

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070518\
 Data File : VX003198.D
 Acq On : 06 Jul 2018 03:41
 Operator : JC/MD
 Sample : J3844-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 06 04:22:19 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	302548	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	423392	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	391452	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	220508	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	191573	45.81	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.62%	
35) Dibromofluoromethane	5.51	113	161960	48.30	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.60%	
50) Toluene-d8	8.72	98	592770	48.41	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.82%	
62) 4-Bromofluorobenzene	11.14	95	209373	44.34	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.68%	

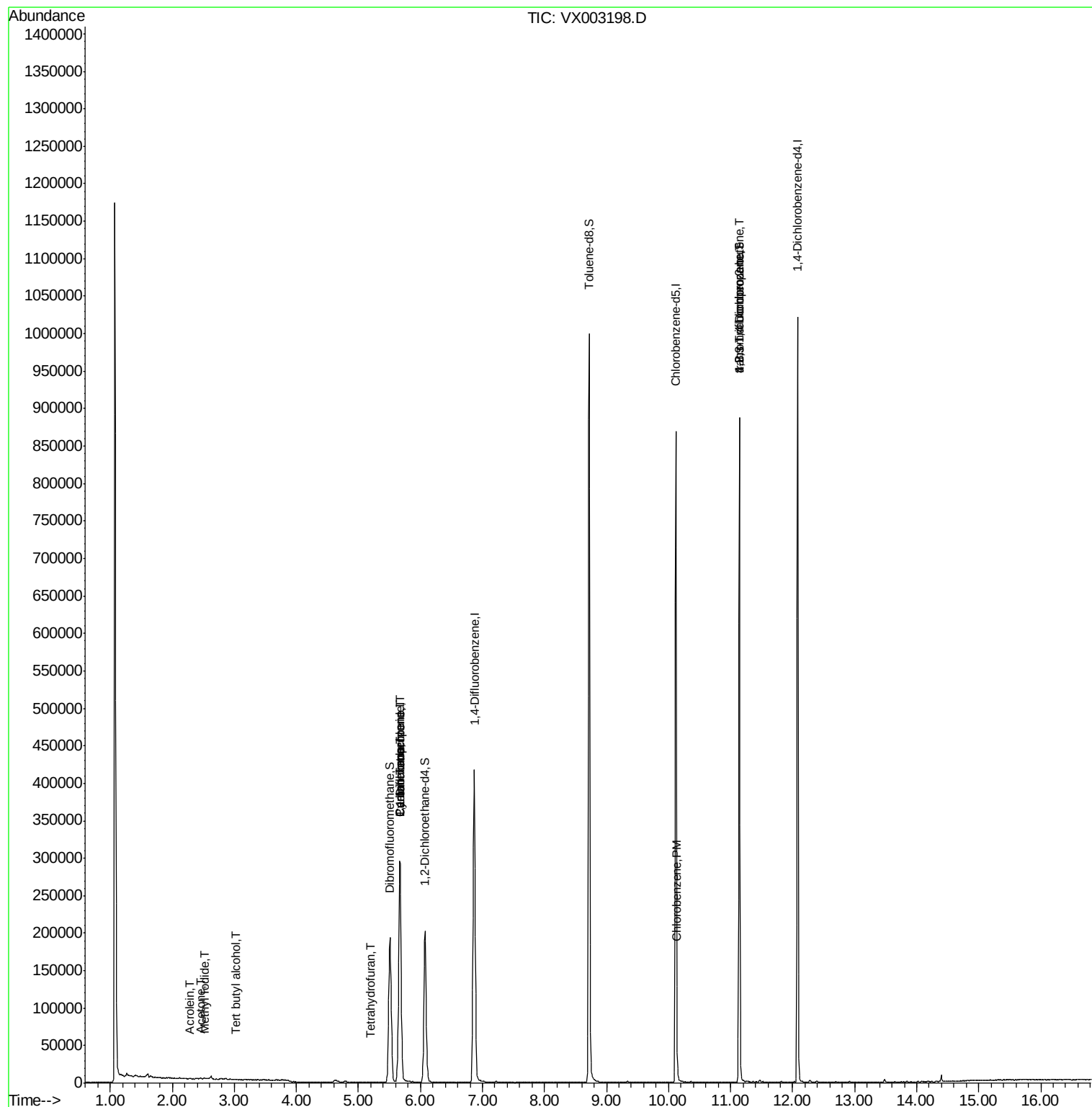
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	185	Below Cal	#	43
3) Chloromethane	1.32	50	576	Below Cal		91
5) Bromomethane	1.64	94	1686	Below Cal	#	69
6) Chloroethane	1.72	64	198	Below Cal	#	43
10) Methyl Iodide	2.53	142	1787	6.69	ug/l	100
11) Tert butyl alcohol	3.02	59	196	0.24	ug/l	# 1
13) Acrolein	2.29	56	180	4.61	ug/l	# 50
16) Acetone	2.45	43	904	0.52	ug/l	# 46
29) Tetrahydrofuran	5.18	42	423	0.26	ug/l	# 46
31) Cyclohexane	5.67	56	5875	1.12	ug/l	# 1
36) 1,1-Dichloropropene	5.67	75	19109	4.12	ug/l	# 51
38) Carbon Tetrachloride	5.67	117	26776	5.26	ug/l	# 16
65) Chlorobenzene	10.14	112	3388	0.34	ug/l	# 87
76) 1,2,3-Trichloropropane	11.14	75	104033	26.05	ug/l	# 33
81) trans-1,4-Dichloro-2-buten	11.14	75	104033	73.85	ug/l	# 7

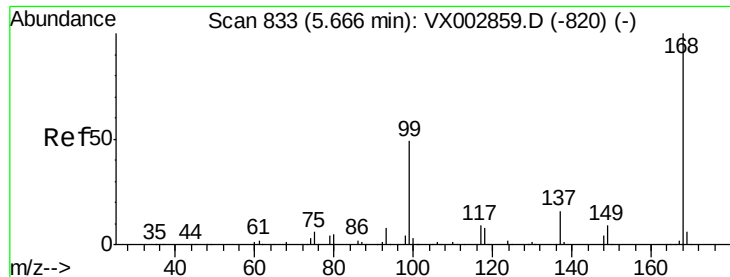
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 833

Delta R.T. -0.00 min

Lab File: VX003198.D

Acq: 06 Jul 2018 03:41

Instrument :

MSVOA_X

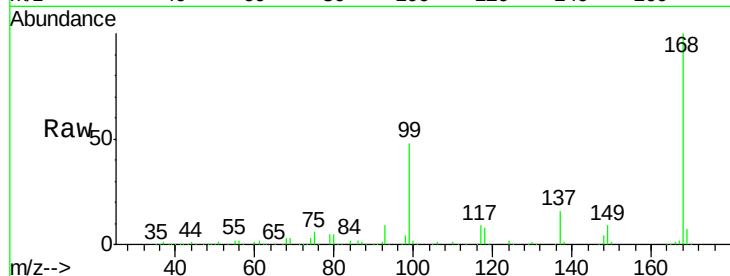
ClientSampleId :

Tot Ion:168 Resp: 302548

Ion Ratio Lower Upper

168 100

99 48.3 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

120000

100000

80000

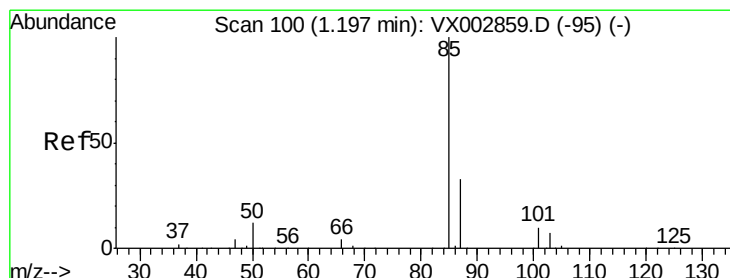
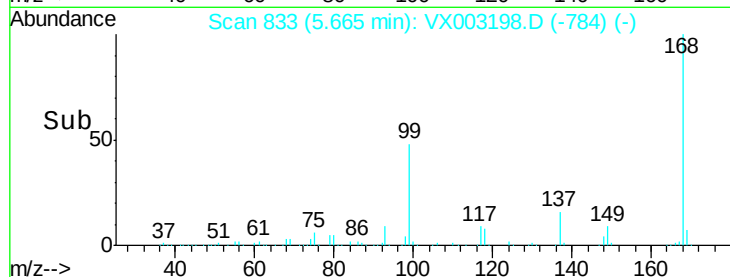
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003198.D

