

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061518\
 Data File : VX002623.D
 Acq On : 16 Jun 2018 03:14
 Operator : JC/MD
 Sample : J3435-10
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TRIP-BLANK

Quant Time: Jun 16 03:52:39 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061518W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 01:37:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	217922	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	312988	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	288155	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	158507	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	147968	44.68	ug/l	0.00
Spiked Amount			Recovery	=	89.36%	
35) Dibromofluoromethane	5.51	113	114220	45.73	ug/l	0.00
Spiked Amount			Recovery	=	91.46%	
50) Toluene-d8	8.72	98	447639	47.20	ug/l	0.00
Spiked Amount			Recovery	=	94.40%	
62) 4-Bromofluorobenzene	11.14	95	154385	42.96	ug/l	0.00
Spiked Amount			Recovery	=	85.92%	

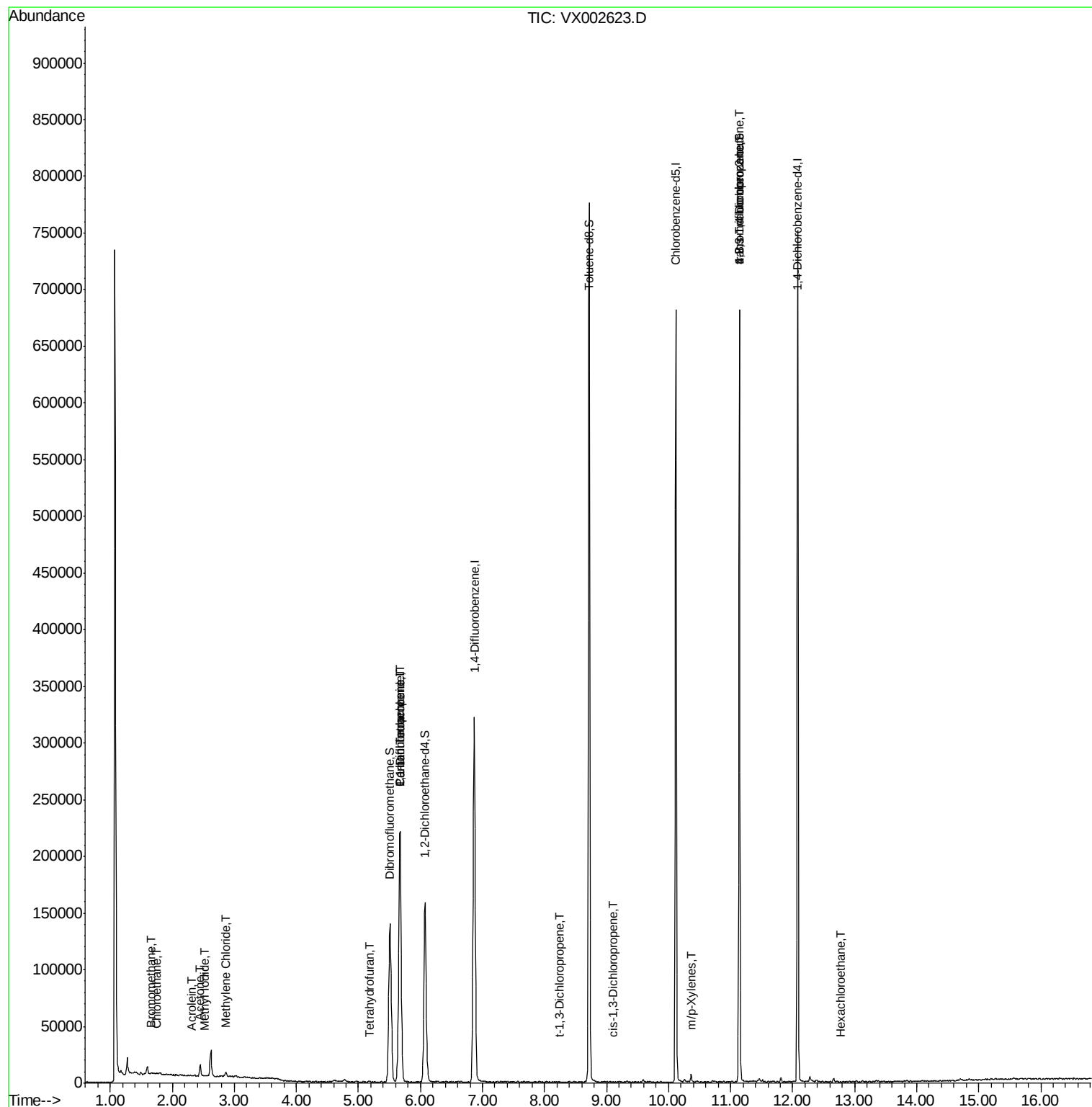
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.67	94	986	0.57	ug/l	86
6) Chloroethane	1.74	64	532	0.28	ug/l #	54
10) Methyl Iodide	2.52	142	1172	5.48	ug/l #	87
13) Acrolein	2.31	56	263	7.66	ug/l #	14
16) Acetone	2.45	43	11167	7.64	ug/l	97
20) Methylene Chloride	2.86	84	1755	0.59	ug/l #	91
29) Tetrahydrofuran	5.18	42	700	0.56	ug/l #	72
36) 1,1-Dichloropropene	5.67	75	15271	4.59	ug/l #	51
38) Carbon Tetrachloride	5.67	117	20295	6.13	ug/l #	15
53) t-1,3-Dichloropropene	8.24	75	41	2.40	ug/l #	43
54) cis-1,3-Dichloropropene	9.11	75	20	3.22	ug/l #	9
68) m/p-Xylenes	10.37	106	1467	0.32	ug/l	99
76) 1,2,3-Trichloropropane	11.14	75	83448	27.90	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.14	75	83448	85.99	ug/l #	7
90) Hexachloroethane	12.76	117	140	2.71	ug/l #	1

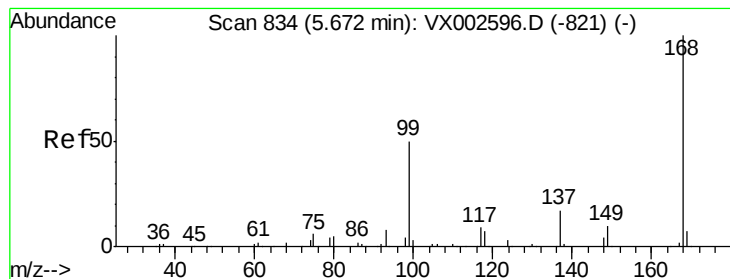
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 16 03:52:39 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X061518W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 16 01:37:33 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX002623.D

Acq: 16 Jun 2018 03:14

Instrument :

MSVOA_X

ClientSampleId :

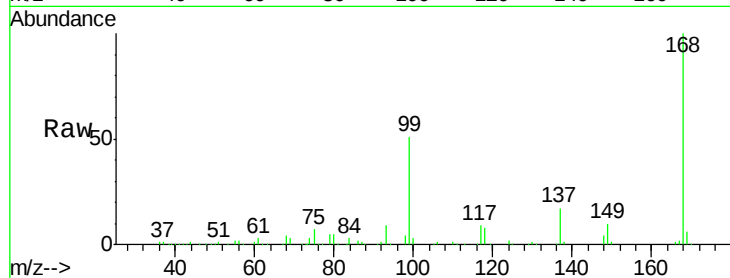
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Tot Ion:168 Resp: 217922

Ion Ratio Lower Upper

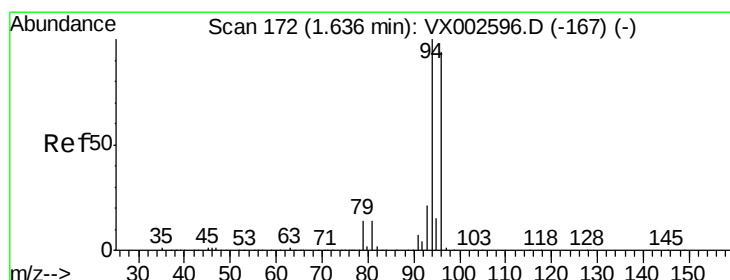
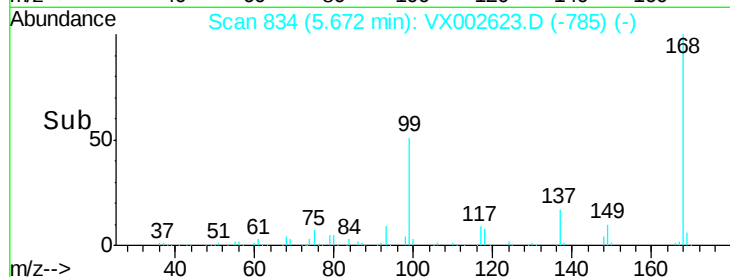
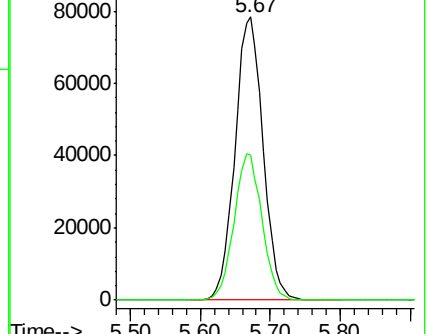
168 100

