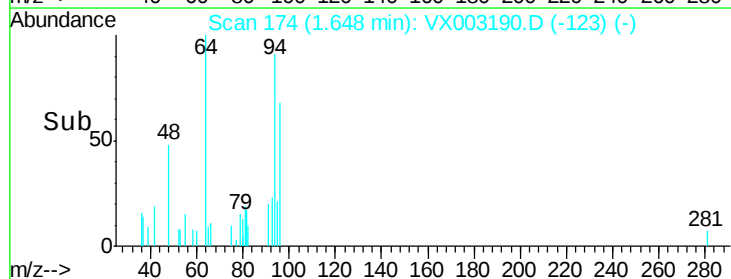


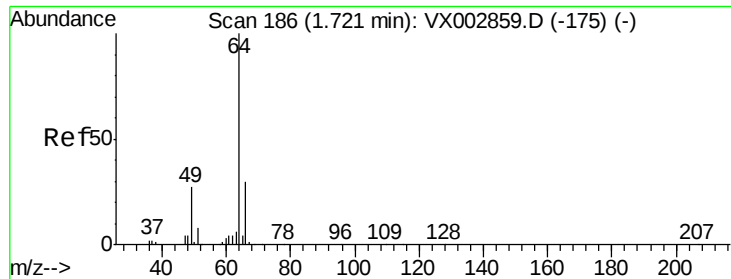
Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



Time-->





#6

Chloroethane

Concen: Below Cal

RT: 1.71 min Scan# 184

Delta R.T. -0.01 min

Lab File: VX003190.D

Acq: 06 Jul 2018 00:07

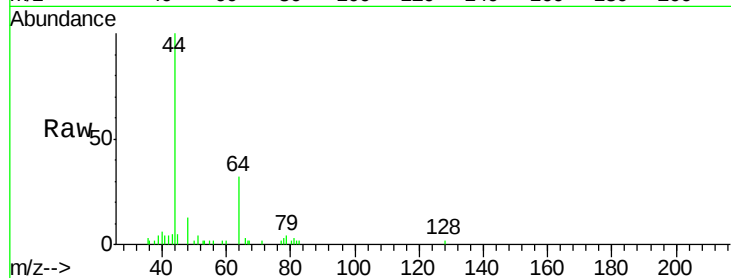
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 64 Resp: 642

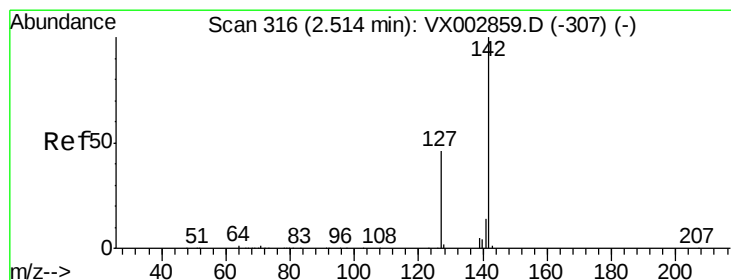
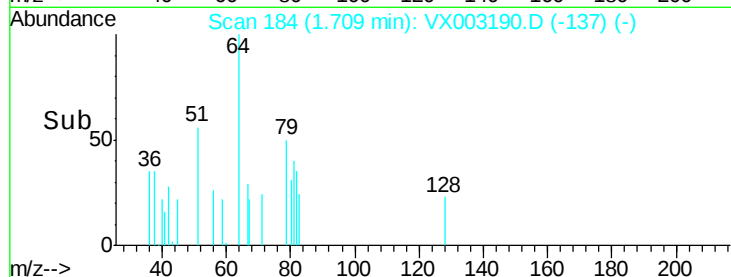
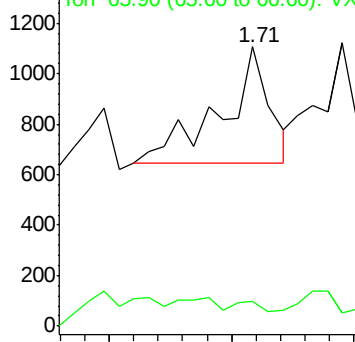
Ion Ratio Lower Upper

64 100

66 7.8 25.5 38.3#



Abundance Ion 63.90 (63.60 to 64.60): VX0
Ion 65.90 (65.60 to 66.60): VX0



#10

Methyl Iodide

Concen: 7.30 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX003190.D

Acq: 06 Jul 2018 00:07

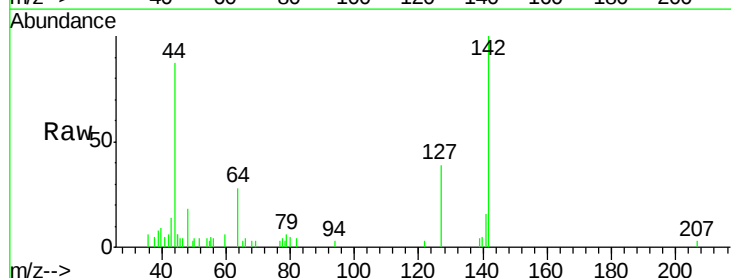
Tgt Ion:142 Resp: 3915

Ion Ratio Lower Upper

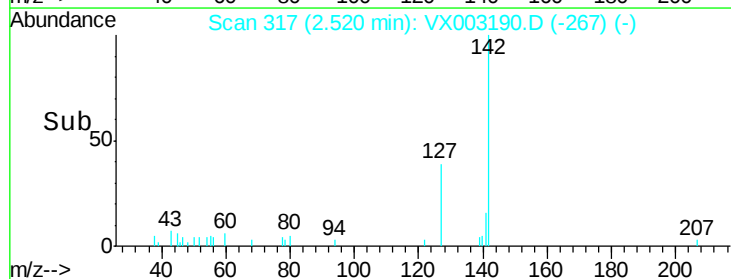
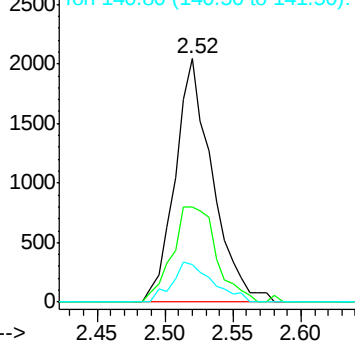
142 100

127 46.1 36.6 55.0

141 17.7 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





#13

Acrolein

Concen: 4.53 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX003190.D

Acq: 06 Jul 2018 00:07

Instrument :