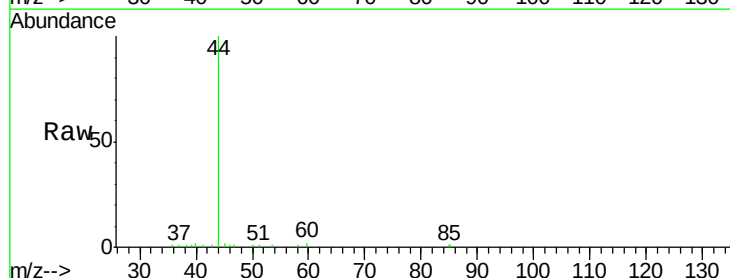
Acq: 06 Jul 2018 03:41

Tgt Ion: 85 Resp: 185

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

250

200

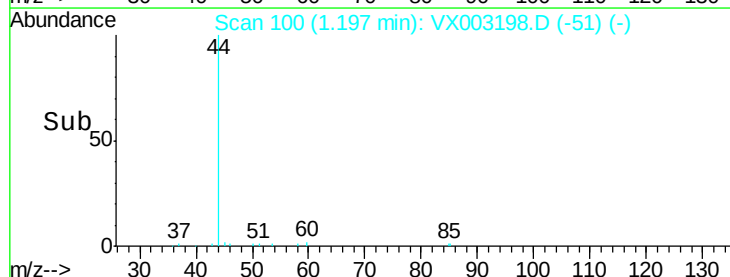
150

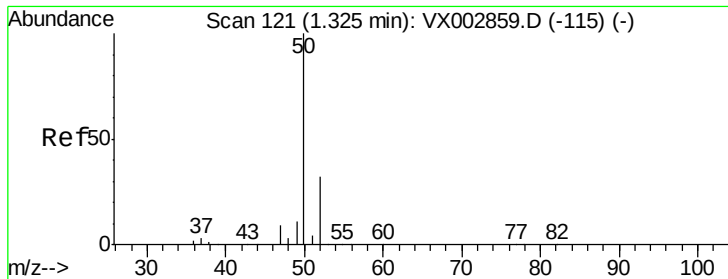
100

50

0

Time-->





#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003198.D

Acq: 06 Jul 2018 03:41

Instrument :

MSVOA_X

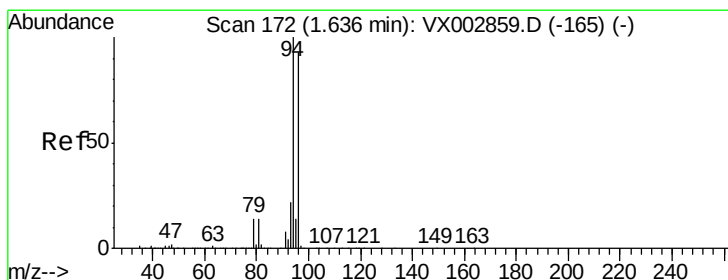
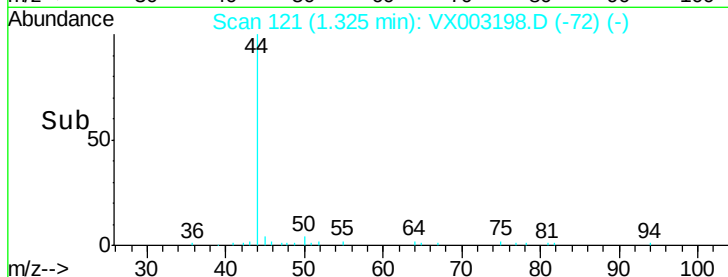
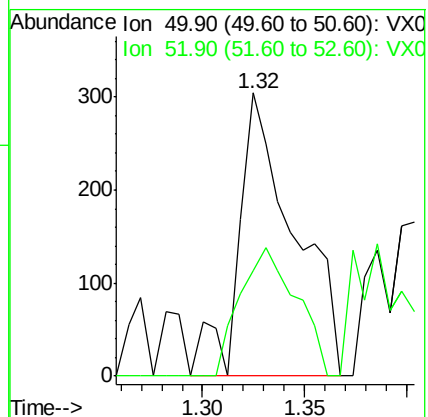
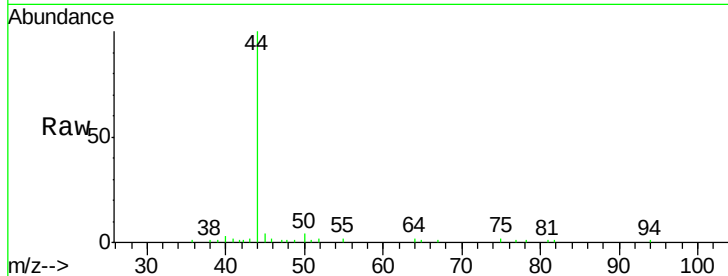
ClientSampled :

Tot Ion: 50 Resp: 576

Ion Ratio Lower Upper

50 100

52 37.2 25.7 38.5



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 173

Delta R.T. 0.01 min

Lab File: VX003198.D

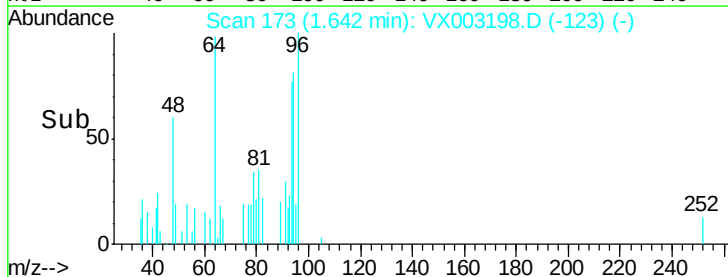
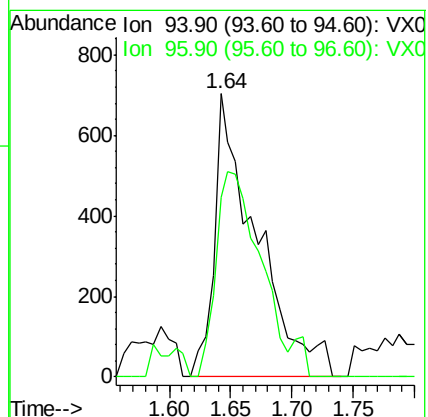
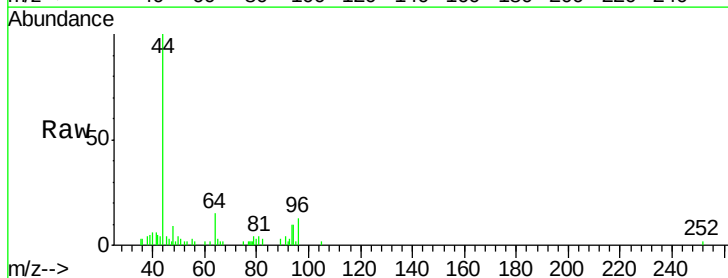
Acq: 06 Jul 2018 03:41

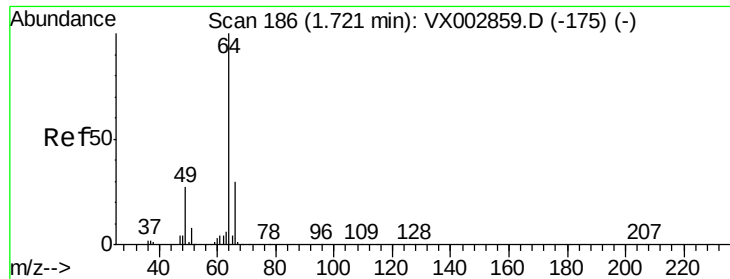
Tgt Ion: 94 Resp: 1686

Ion Ratio Lower Upper

94 100

96 63.6 74.9 112.3#





#6

Chloroethane

Concen: Below Cal

RT: 1.72 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX003198.D

Acq: 06 Jul 2018 03:41

Instrument :

MSVOA_X

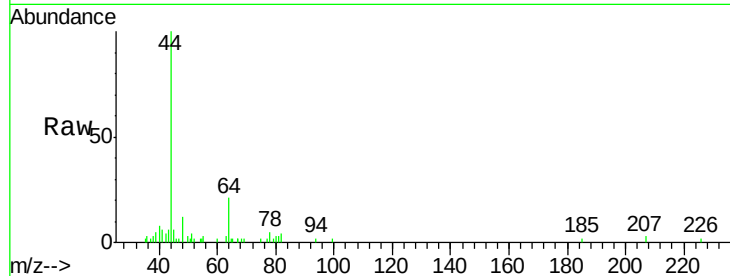
ClientSampleId :