99 51.1 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.57 ug/l

RT: 1.67 min Scan# 177

Delta R.T. 0.03 min

Lab File: VX002623.D

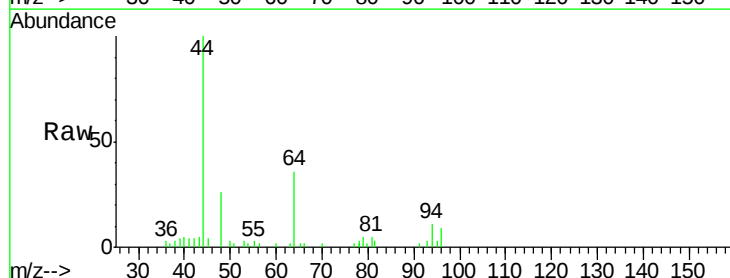
Acq: 16 Jun 2018 03:14

Tgt Ion: 94 Resp: 986

Ion Ratio Lower Upper

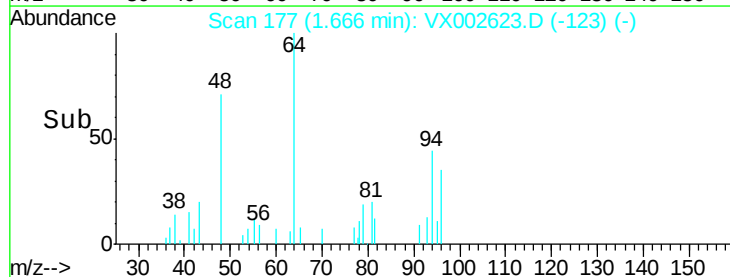
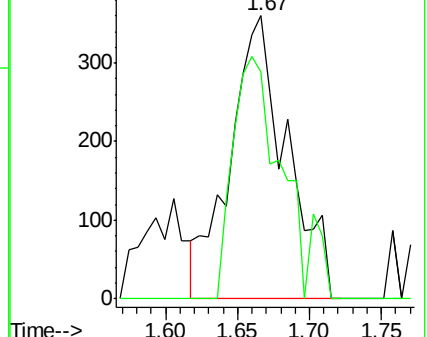
94 100

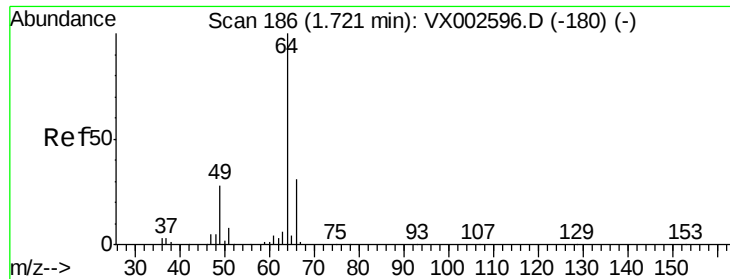
96 80.0 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 0.28 ug/l

RT: 1.74 min Scan# 189

Delta R.T. 0.02 min

Lab File: VX002623.D

Acq: 16 Jun 2018 03:14

Instrument :

MSVOA_X

ClientSampled :

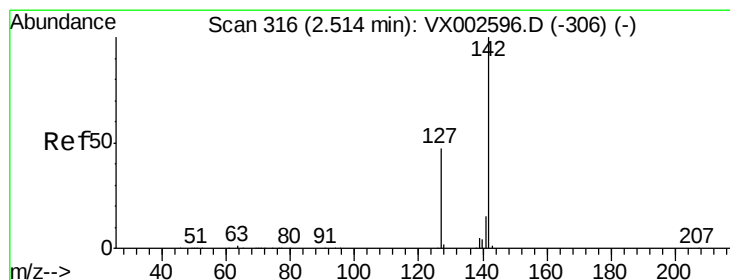
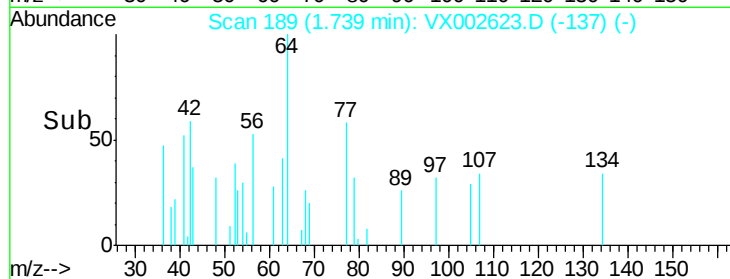
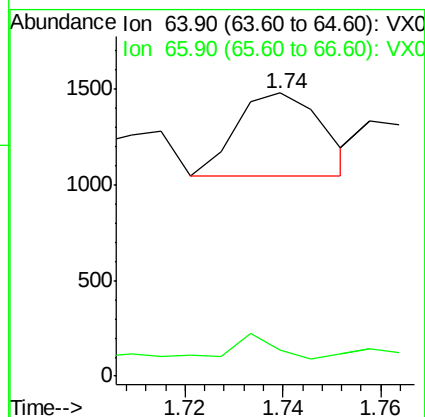
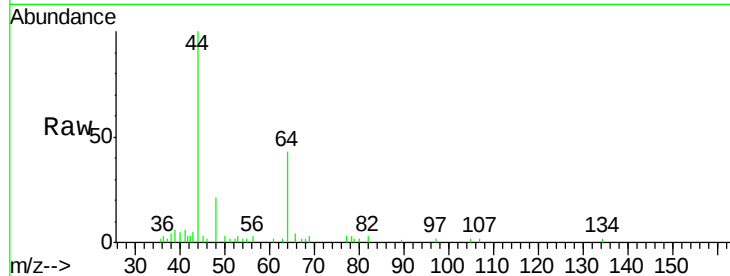
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Tot Ion: 64 Resp: 532

Ion Ratio Lower Upper

64 100

66 6.2 25.5 38.3#



#10

Methyl Iodide

Concen: 5.48 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX002623.D

Acq: 16 Jun 2018 03:14

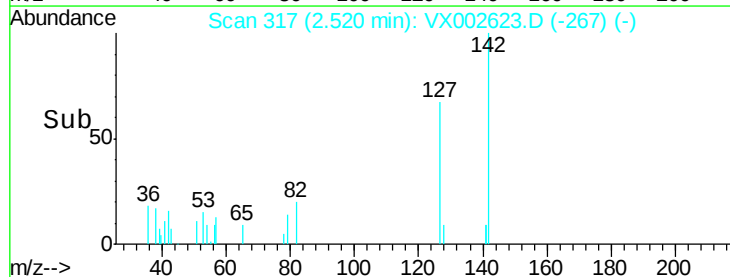
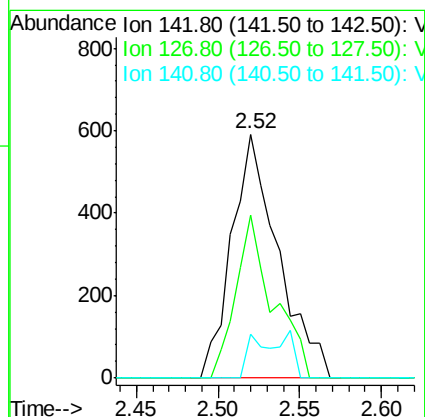
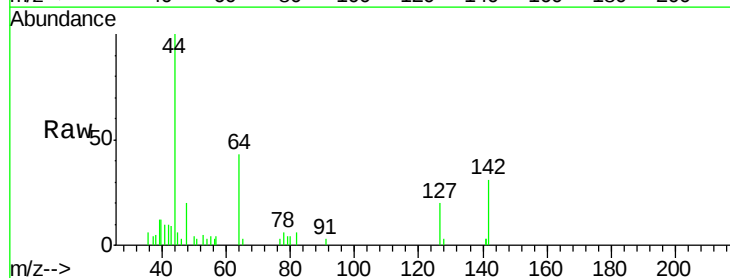
Tgt Ion: 142 Resp: 1172

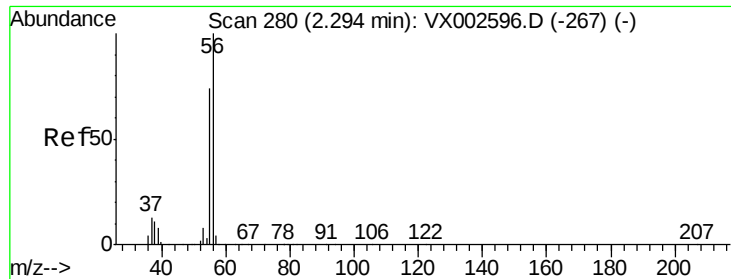
Ion Ratio Lower Upper

142 100

127 53.5 36.6 55.0

141 7.8 11.3 16.9#





#13

Acrolein

Concen: 7.66 ug/l

RT: 2.31 min Scan# 283

Delta R.T. 0.02 min

Lab File: VX002623.D

Acq: 16 Jun 2018 03:14

Instrument :