MSVOA_X

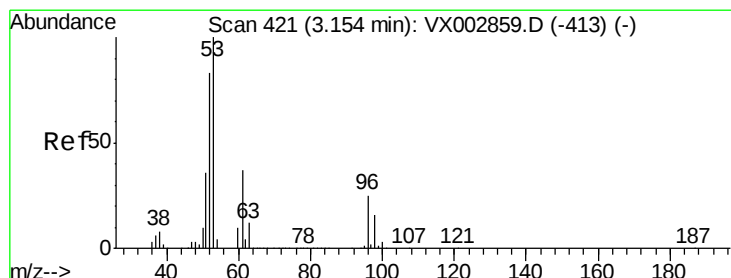
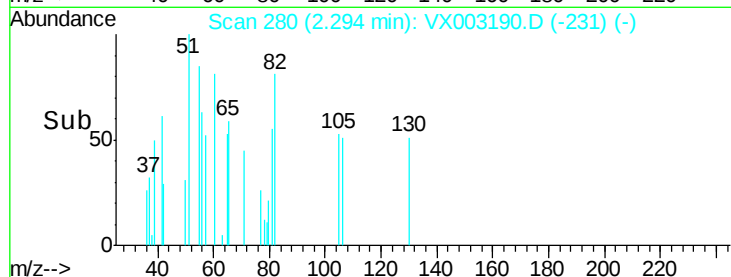
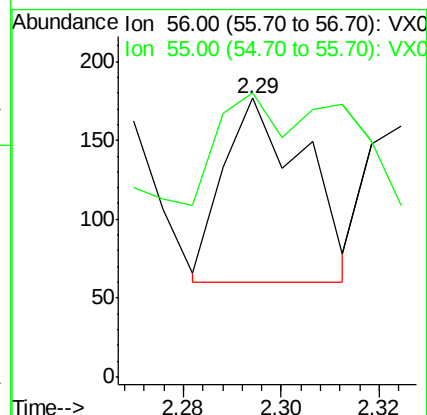
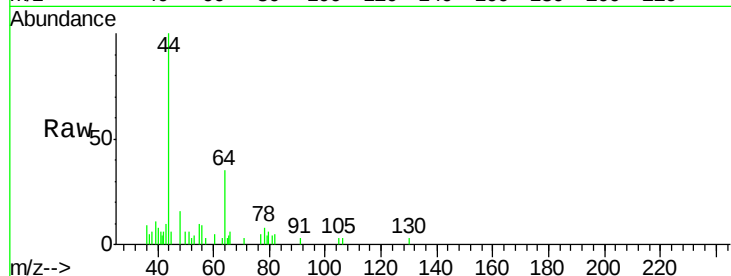
ClientSampled :

Tot Ion: 56 Resp: 135

Ion Ratio Lower Upper

56 100

55 46.7 57.0 85.4#



#15

Acrylonitrile

Concen: 0.28 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX003190.D

Acq: 06 Jul 2018 00:07

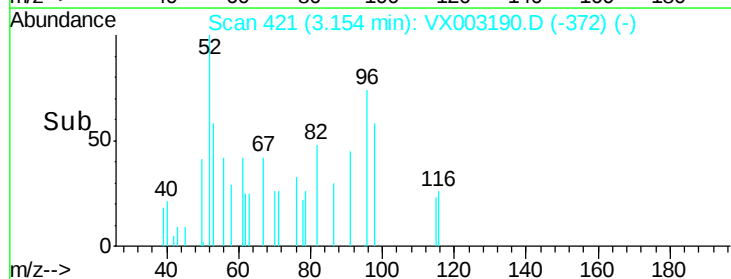
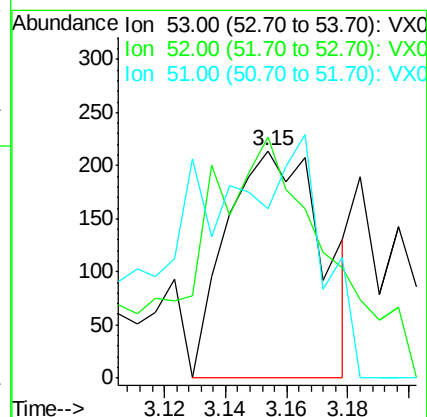
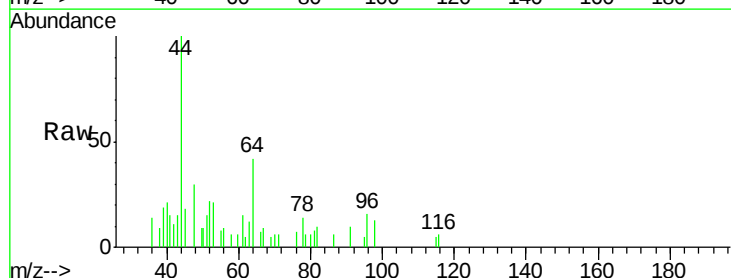
Tgt Ion: 53 Resp: 464

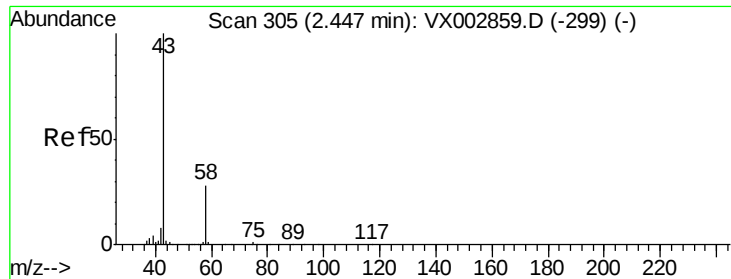
Ion Ratio Lower Upper

53 100

52 126.5 66.7 100.1#

51 0.0 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: VX003190.D

Acq: 06 Jul 2018 00:07

Instrument :

MSVOA_X

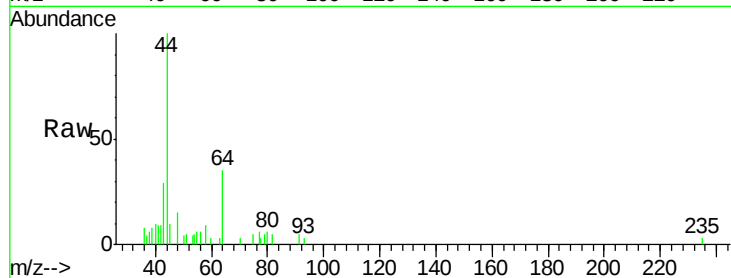
ClientSampled :