Tot Ion: 64 Resp: 198

Ion Ratio Lower Upper

64 100

66 0.0 25.5 38.3#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.72

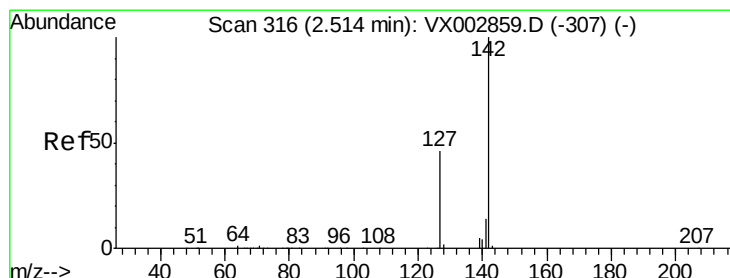
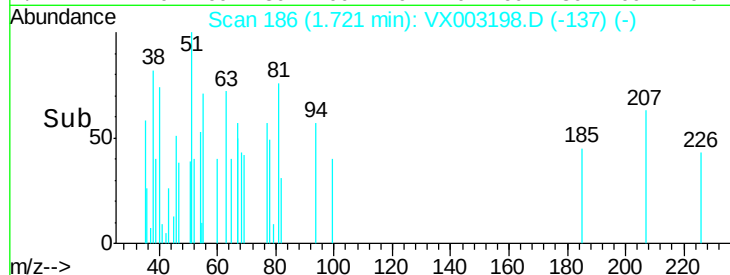
600

400

200

0

Time-->



#10

Methyl Iodide

Concen: 6.69 ug/l

RT: 2.53 min Scan# 318

Delta R.T. 0.01 min

Lab File: VX003198.D

Acq: 06 Jul 2018 03:41

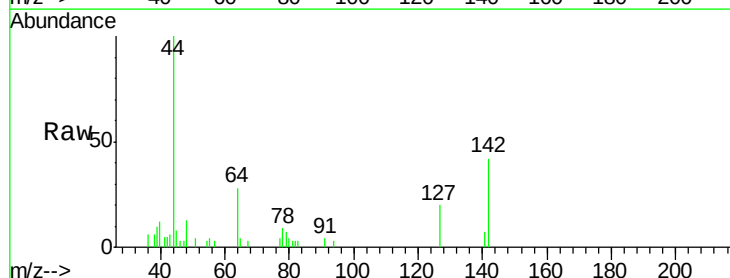
Tgt Ion:142 Resp: 1787

Ion Ratio Lower Upper

142 100

127 45.8 36.6 55.0

141 14.8 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

1000

800

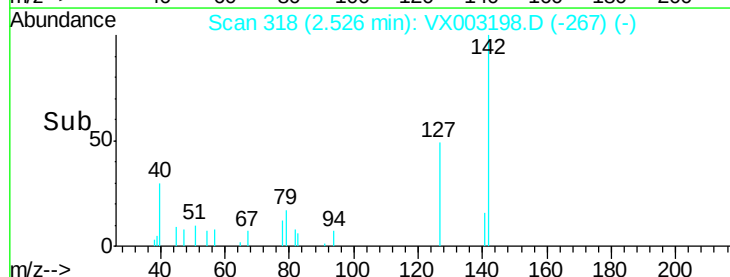
600

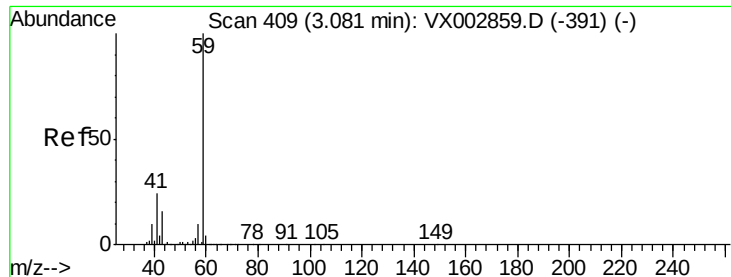
400

200

0

Time-->

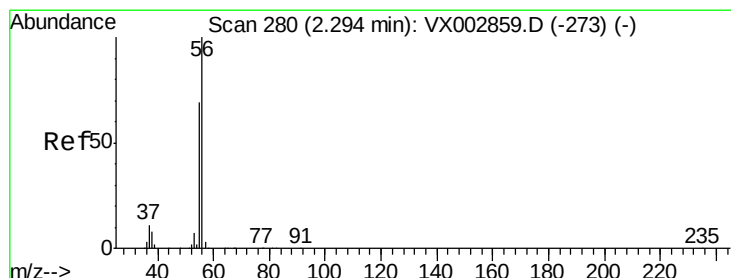
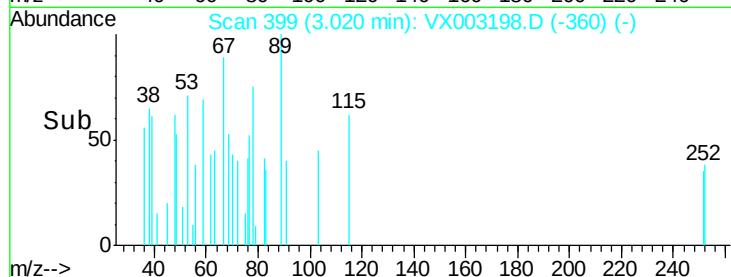
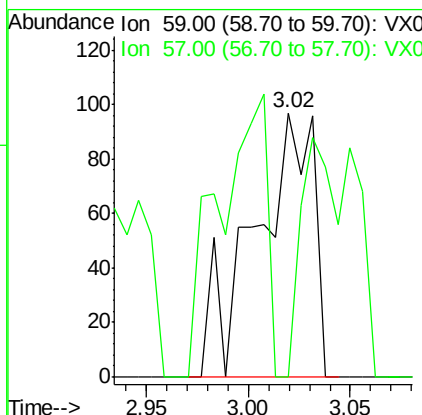
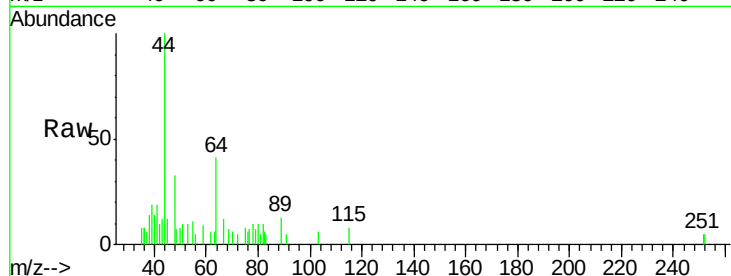




#11
Tert butyl alcohol
Concen: 0.24 ug/l
RT: 3.02 min Scan# 399
Delta R.T. -0.06 min
Lab File: VX003198.D
Acq: 06 Jul 2018 03:41

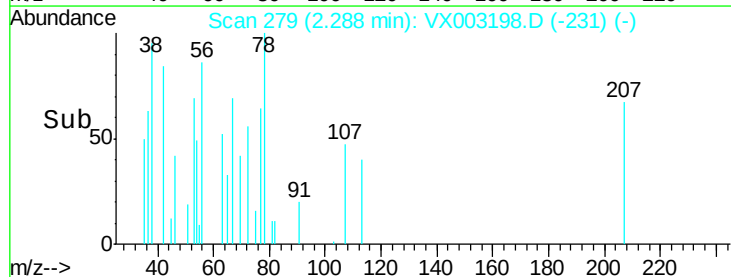
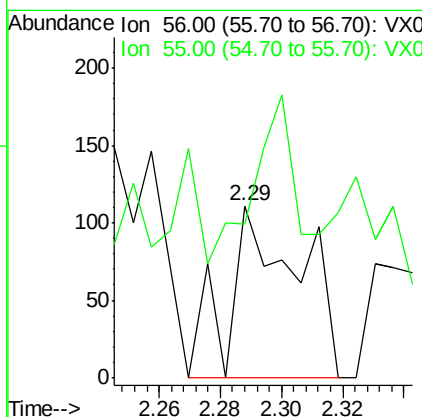
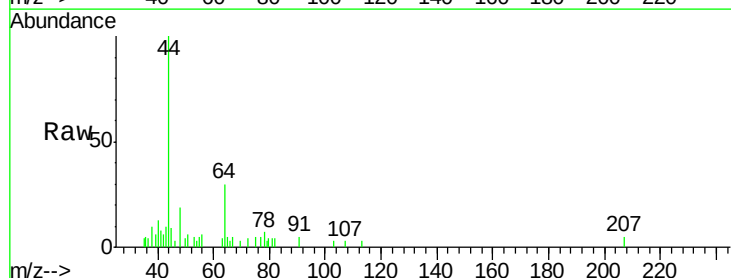
Instrument :
MSVOA_X
ClientSampled :