MSVOA_X

ClientSampled :

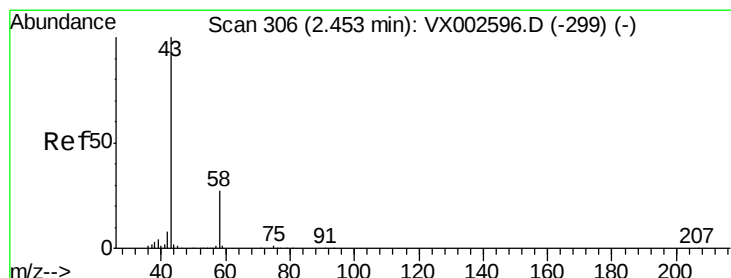
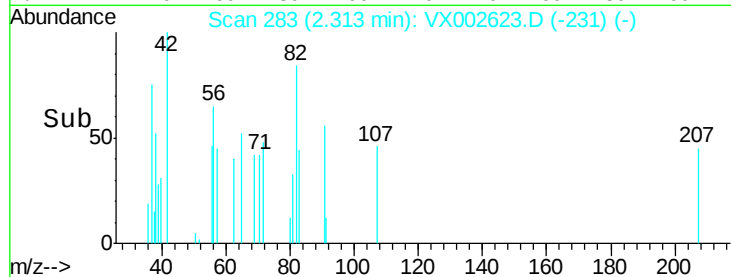
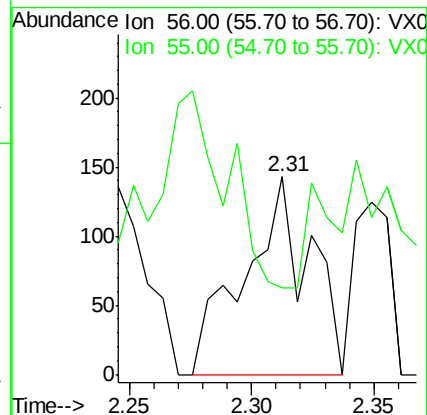
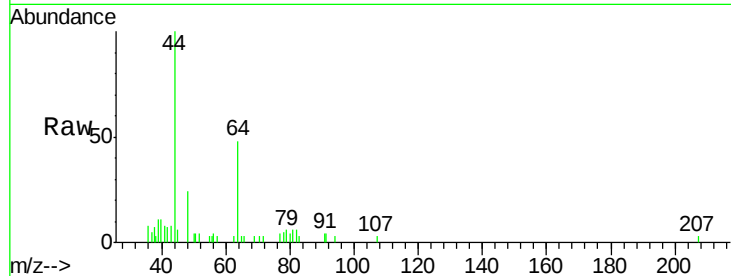
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Tot Ion: 56 Resp: 263

Ion Ratio Lower Upper

56 100

55 0.0 57.0 85.4#



#16

Acetone

Concen: 7.64 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX002623.D

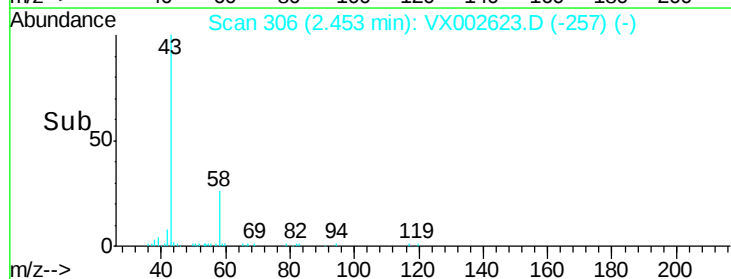
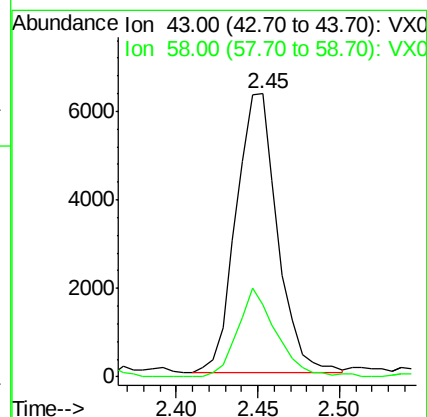
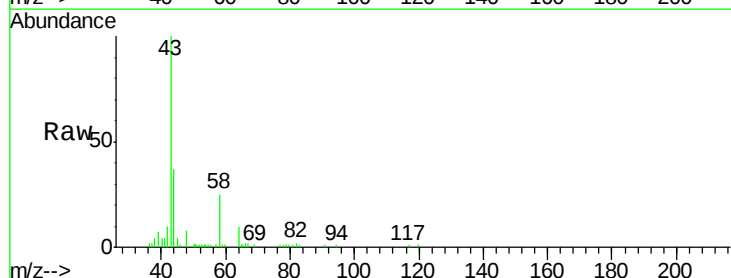
Acq: 16 Jun 2018 03:14

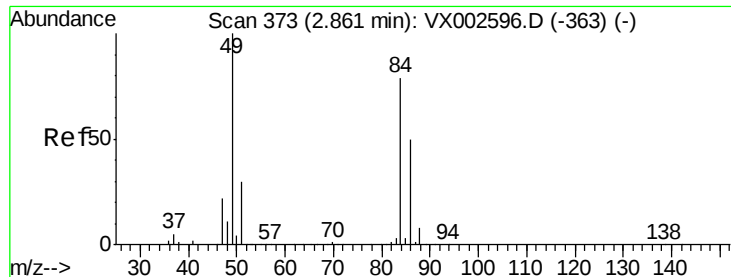
Tgt Ion: 43 Resp: 11167

Ion Ratio Lower Upper

43 100

58 25.8 22.1 33.1

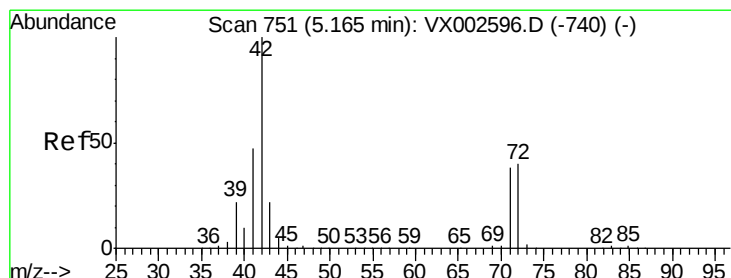
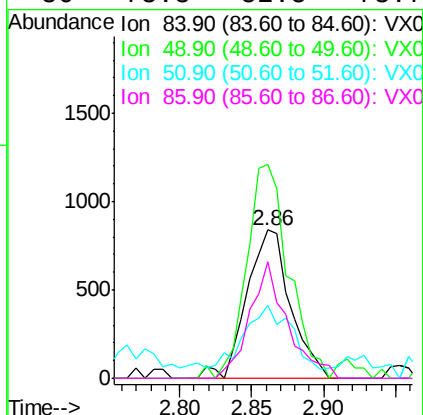
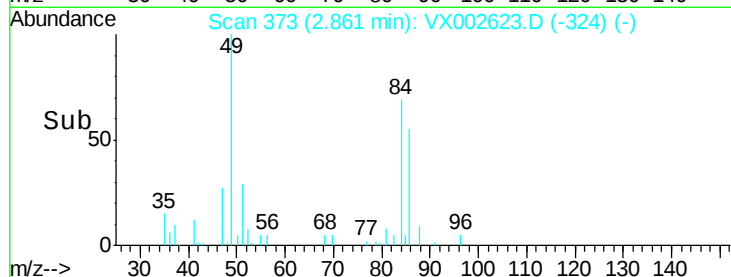
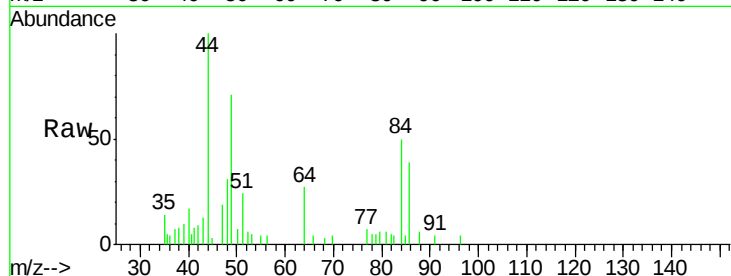




#20
Methylene Chloride
Concen: 0.59 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX002623.D
Acq: 16 Jun 2018 03:14