Tot Ion: 43 Resp: 888

Ion Ratio Lower Upper

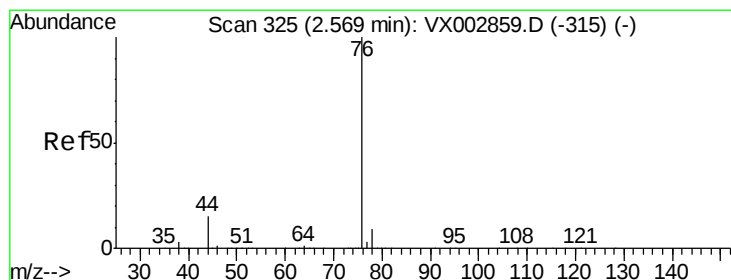
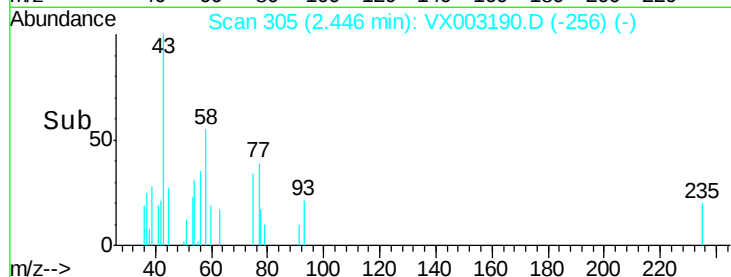
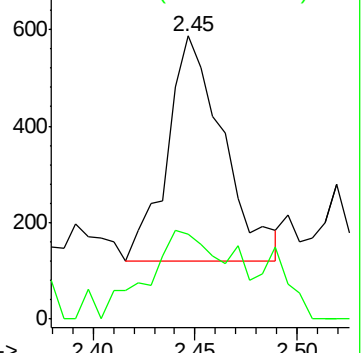
43 100

58 25.3 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 0.27 ug/l

RT: 2.57 min Scan# 325

Delta R.T. -0.00 min

Lab File: VX003190.D

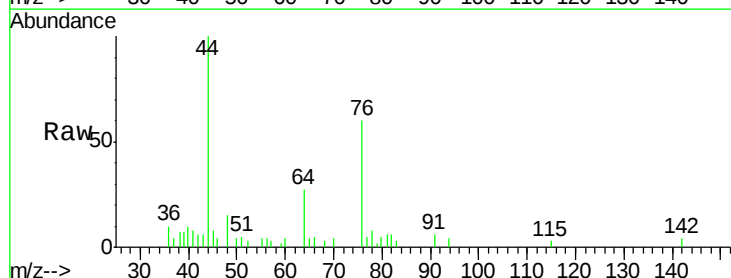
Acq: 06 Jul 2018 00:07

Tgt Ion: 76 Resp: 2049

Ion Ratio Lower Upper

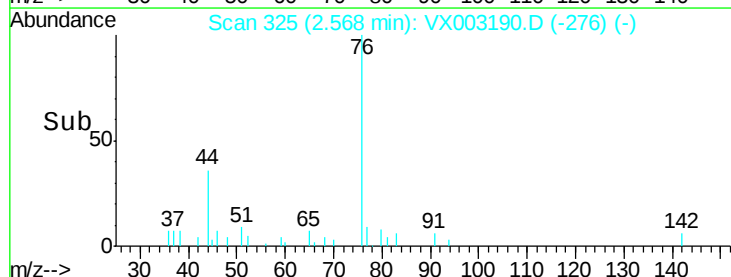
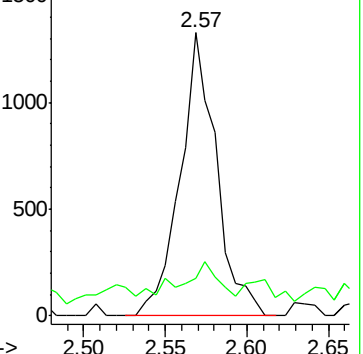
76 100

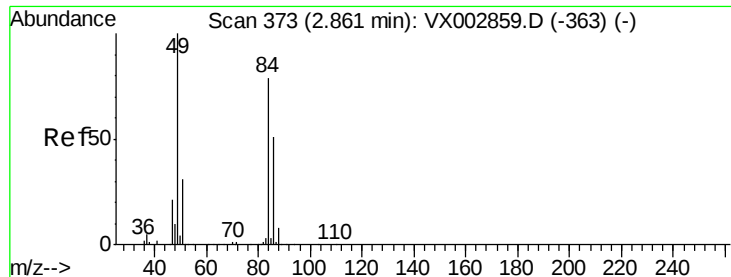
78 6.8 6.9 10.3#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0





#20

Methylene Chloride

Concen: 0.23 ug/l

RT: 2.85 min Scan# 372

Delta R.T. -0.01 min

Lab File: VX003190.D

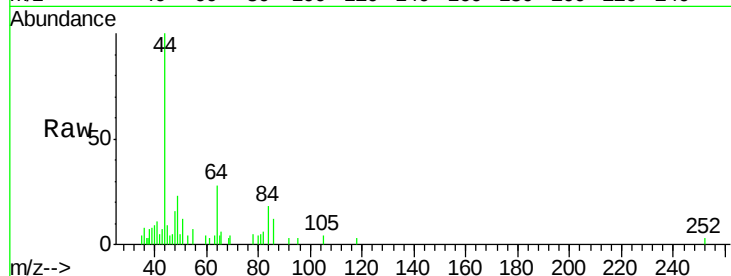
Acq: 06 Jul 2018 00:07

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion:	84	Resp:	724
Ion	Ratio	Lower	Upper
84	100		
49	127.0	107.8	161.6
51	31.2	32.8	49.2#
86	65.1	52.5	78.7

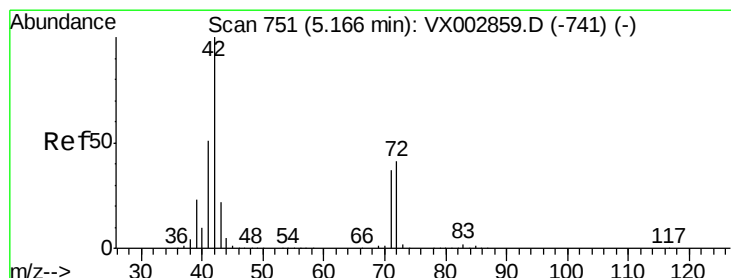
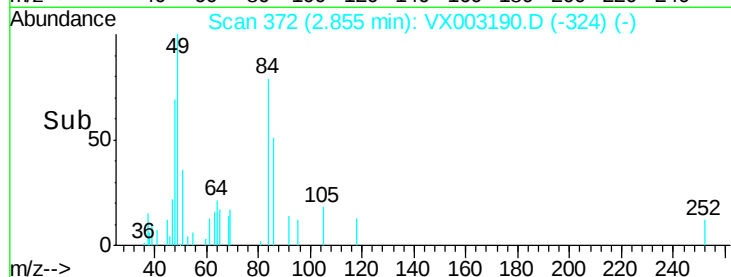
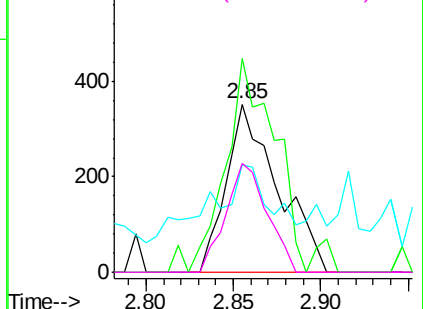


Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



#29

Tetrahydrofuran

Concen: 0.67 ug/l

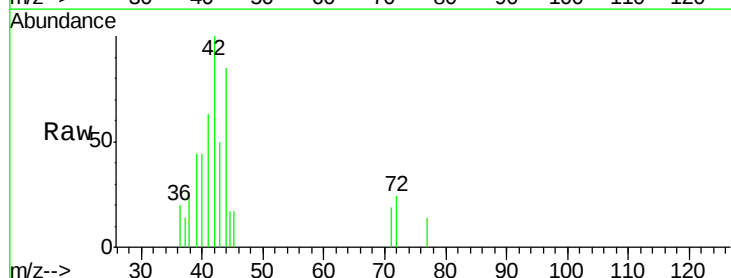
RT: 5.17 min Scan# 751

Delta R.T. -0.00 min

Lab File: VX003190.D

Acq: 06 Jul 2018 00:07

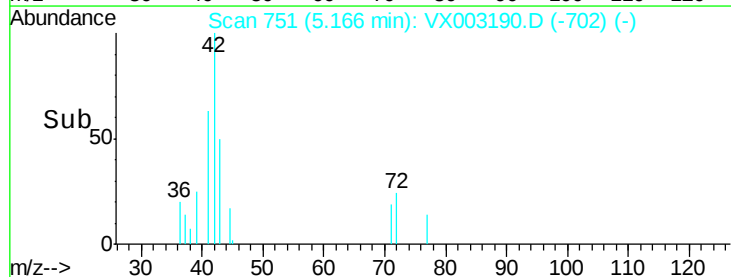
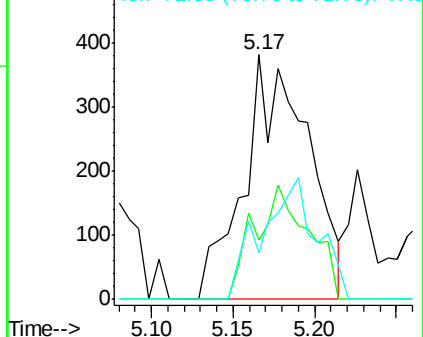
Tgt Ion:	42	Resp:	1045
Ion	Ratio	Lower	Upper
42	100		
72	0.0	32.0	48.0#
71	0.0	30.1	45.1#

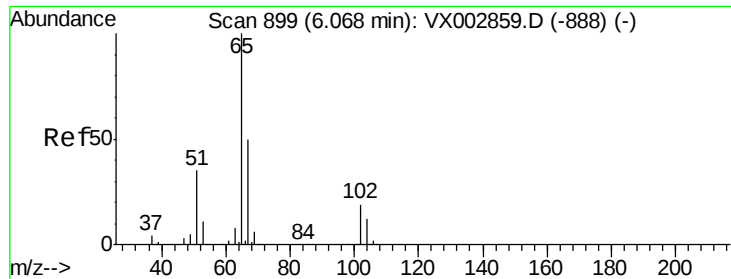


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 45.93 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.01 min

Lab File: VX003190.D

Acq: 06 Jul 2018 00:07

Instrument :

MSVOA_X

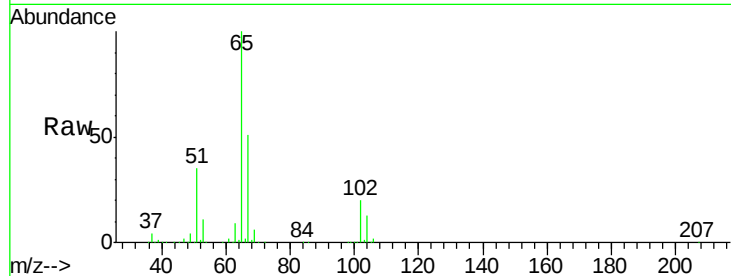
ClientSampleId :

Tot Ion: 65 Resp: 180836

Ion Ratio Lower Upper

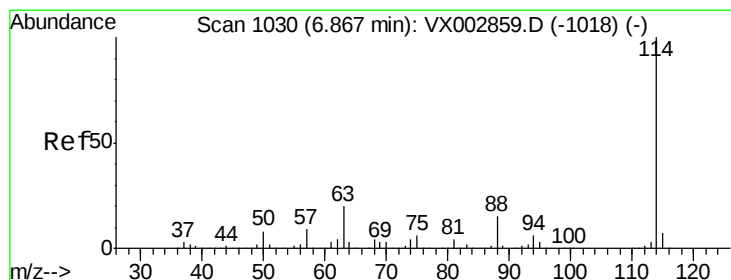
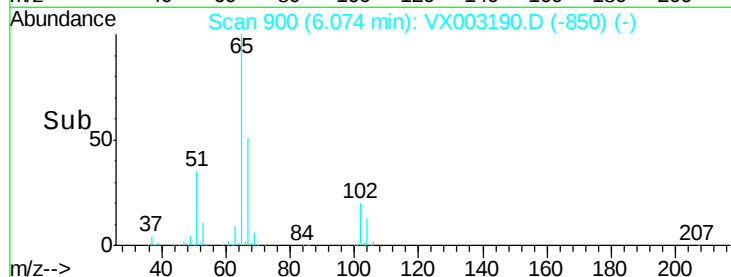
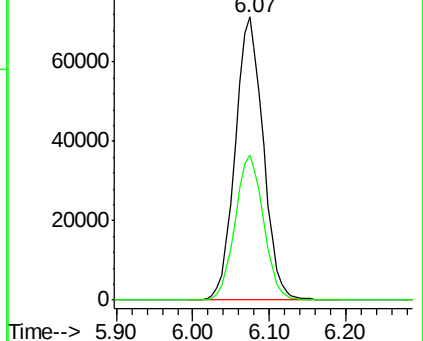
65 100

67 51.8 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: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX003190.D