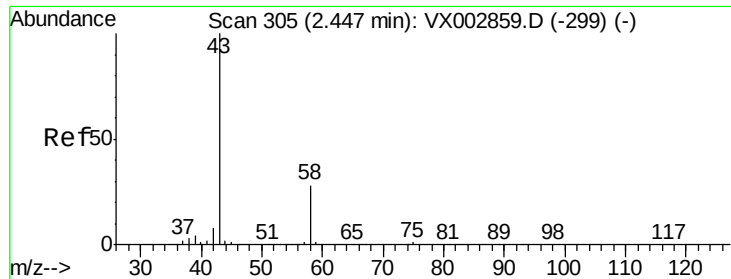
Tot Ion: 59 Resp: 196
Ion Ratio Lower Upper
59 100
57 81.1 8.2 12.2#



#13
Acrolein
Concen: 4.61 ug/l
RT: 2.29 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX003198.D
Acq: 06 Jul 2018 03:41

Tgt Ion: 56 Resp: 180
Ion Ratio Lower Upper
56 100
55 29.4 57.0 85.4#





#16

Acetone

Concen: 0.52 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX003198.D

Acq: 06 Jul 2018 03:41

Instrument :

MSVOA_X

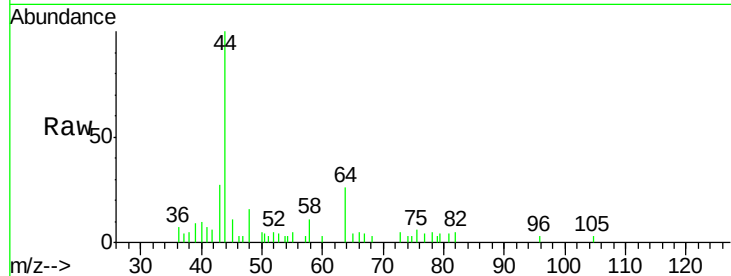
ClientSampleId :

Tot Ion: 43 Resp: 904

Ion Ratio Lower Upper

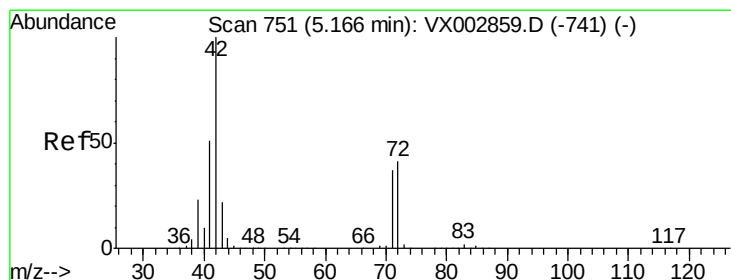
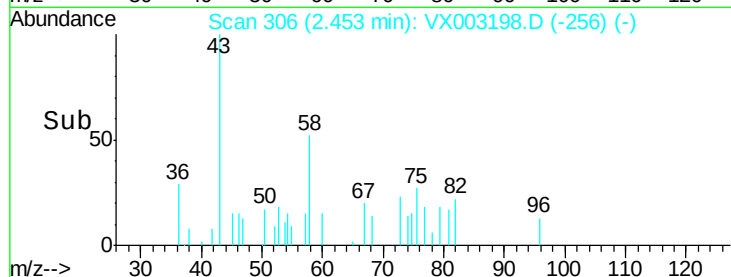
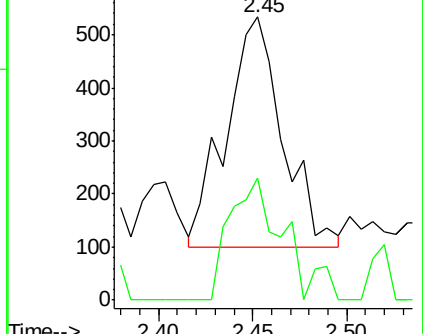
43 100

58 55.7 22.1 33.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#29

Tetrahydrofuran

Concen: 0.26 ug/l

RT: 5.18 min Scan# 754

Delta R.T. 0.02 min

Lab File: VX003198.D

Acq: 06 Jul 2018 03:41

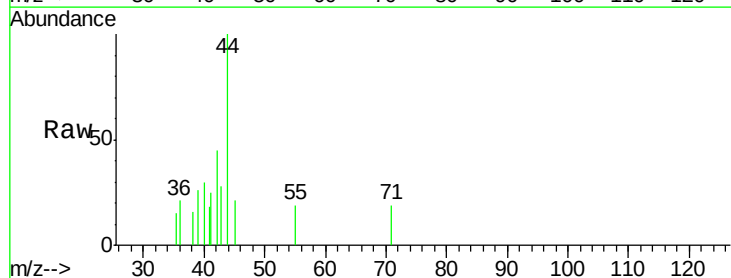
Tgt Ion: 42 Resp: 423

Ion Ratio Lower Upper

42 100

72 0.0 32.0 48.0#

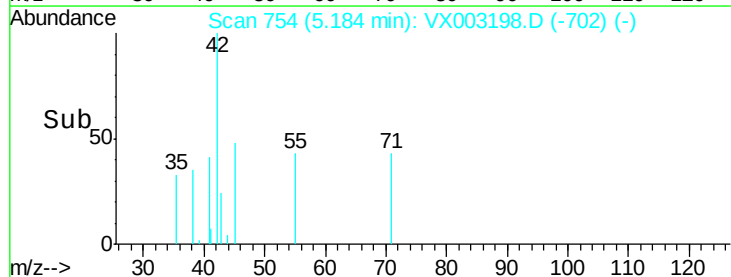
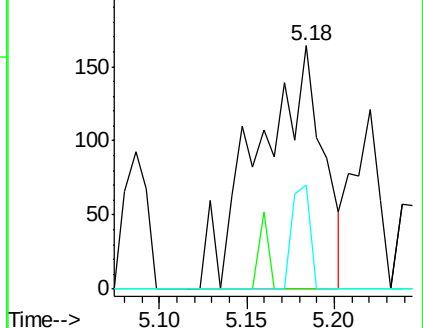
71 11.6 30.1 45.1#

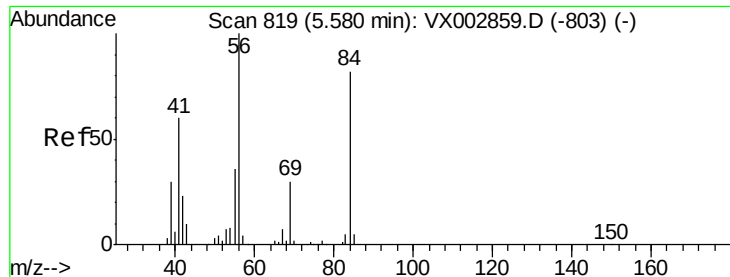


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

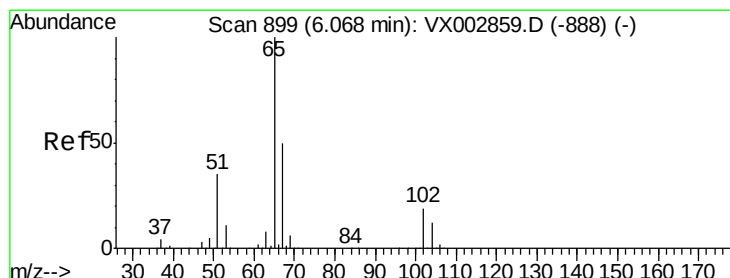
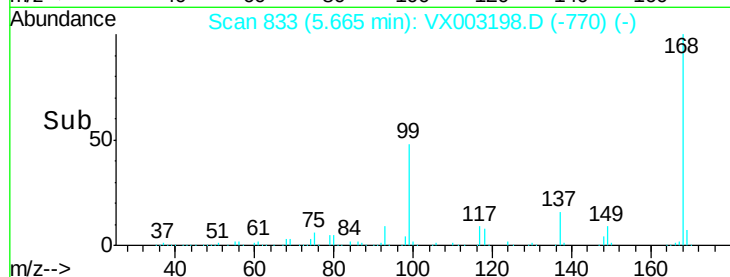
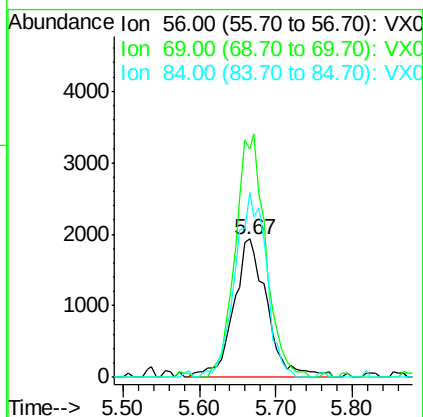
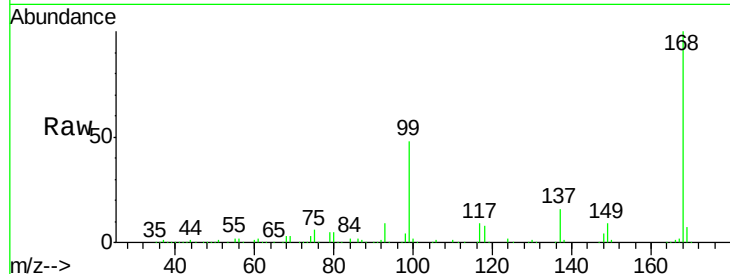