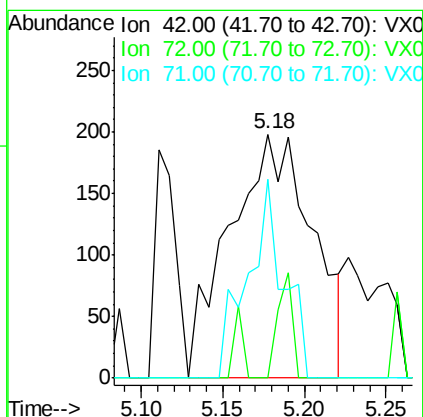
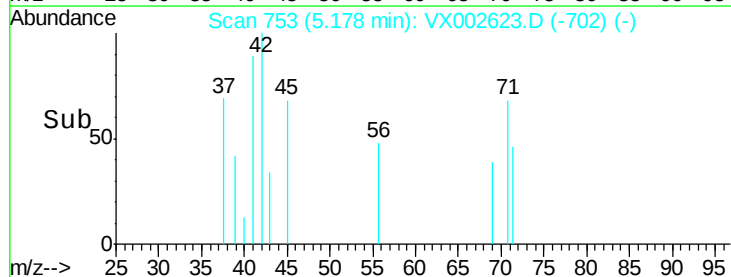
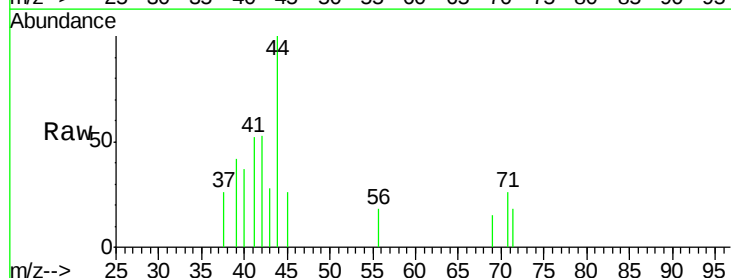
Instrument :
MSVOA_X
ClientSampled :
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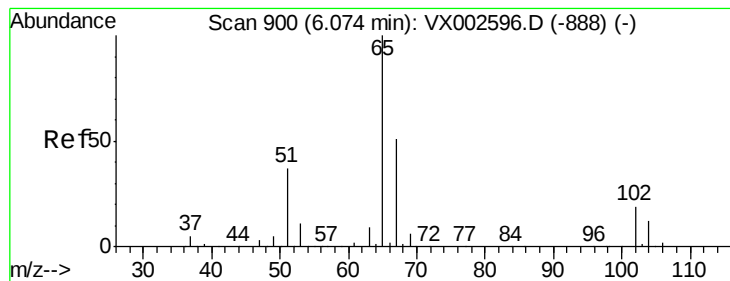
Tot Ion: 84 Resp: 1755
Ion Ratio Lower Upper
84 100
49 144.1 107.8 161.6
51 41.5 32.8 49.2
86 78.8 52.5 78.7#



#29
Tetrahydrofuran
Concen: 0.56 ug/l
RT: 5.18 min Scan# 753
Delta R.T. 0.01 min
Lab File: VX002623.D
Acq: 16 Jun 2018 03:14

Tgt Ion: 42 Resp: 700
Ion Ratio Lower Upper
42 100
72 7.4 32.0 48.0#
71 36.0 30.1 45.1





#33

1,2-Dichloroethane-d4

Concen: 44.68 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.00 min

Lab File: VX002623.D

Acq: 16 Jun 2018 03:14

Instrument :

MSVOA_X

ClientSampleId :

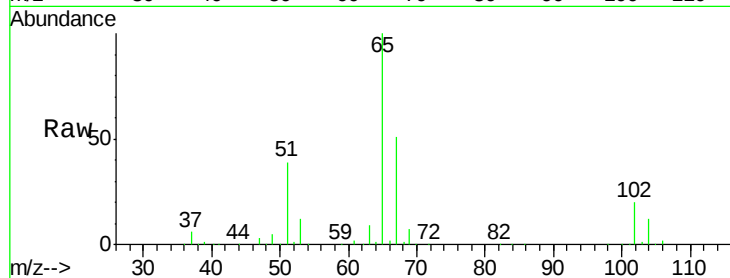
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Tot Ion: 65 Resp: 147968

Ion Ratio Lower Upper

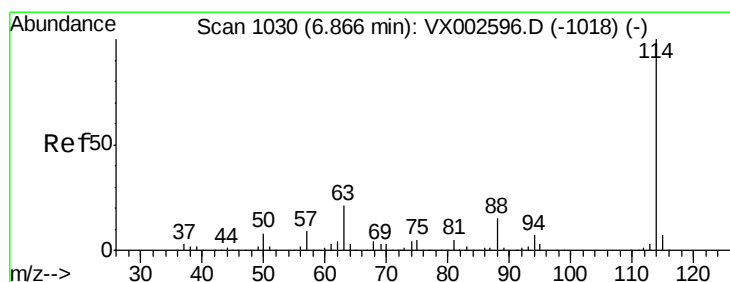
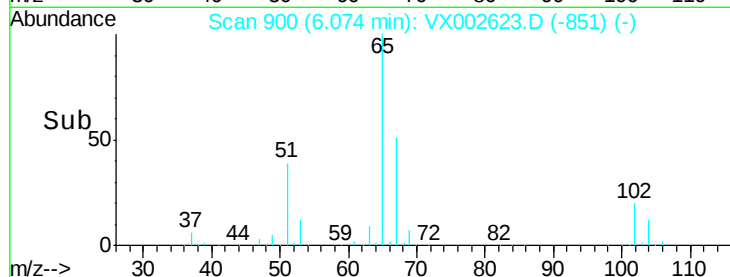
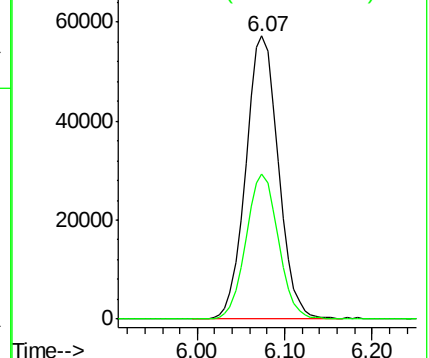
65 100

67 51.0 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: VX002623.D

Acq: 16 Jun 2018 03:14

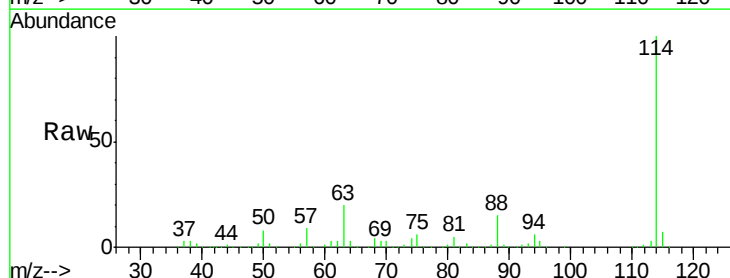
Tgt Ion: 114 Resp: 312988

Ion Ratio Lower Upper

114 100

63 20.0 0.0 41.4

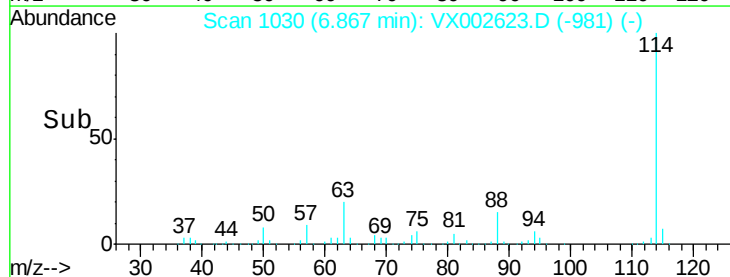
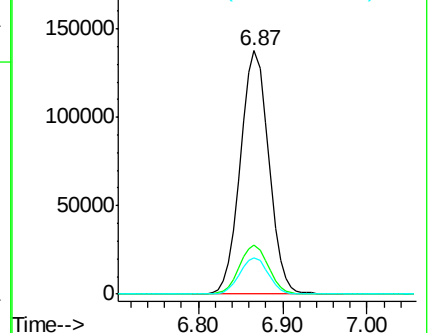
88 14.7 0.0 30.0

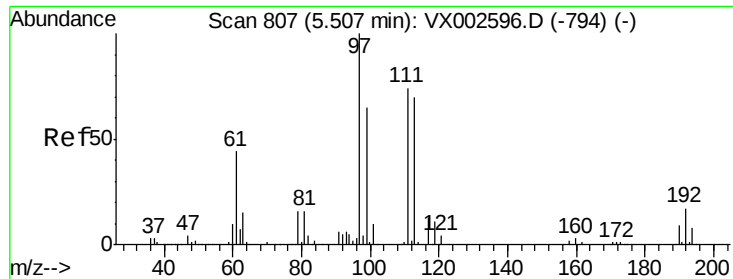


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 45.73 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.01 min

Lab File: VX002623.D

Acq: 16 Jun 2018 03:14

Instrument :

MSVOA_X

ClientSampled :