Acq: 06 Jul 2018 00:07

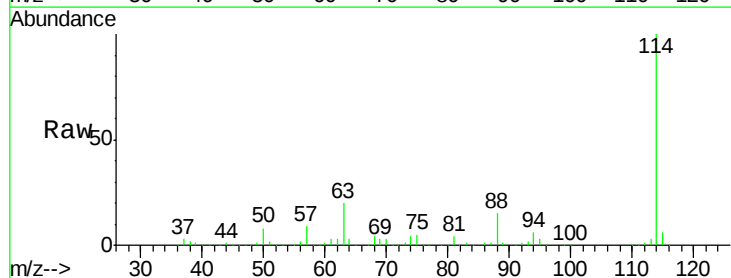
Tgt Ion: 114 Resp: 399910

Ion Ratio Lower Upper

114 100

63 19.5 0.0 41.4

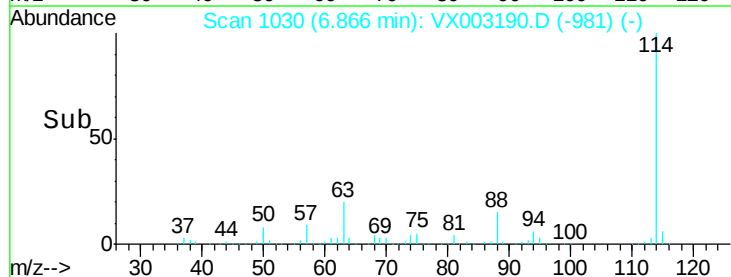
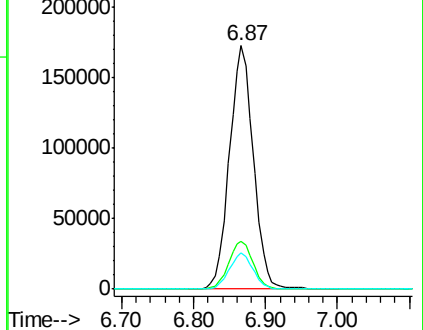
88 14.6 0.0 30.0

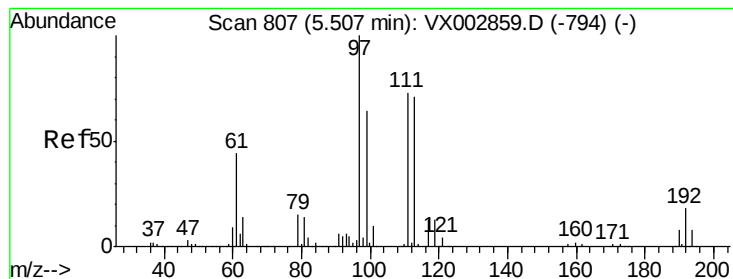


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 48.16 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.00 min

Lab File: VX003190.D

Acq: 06 Jul 2018 00:07

Instrument :

MSVOA_X

ClientSampleId :

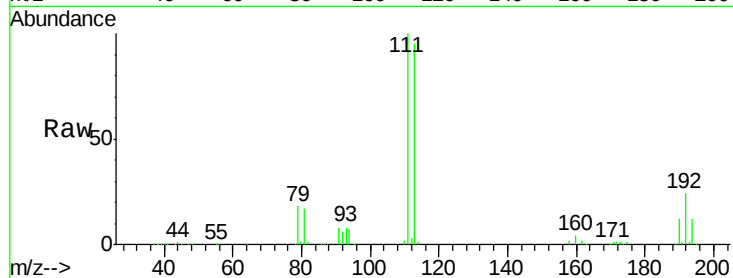
Tot Ion:113 Resp: 152526

Ion Ratio Lower Upper

113 100

111 102.5 81.4 122.0

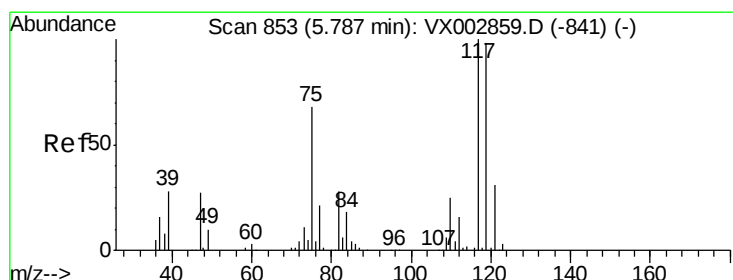
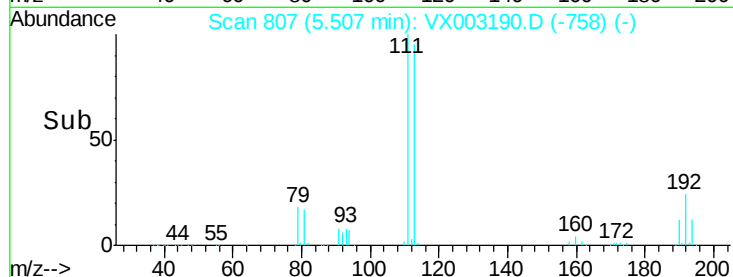
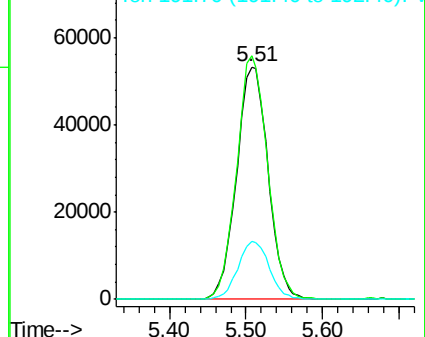
192 24.6 19.1 28.7



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



#38

Carbon Tetrachloride

Concen: 5.29 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.12 min

Lab File: VX003190.D

Acq: 06 Jul 2018 00:07

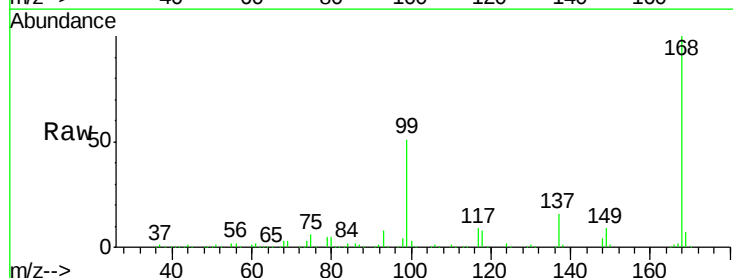
Tgt Ion:117 Resp: 25440

Ion Ratio Lower Upper

117 100

119 4.1 77.4 116.0#

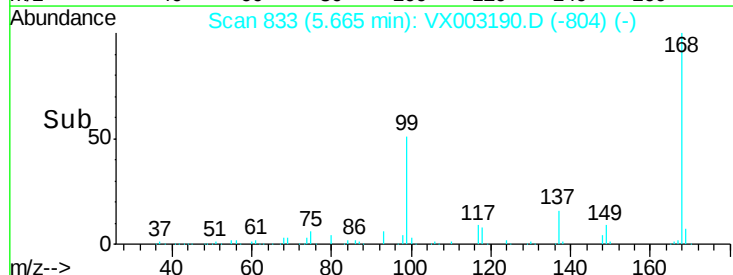
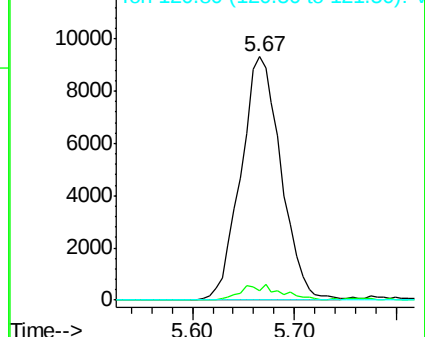
121 0.0 24.4 36.6#