#31
Cyclohexane
Concen: 1.12 ug/l
RT: 5.67 min Scan# 833
Delta R.T. 0.09 min
Lab File: VX003198.D
Acq: 06 Jul 2018 03:41

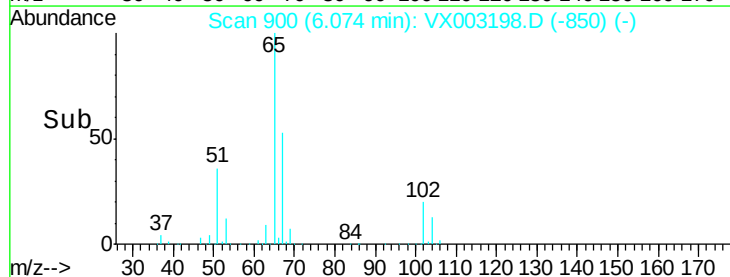
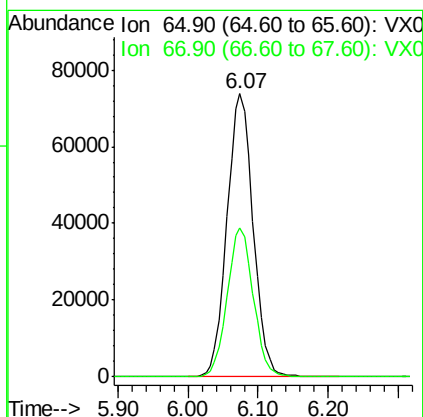
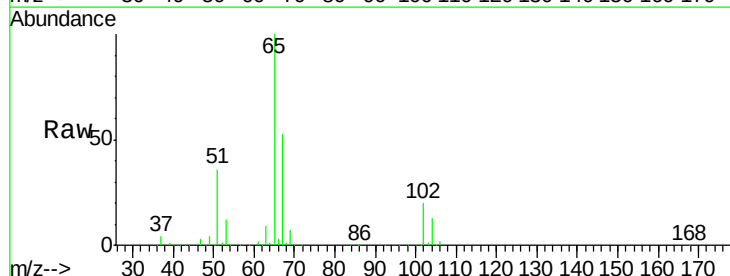
Instrument :
MSVOA_X
ClientSampleId :

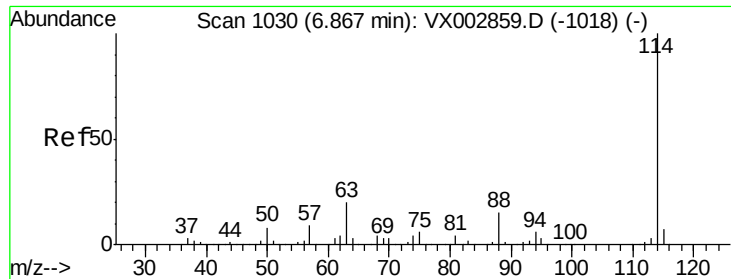
Tot Ion: 56 Resp: 5875
Ion Ratio Lower Upper
56 100
69 164.8 23.7 35.5#
84 133.6 64.1 96.1#



#33
1,2-Dichloroethane-d4
Concen: 45.81 ug/l
RT: 6.07 min Scan# 900
Delta R.T. 0.01 min
Lab File: VX003198.D
Acq: 06 Jul 2018 03:41

Tgt Ion: 65 Resp: 191573
Ion Ratio Lower Upper
65 100
67 52.5 0.0 102.6

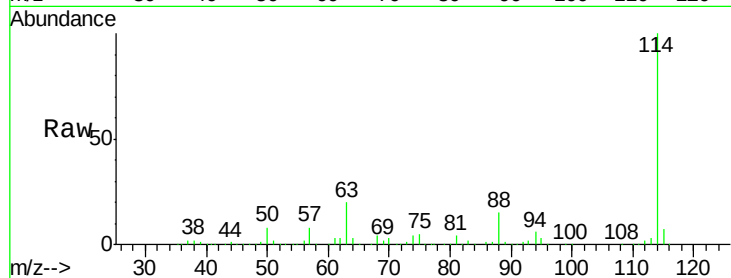




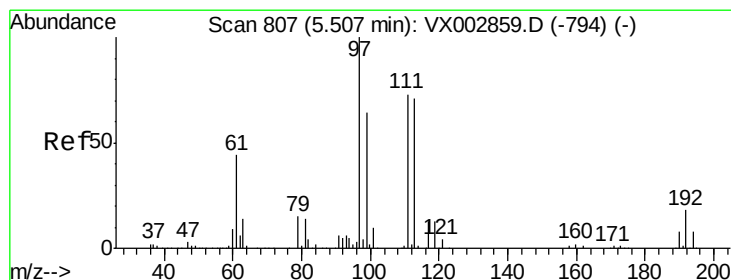
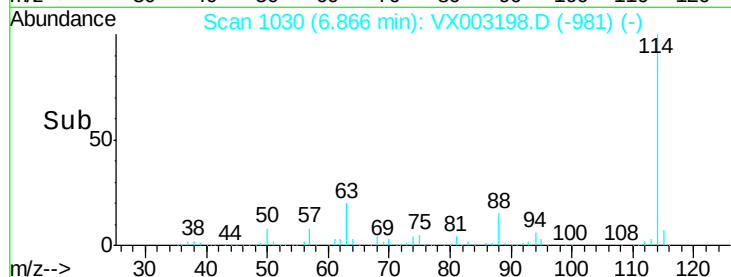
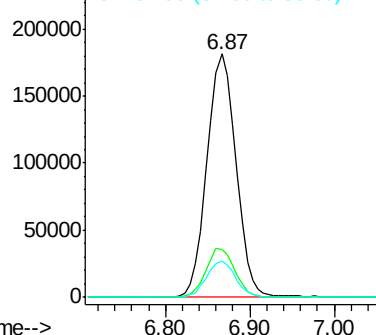
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX003198.D
 Acq: 06 Jul 2018 03:41

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:114 Resp: 423392
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 41.4
 88 15.1 0.0 30.0

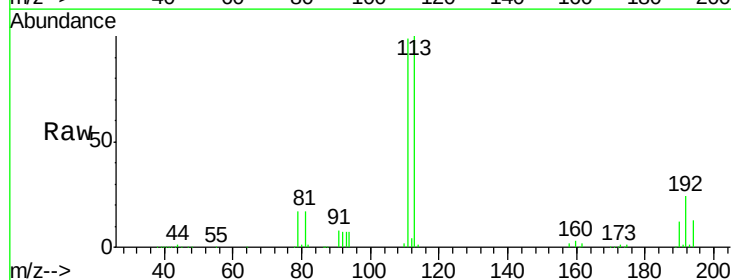


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX
 Ion 87.90 (87.60 to 88.60): VX

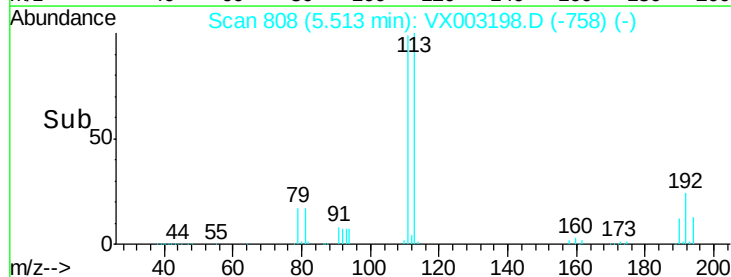
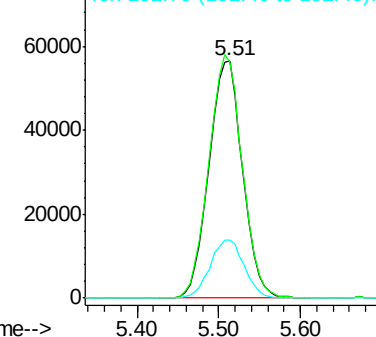