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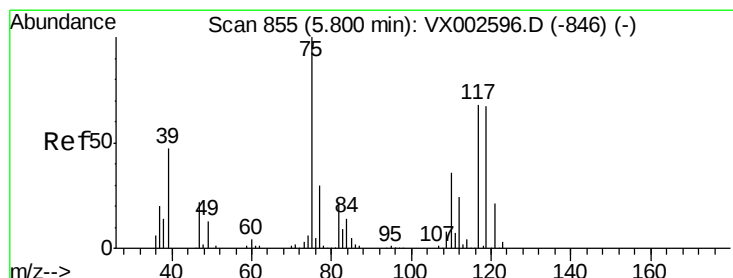
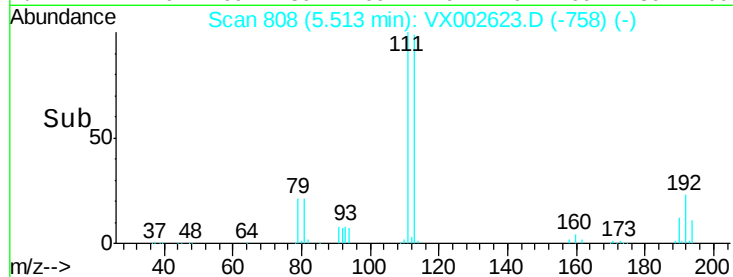
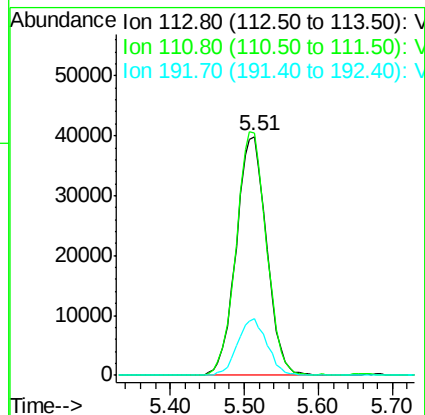
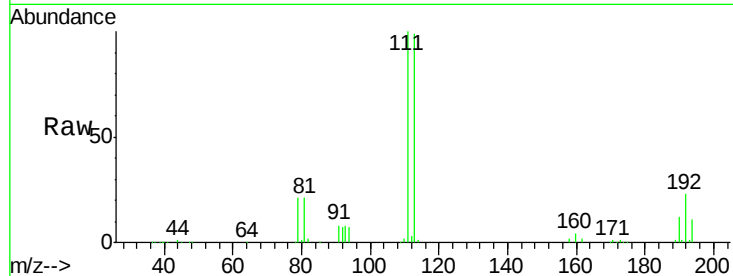
Tot Ion:113 Resp: 114220

Ion Ratio Lower Upper

113 100

111 101.0 81.4 122.0

192 23.0 19.1 28.7



#36

1,1-Dichloropropene

Concen: 4.59 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.13 min

Lab File: VX002623.D

Acq: 16 Jun 2018 03:14

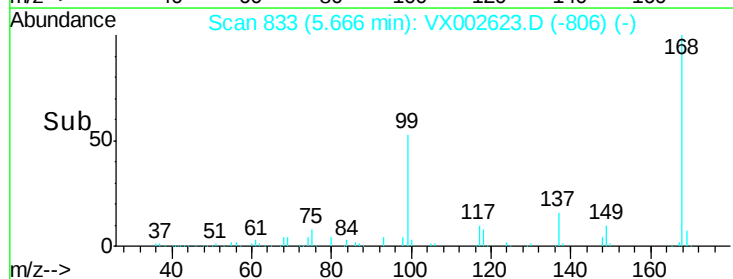
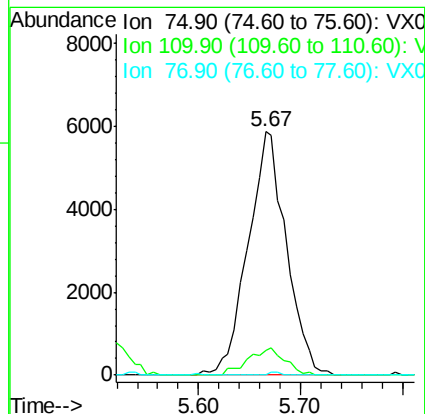
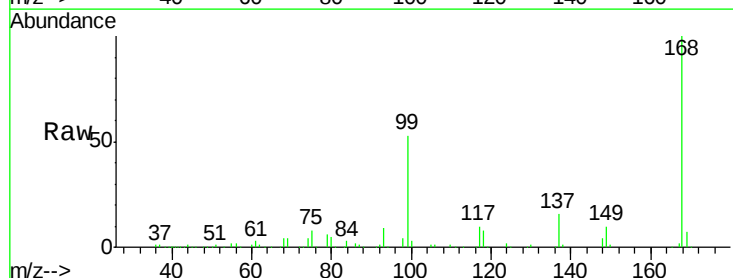
Tgt Ion: 75 Resp: 15271

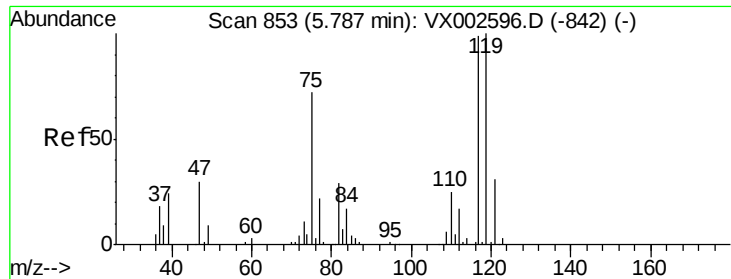
Ion Ratio Lower Upper

75 100

110 10.8 18.1 54.4#

77 0.3 24.3 36.5#





#38

Carbon Tetrachloride

Concen: 6.13 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.12 min

Lab File: VX002623.D

Acq: 16 Jun 2018 03:14

Instrument :

MSVOA_X

ClientSampleId :

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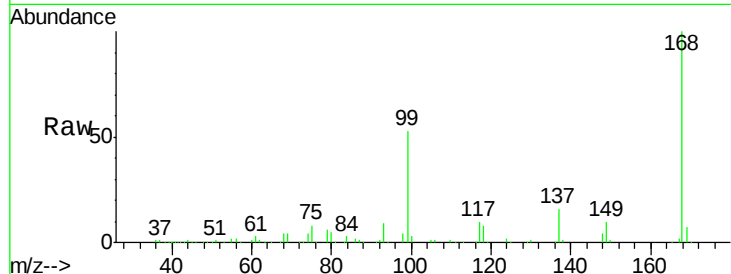
Tot Ion:117 Resp: 20295

Ion Ratio Lower Upper

117 100

119 3.8 77.4 116.0#

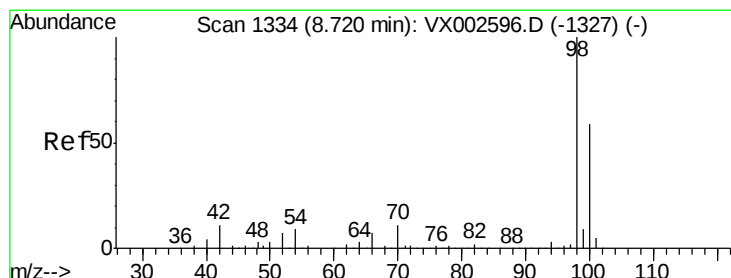
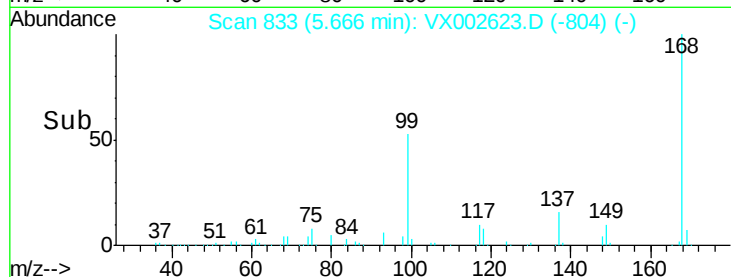
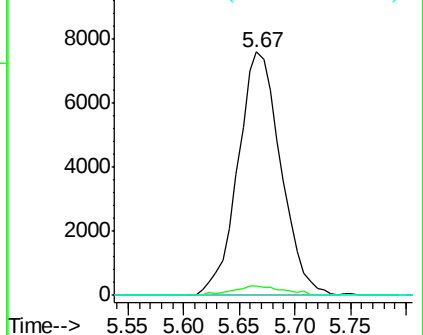
121 0.0 24.4 36.6#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 47.20 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX002623.D