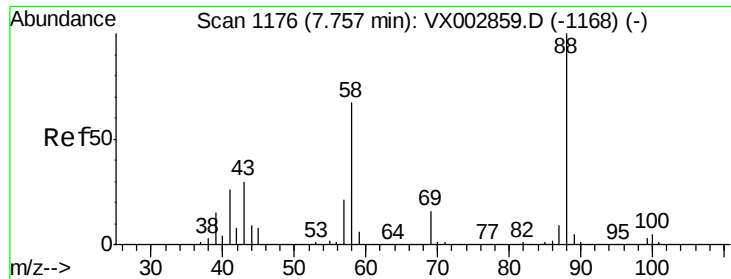


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

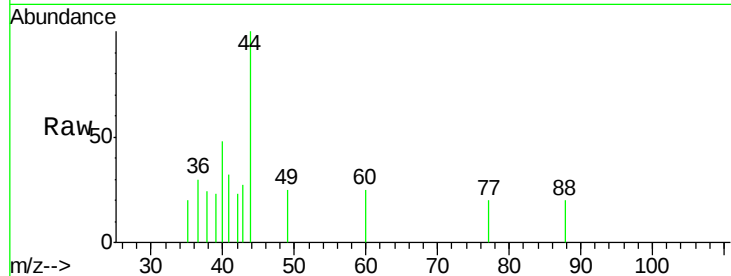




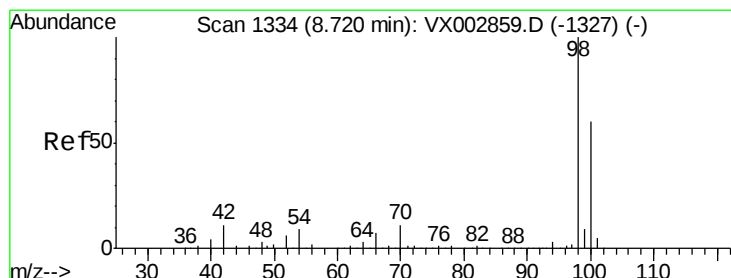
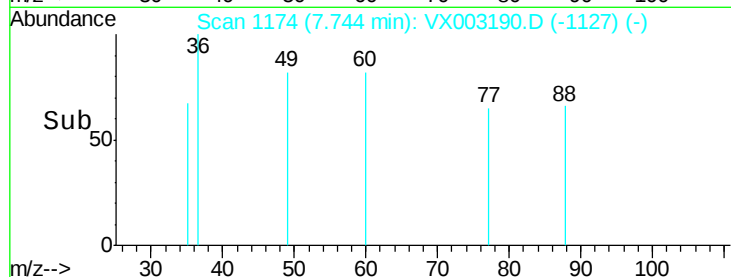
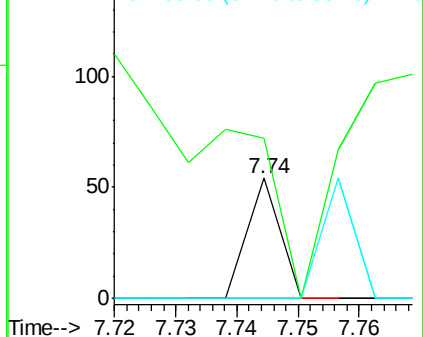
#49
1,4-Dioxane
Concen: 0.25 ug/l
RT: 7.74 min Scan# 1174
Delta R.T. -0.01 min
Lab File: VX003190.D
Acq: 06 Jul 2018 00:07

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 88 Resp: 20
Ion Ratio Lower Upper
88 100
43 0.0 29.8 44.6#
58 100.0 57.1 85.7#

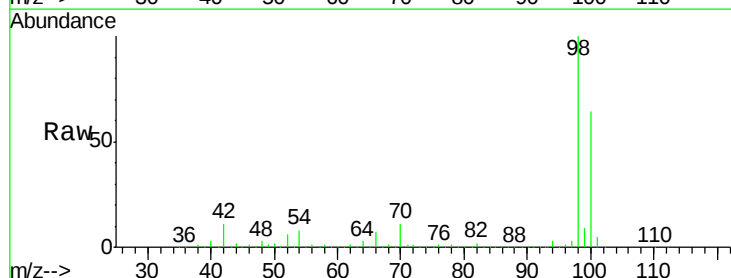


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

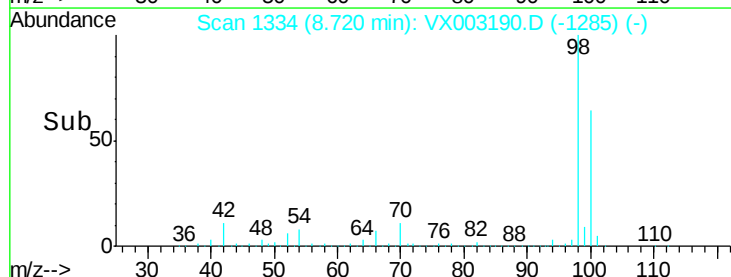
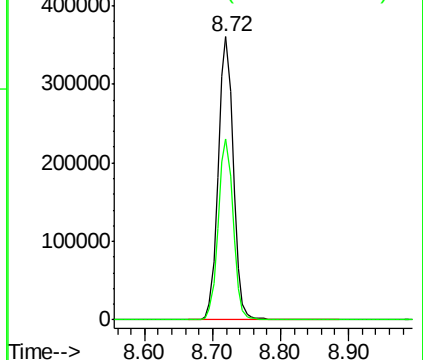


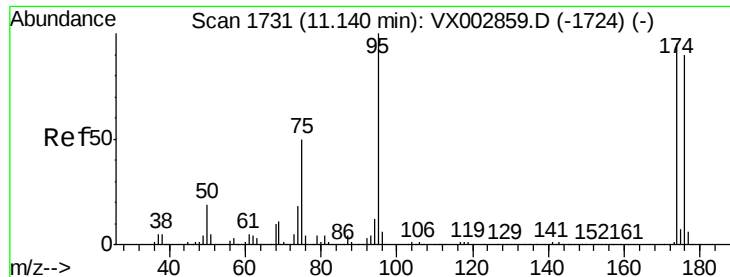
#50
Toluene-d8
Concen: 48.00 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003190.D
Acq: 06 Jul 2018 00:07