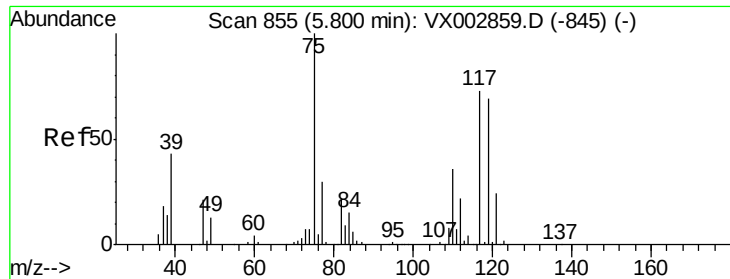
#35
 Dibromofluoromethane
 Concen: 48.30 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. 0.01 min
 Lab File: VX003198.D
 Acq: 06 Jul 2018 03:41

Tgt Ion:113 Resp: 161960
 Ion Ratio Lower Upper
 113 100
 111 101.9 81.4 122.0
 192 24.9 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

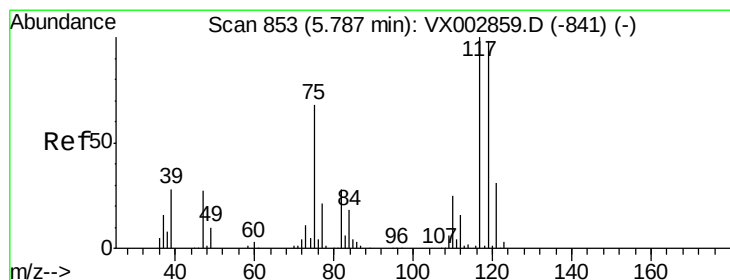
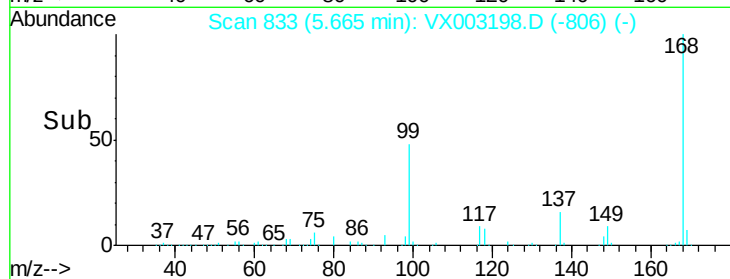
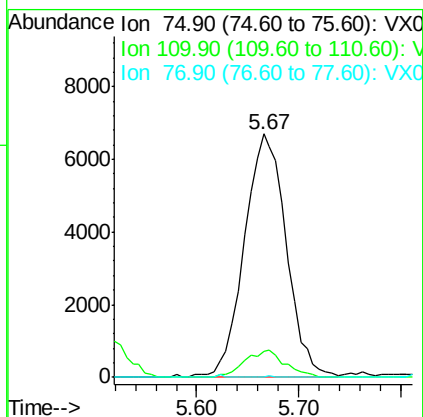
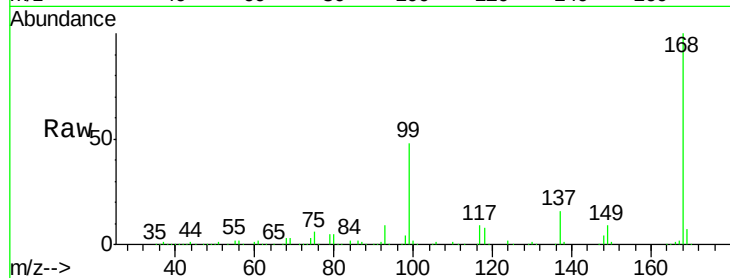




#36
 1,1-Dichloropropene
 Concen: 4.12 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.13 min
 Lab File: VX003198.D
 Acq: 06 Jul 2018 03:41

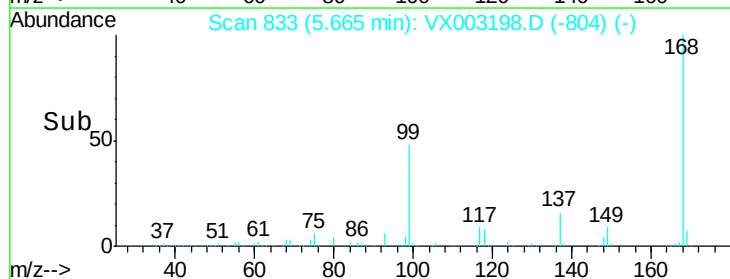
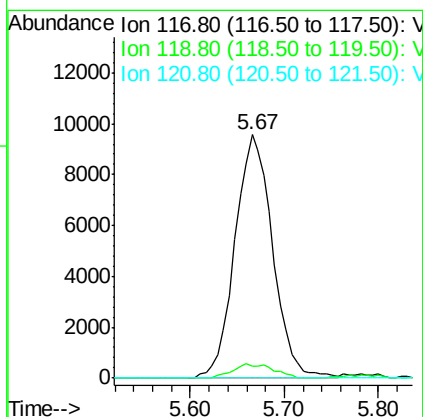
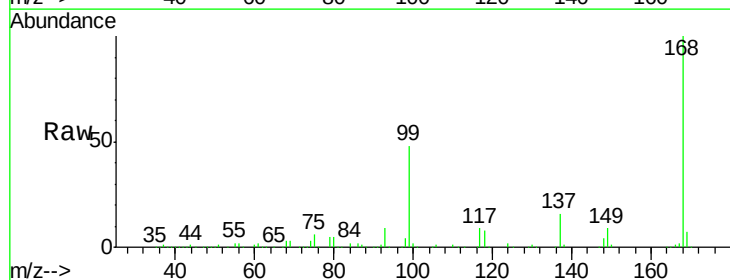
Instrument :
 MSVOA_X
 ClientSampleId :

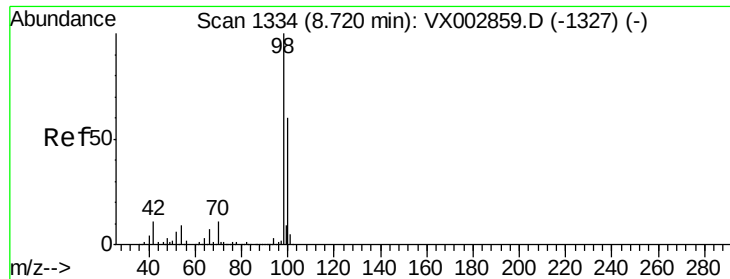
Tot Ion: 75 Resp: 19109
 Ion Ratio Lower Upper
 75 100
 110 10.8 18.1 54.4#
 77 0.1 24.3 36.5#



#38
 Carbon Tetrachloride
 Concen: 5.26 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.12 min
 Lab File: VX003198.D
 Acq: 06 Jul 2018 03:41

Tgt Ion: 117 Resp: 26776
 Ion Ratio Lower Upper
 117 100
 119 5.1 77.4 116.0#
 121 0.0 24.4 36.6#

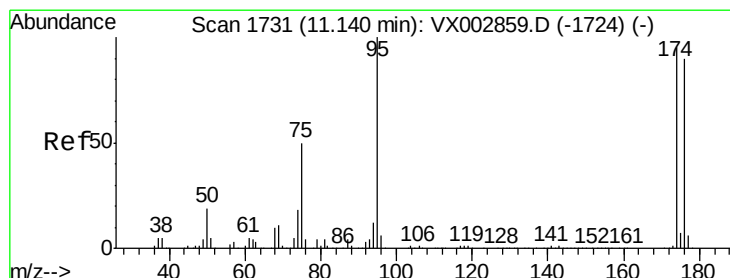
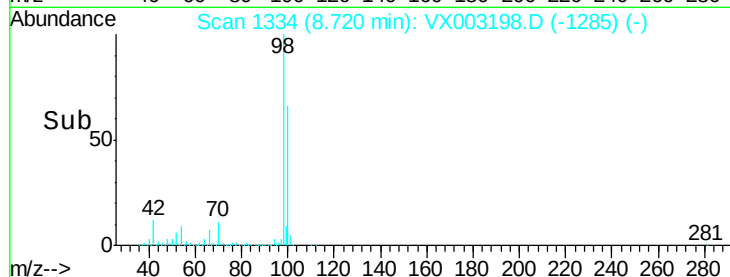
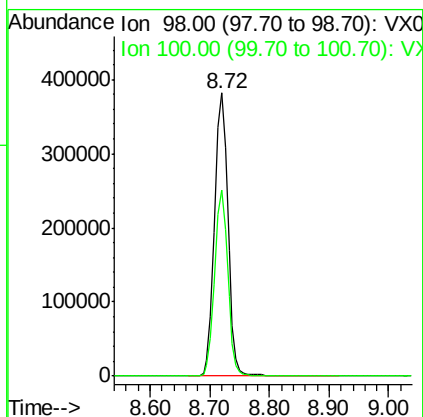
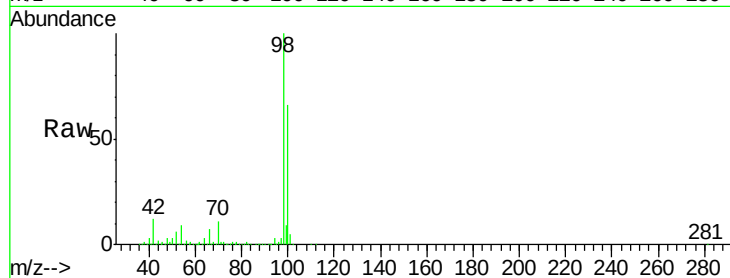