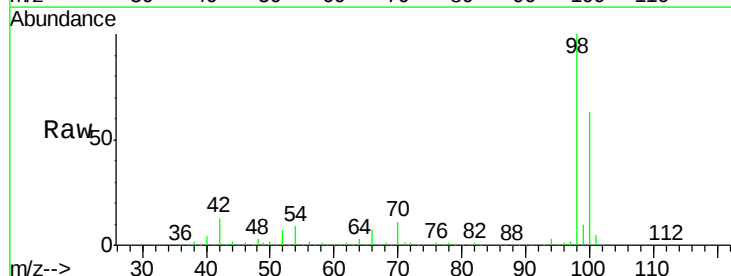
Acq: 16 Jun 2018 03:14

Tgt Ion: 98 Resp: 447639

Ion Ratio Lower Upper

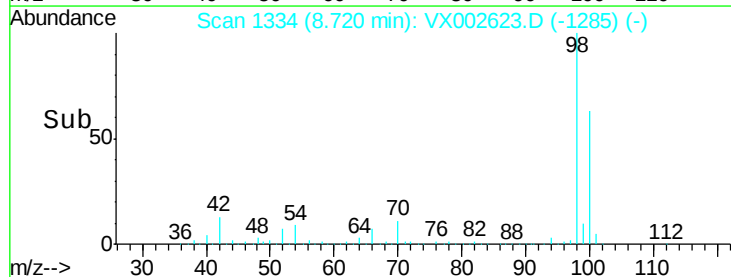
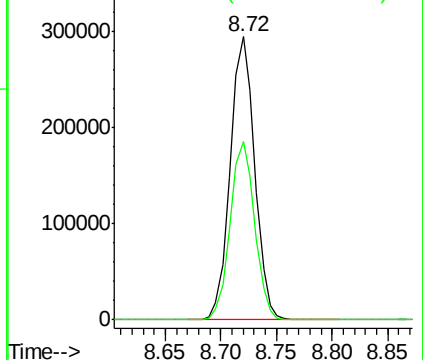
98 100

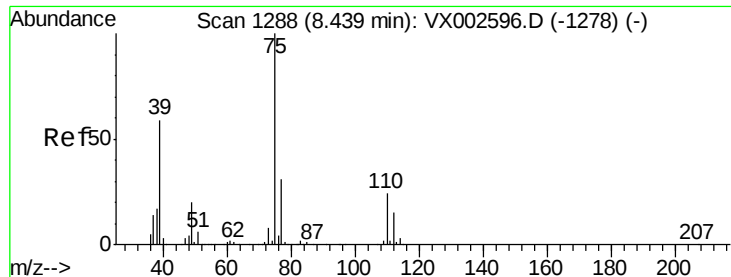
100 63.0 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#53

t-1,3-Dichloropropene

Concen: 2.40 ug/l

RT: 8.24 min Scan# 1255

Delta R.T. -0.20 min

Lab File: VX002623.D

Acq: 16 Jun 2018 03:14

Instrument :

MSVOA_X

ClientSampleId :

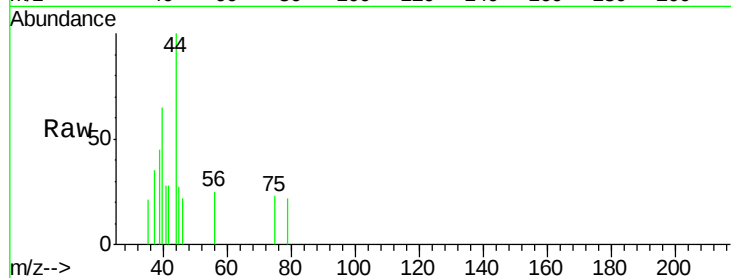
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Tot Ion: 75 Resp: 41

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.2#

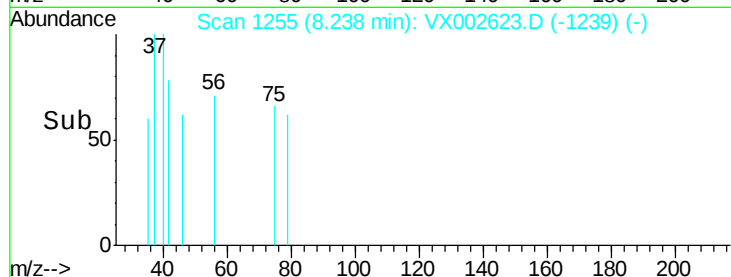


Abundance Ion 74.90 (74.60 to 75.60): VX0

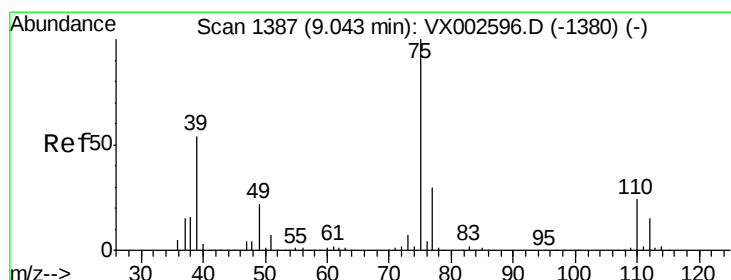
Ion 76.90 (76.60 to 77.60): VX0

8.24

Time-->



Time-->



#54

cis-1,3-Dichloropropene

Concen: 3.22 ug/l

RT: 9.11 min Scan# 1398

Delta R.T. 0.07 min

Lab File: VX002623.D

Acq: 16 Jun 2018 03:14

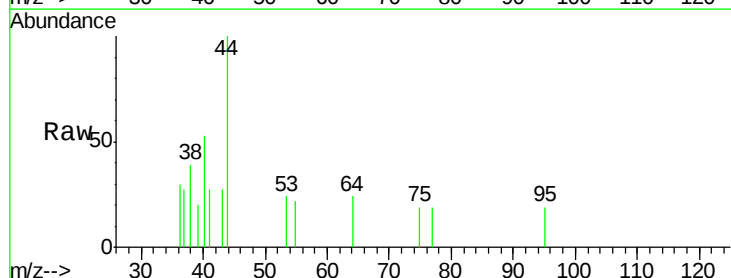
Tgt Ion: 75 Resp: 20

Ion Ratio Lower Upper

75 100

77 96.3 24.8 37.2#

39 0.0 42.4 63.6#



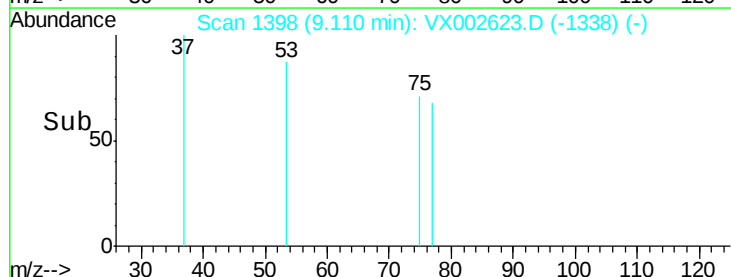
Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

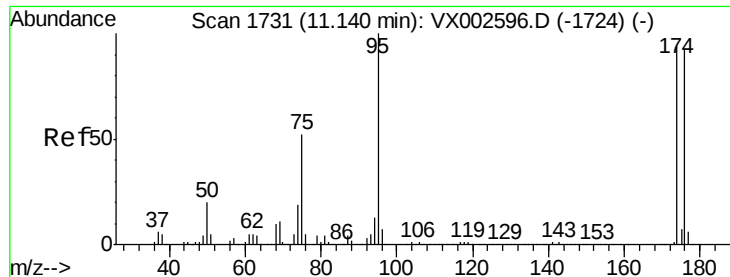
Ion 39.00 (38.70 to 39.70): VX0

9.11

Time-->



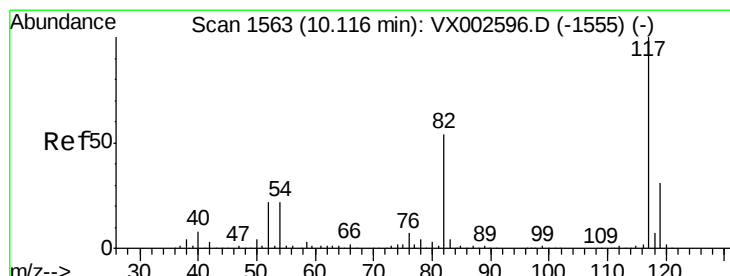
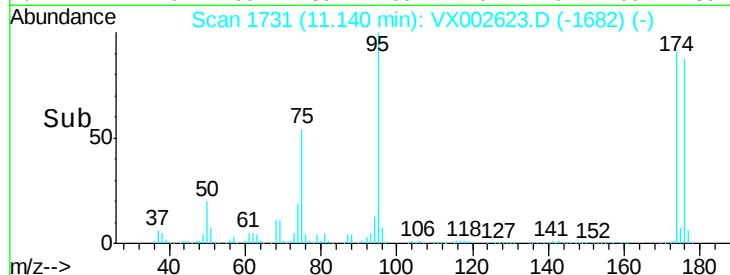
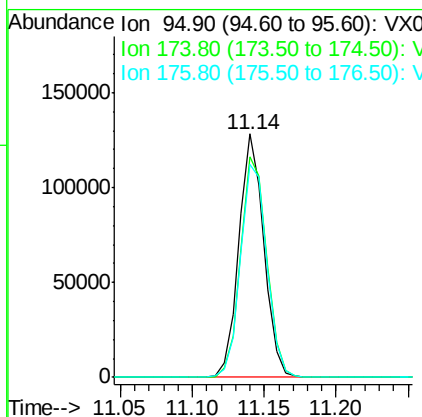
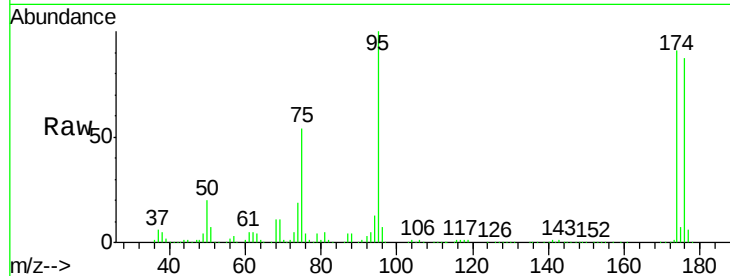
Time-->