Tgt Ion: 98 Resp: 555131
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): VX0

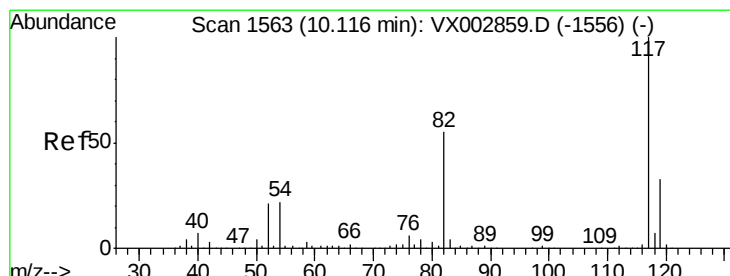
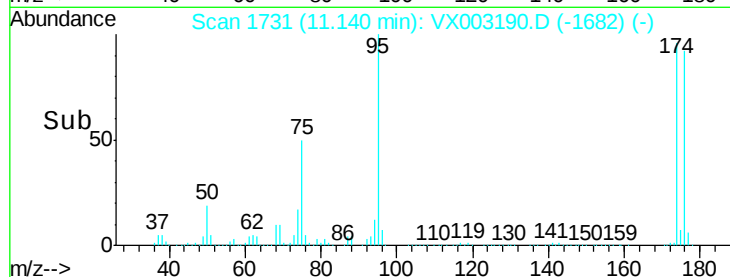
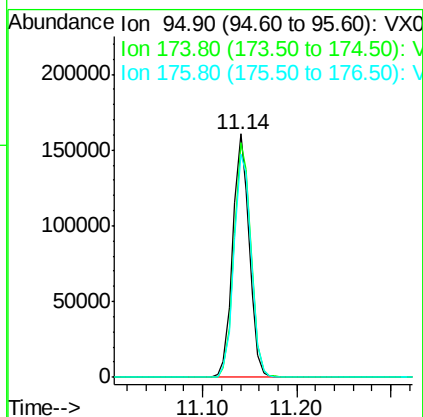
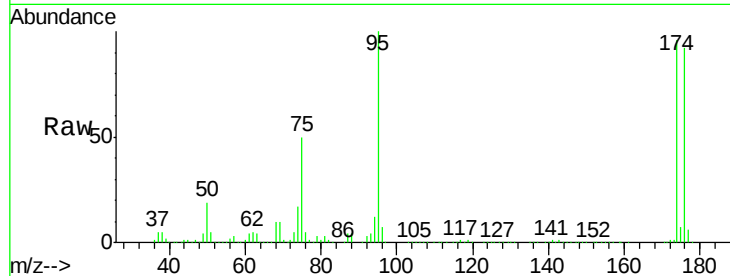




#62
4-Bromofluorobenzene
Concen: 43.65 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX003190.D
Acq: 06 Jul 2018 00:07

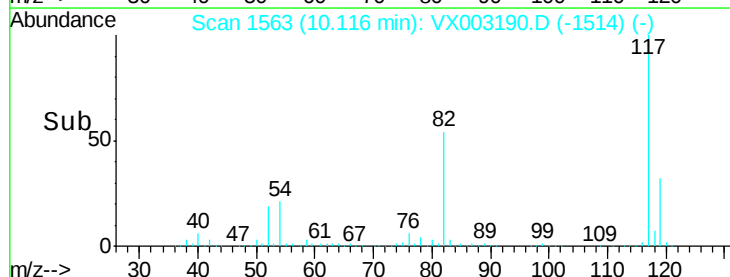
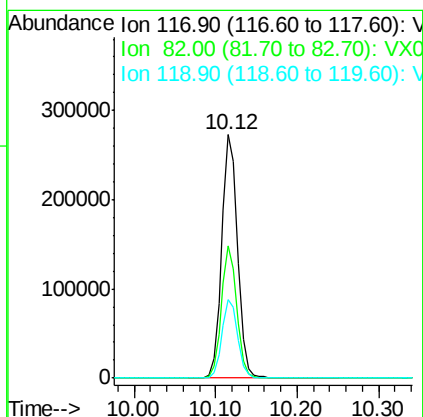
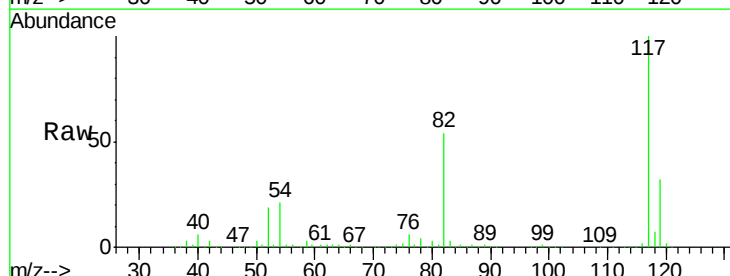
Instrument :
MSVOA_X
ClientSampleId :

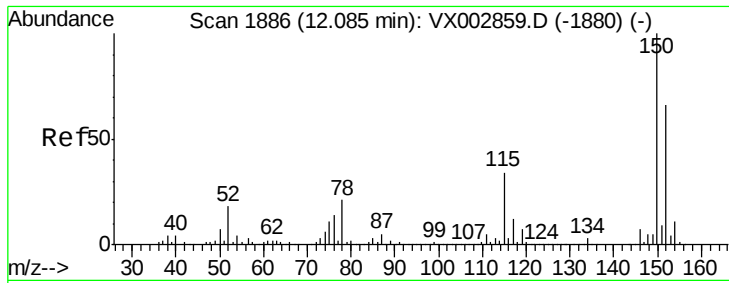
Tot Ion: 95 Resp: 194669
Ion Ratio Lower Upper
95 100
174 99.2 0.0 187.4
176 95.6 0.0 181.0



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX003190.D
Acq: 06 Jul 2018 00:07

Tgt Ion: 117 Resp: 368786
Ion Ratio Lower Upper
117 100
82 54.2 45.0 67.4
119 32.4 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX003190.D

Acq: 06 Jul 2018 00:07

Instrument :

MSVOA_X

ClientSampleId :