#50
Toluene-d8
Concen: 48.41 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003198.D
Acq: 06 Jul 2018 03:41

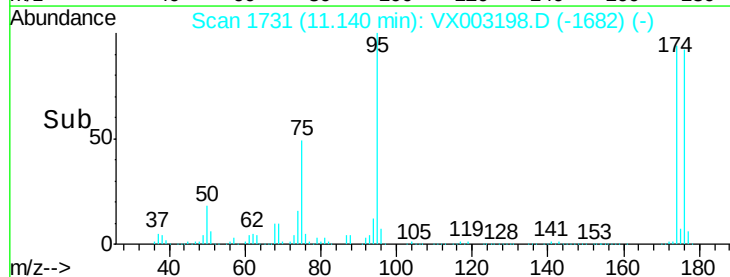
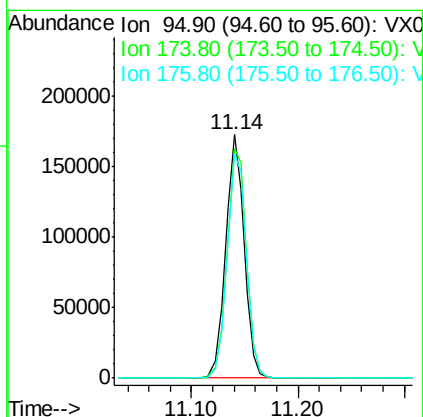
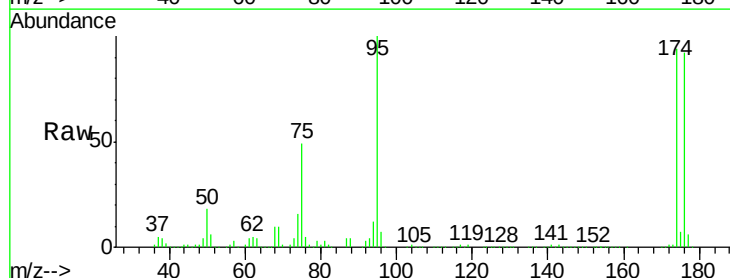
Instrument :
MSVOA_X
ClientSampleId :

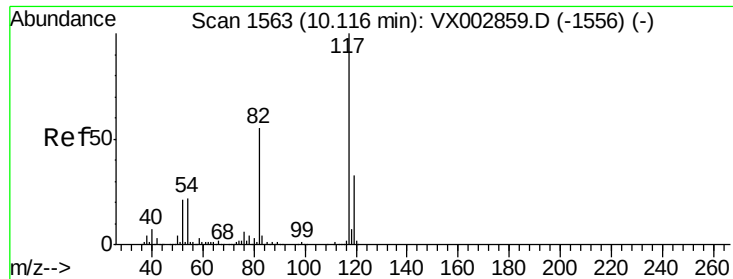
Tot Ion: 98 Resp: 592770
Ion Ratio Lower Upper
98 100
100 64.2 50.9 76.3



#62
4-Bromofluorobenzene
Concen: 44.34 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX003198.D
Acq: 06 Jul 2018 03:41

Tgt Ion: 95 Resp: 209373
Ion Ratio Lower Upper
95 100
174 99.2 0.0 187.4
176 96.4 0.0 181.0

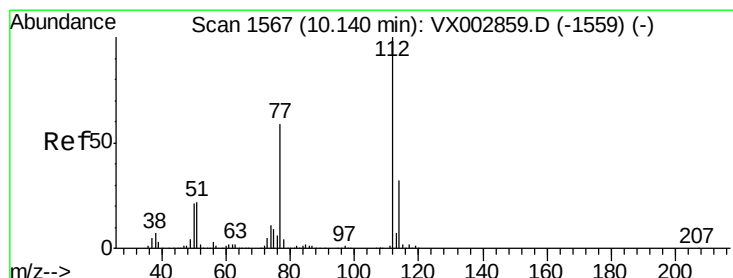
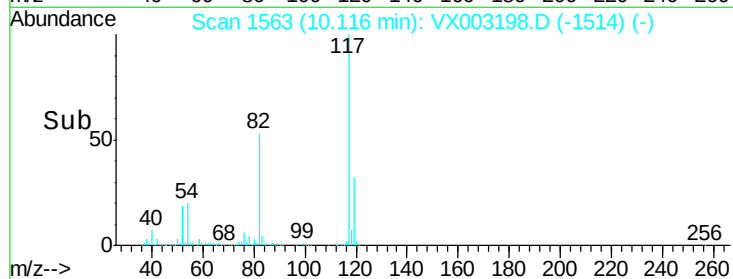
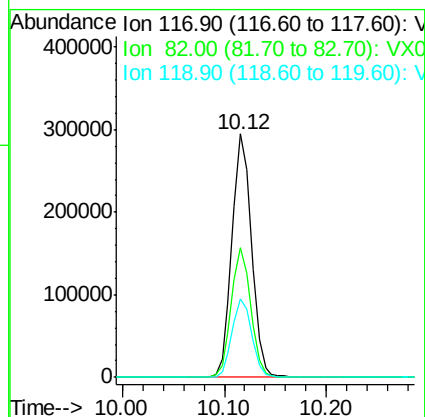
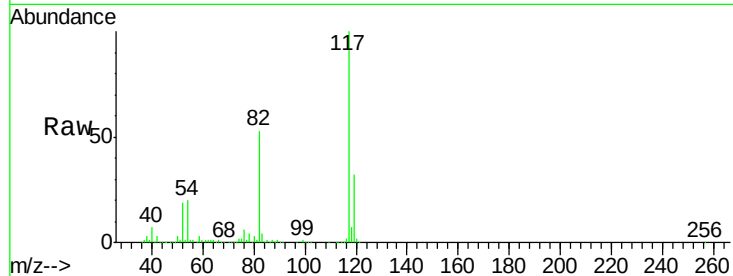




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX003198.D
Acq: 06 Jul 2018 03:41

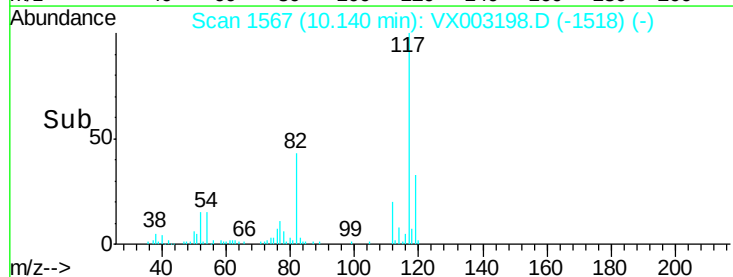
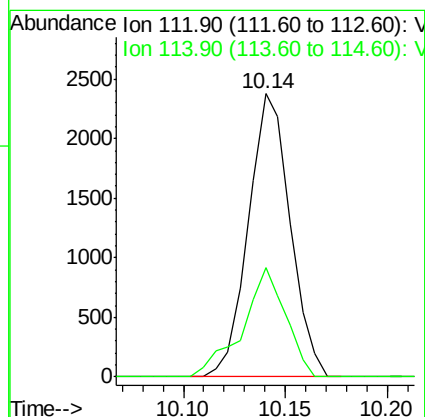
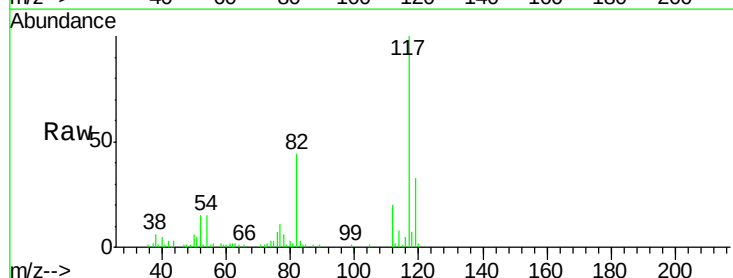
Instrument :
MSVOA_X
ClientSampleId :