#62
4-Bromofluorobenzene
Concen: 42.96 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX002623.D
Acq: 16 Jun 2018 03:14

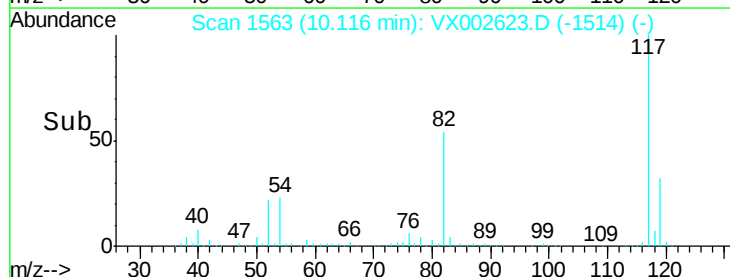
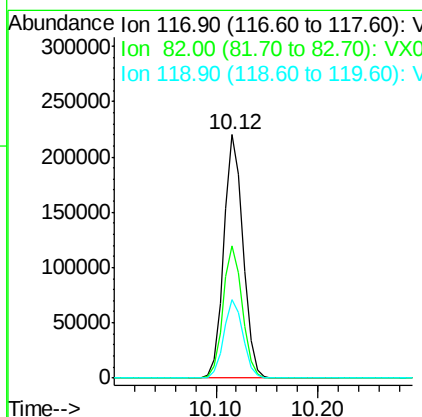
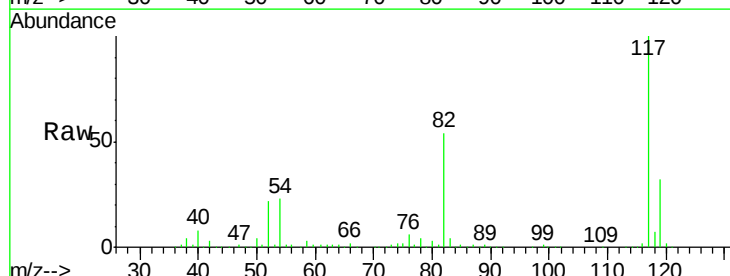
Instrument :
MSVOA_X
ClientSampleId :
TRIP-BLANK

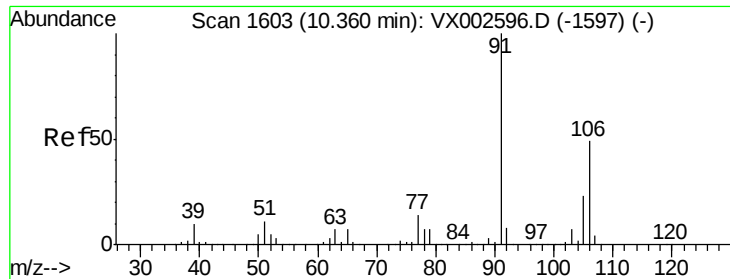
Tot Ion: 95 Resp: 154385
Ion Ratio Lower Upper
95 100
174 94.9 0.0 187.4
176 92.0 0.0 181.0



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX002623.D
Acq: 16 Jun 2018 03:14

Tgt Ion: 117 Resp: 288155
Ion Ratio Lower Upper
117 100
82 54.4 45.0 67.4
119 32.2 25.8 38.6

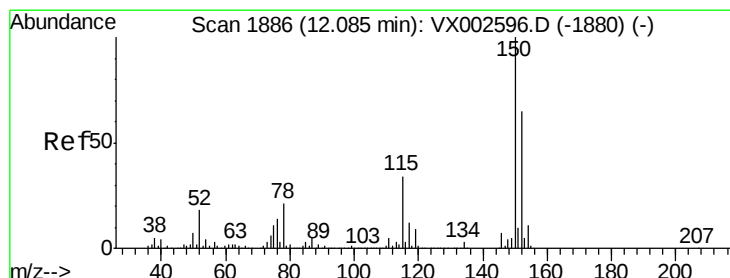
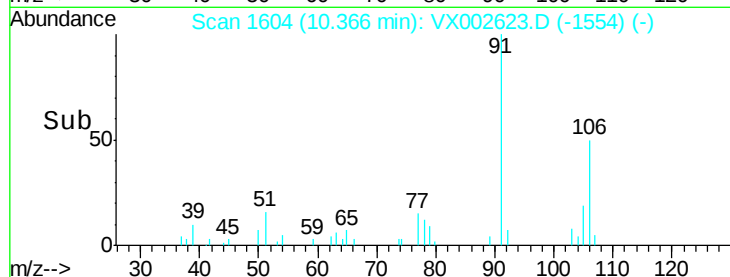
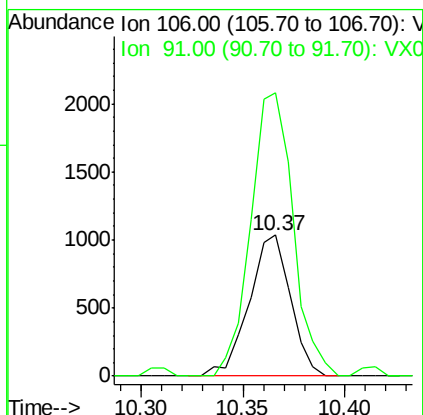
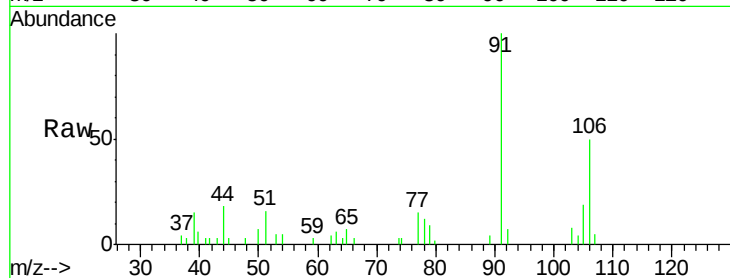




#68
m/p-Xvlenes
Concen: 0.32 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. 0.01 min
Lab File: VX002623.D
Acq: 16 Jun 2018 03:14

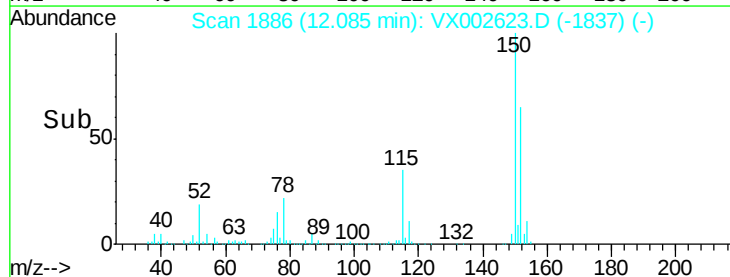
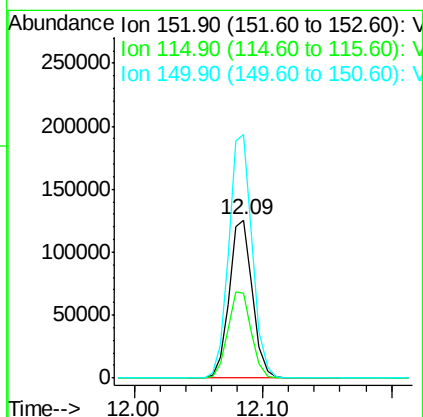
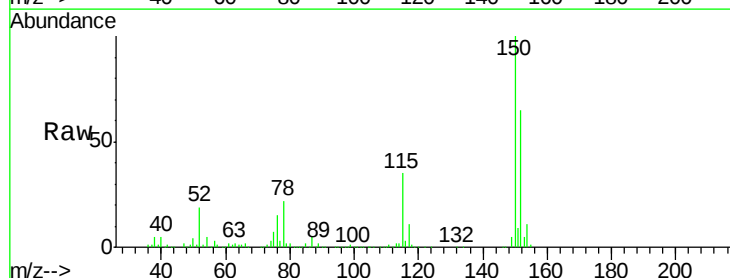
Instrument :
MSVOA_X
ClientSampled :
TRIP-BLANK