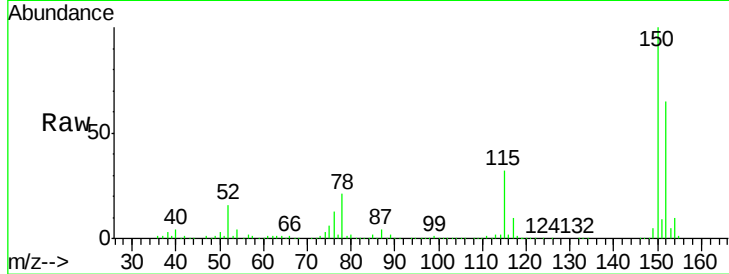
Tot Ion:152 Resp: 209135

Ion Ratio Lower Upper

152 100

115 53.5 40.1 120.2

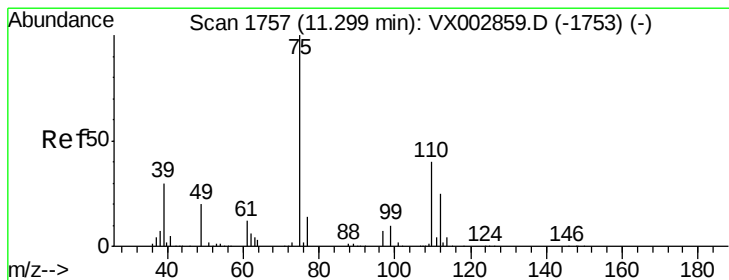
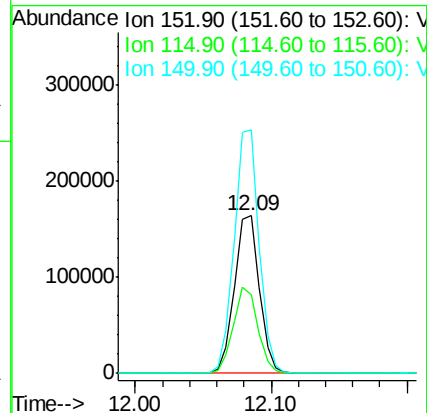
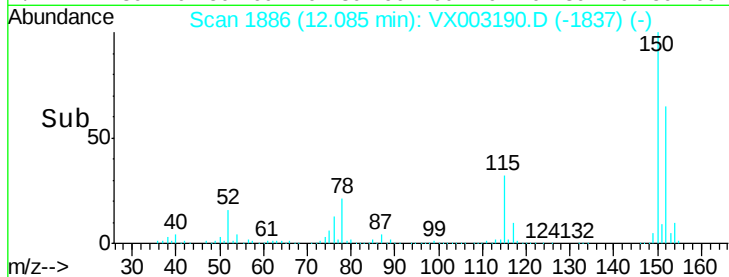
150 153.8 0.0 347.2



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: 25.81 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX003190.D

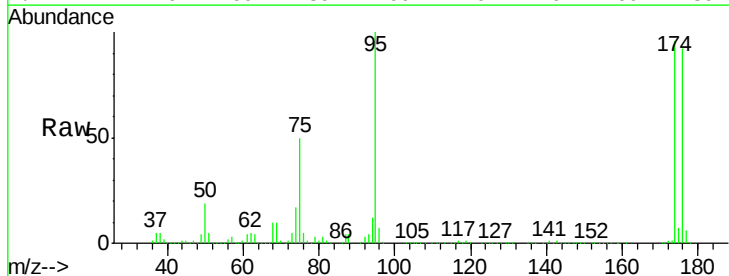
Acq: 06 Jul 2018 00:07

Tgt Ion: 75 Resp: 97763

Ion Ratio Lower Upper

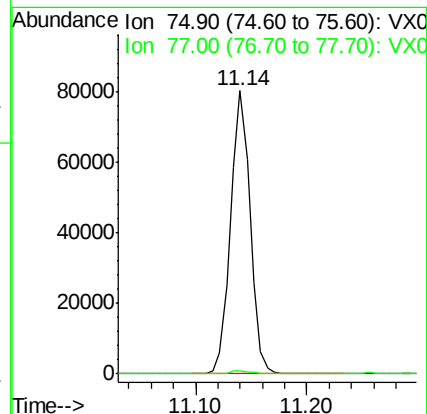
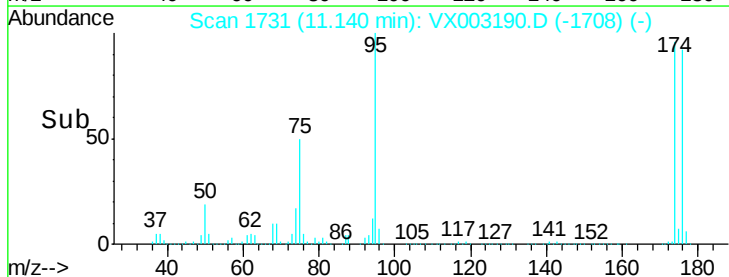
75 100

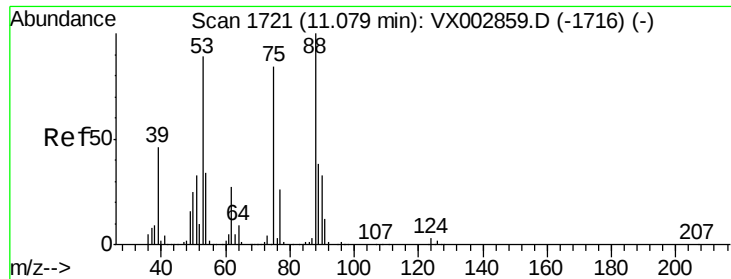
77 1.4 22.8 68.3#



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: 73.20 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

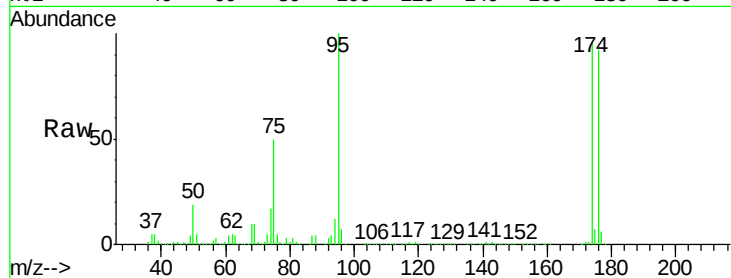
Lab File: VX003190.D

Acq: 06 Jul 2018 00:07

Instrument :

MSVOA_X

ClientSampleId :



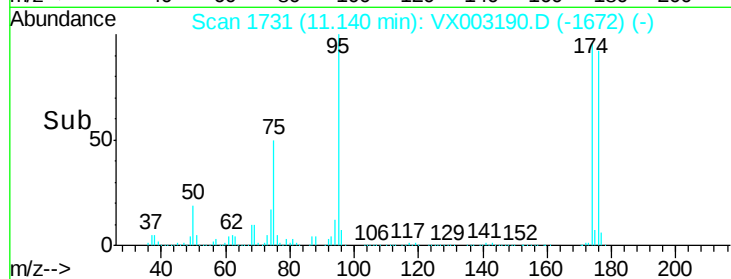
Tot Ion: 75 Resp: 97763

Ion Ratio Lower Upper

75 100

53 0.3 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