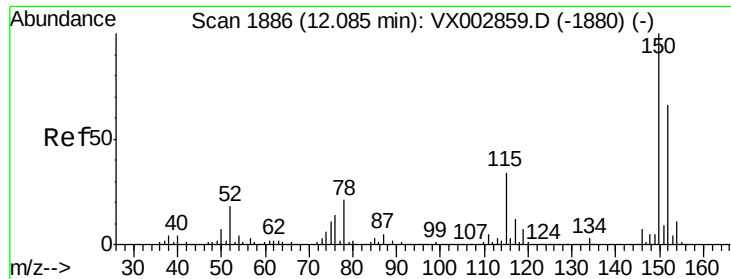
Tot Ion:117 Resp: 391452
Ion Ratio Lower Upper
117 100
82 53.3 45.0 67.4
119 32.4 25.8 38.6



#65
Chlorobenzene
Concen: 0.34 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX003198.D
Acq: 06 Jul 2018 03:41

Tgt Ion:112 Resp: 3388
Ion Ratio Lower Upper
112 100
114 38.8 25.3 37.9#





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VX003198.D

Acq: 06 Jul 2018 03:41

Instrument :

MSVOA_X

ClientSampleId :

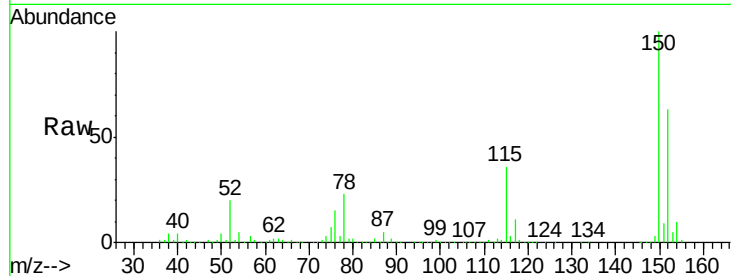
Tot Ion:152 Resp: 220508

Ion Ratio Lower Upper

152 100

115 53.6 40.1 120.2

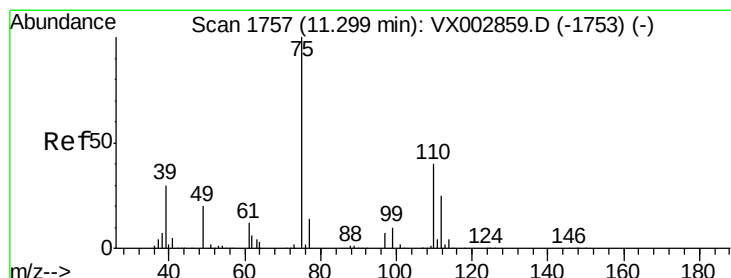
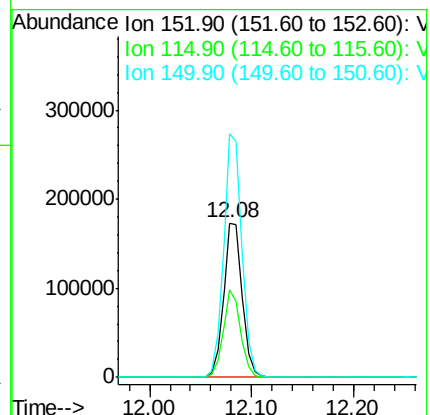
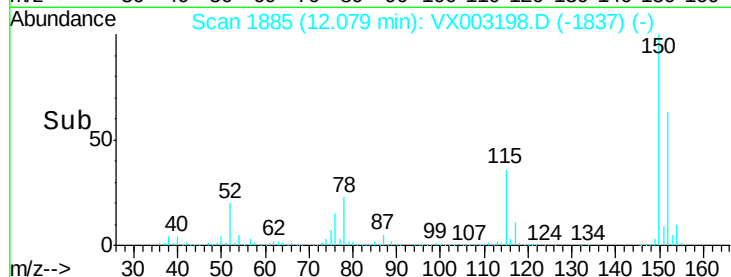
150 155.9 0.0 347.2



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: 26.05 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX003198.D

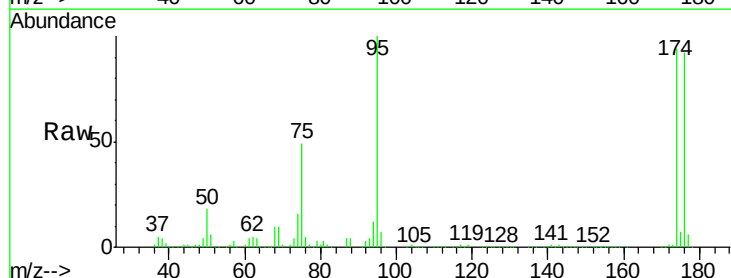
Acq: 06 Jul 2018 03:41

Tgt Ion: 75 Resp: 104033

Ion Ratio Lower Upper

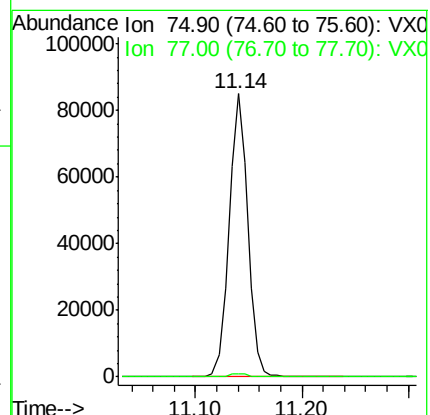
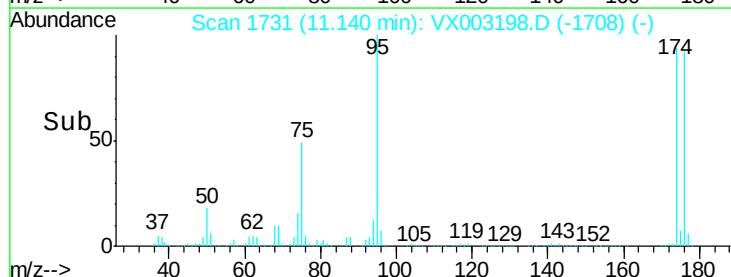
75 100

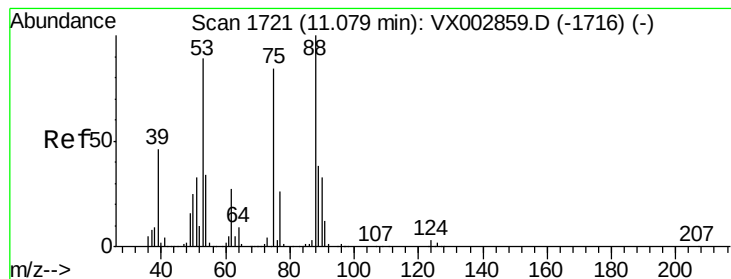
77 1.3 22.8 68.3#



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: 73.85 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

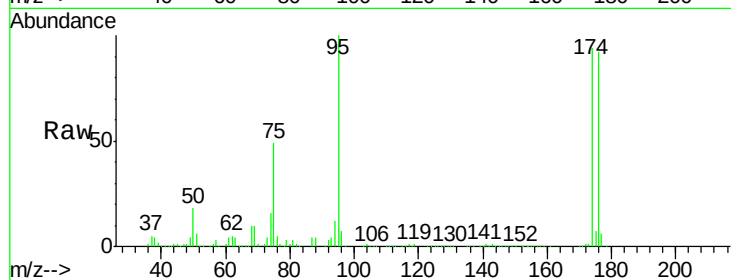
Lab File: VX003198.D

Acq: 06 Jul 2018 03:41

Instrument :

MSVOA_X

ClientSampleId :



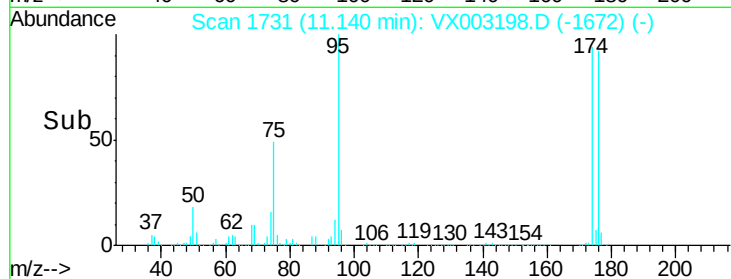
Tot Ion: 75 Resp: 104033

Ion Ratio Lower Upper

75 100

53 0.2 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