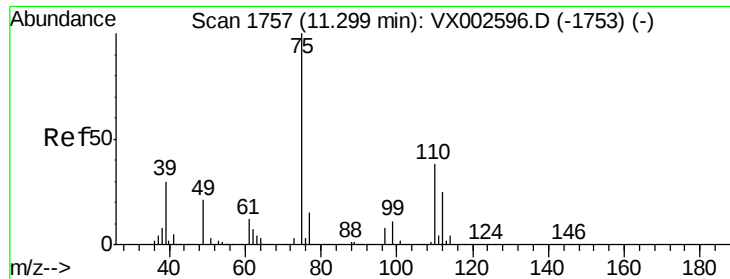
Tot Ion:106 Resp: 1467
Ion Ratio Lower Upper
106 100
91 205.1 163.4 245.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX002623.D
Acq: 16 Jun 2018 03:14

Tgt Ion:152 Resp: 158507
Ion Ratio Lower Upper
152 100
115 55.5 40.1 120.2
150 155.7 0.0 347.2





#76

1,2,3-Trichloropropane

Concen: 27.90 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX002623.D

Acq: 16 Jun 2018 03:14

Instrument :

MSVOA_X

ClientSampleId :

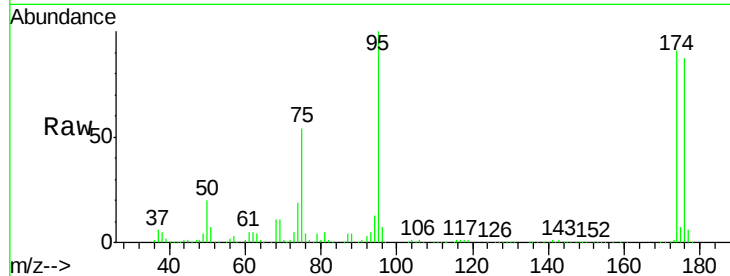
TRIP-BLANK

Tot Ion: 75 Resp: 83448

Ion Ratio Lower Upper

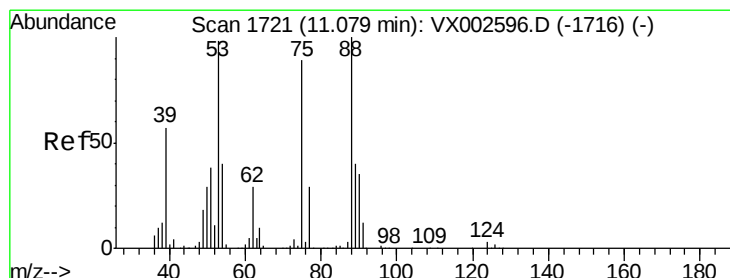
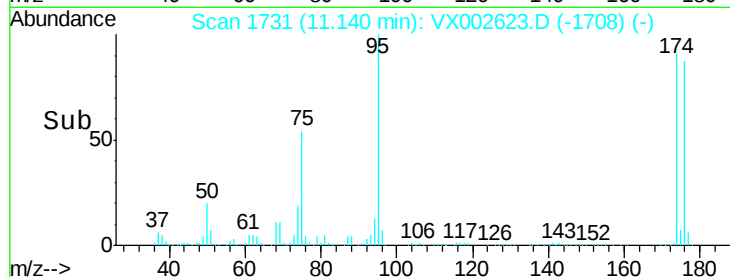
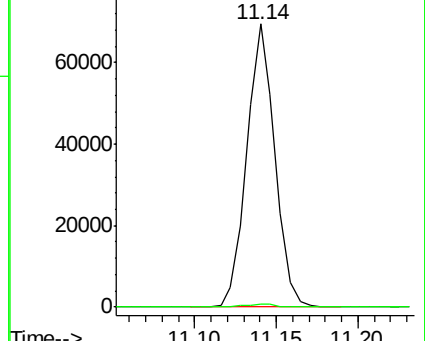
75 100

77 1.1 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: 85.99 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX002623.D

Acq: 16 Jun 2018 03:14

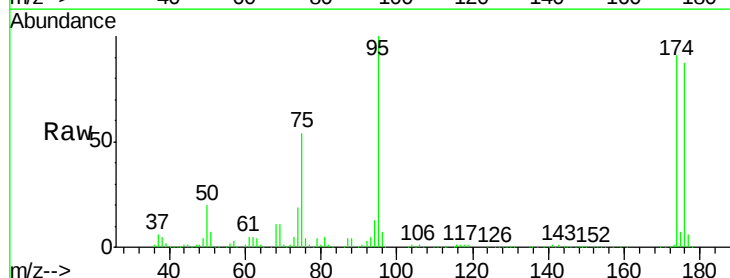
Tgt Ion: 75 Resp: 83448

Ion Ratio Lower Upper

75 100

53 0.2 86.8 130.2#

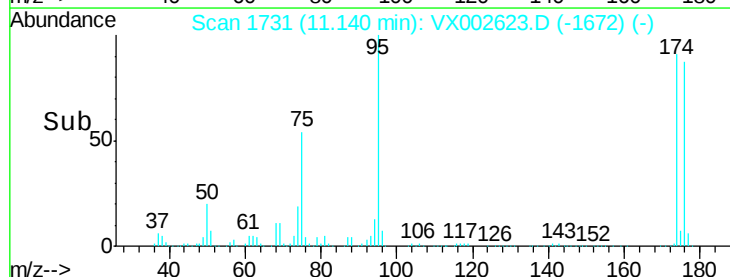
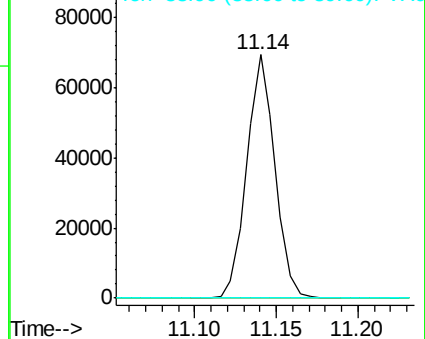
89 0.1 38.2 57.2#

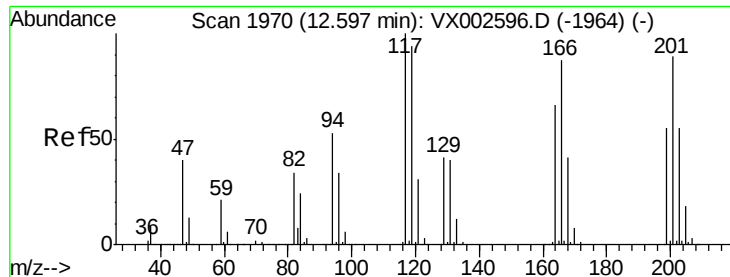


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#90

Hexachloroethane

Concen: 2.71 ug/l

RT: 12.76 min Scan# 1997

Delta R.T. 0.16 min

Lab File: VX002623.D

Acq: 16 Jun 2018 03:14

Instrument :

MSVOA_X

ClientSampleId :

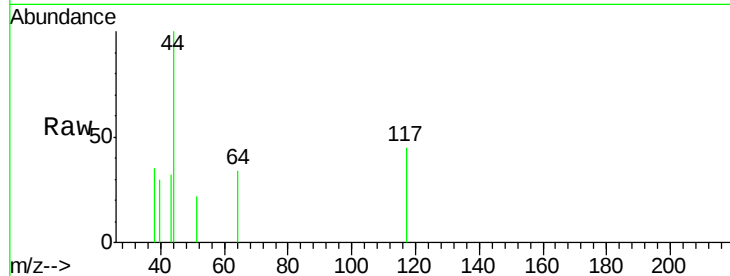
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Tot Ion:117 Resp: 140

Ion Ratio Lower Upper

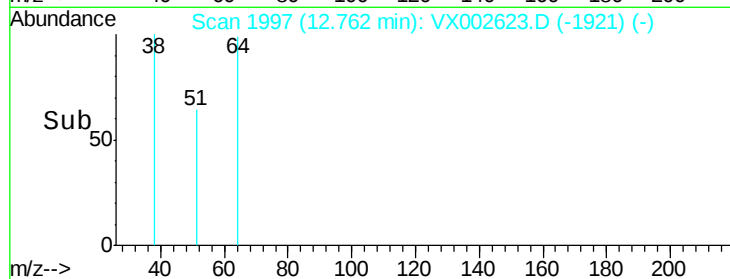
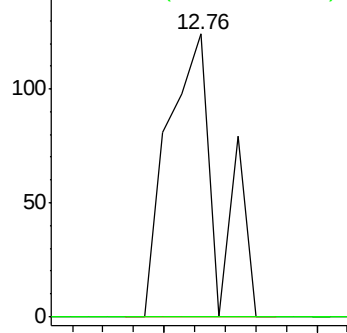
117 100

201 0.0 49.0 147.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



Time-->