

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061518\
 Data File : VX002630.D
 Acq On : 16 Jun 2018 07:12
 Operator : JC/MD
 Sample : J3449-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 JAMAICA-TRIP-BLANK-3-6-11-18

Quant Time: Jun 18 06:07:12 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	214398	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	307076	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	289797	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	166283	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	145566	44.68	ug/l	0.00
Spiked Amount			Recovery	=	89.36%	
35) Dibromofluoromethane	5.51	113	111485	45.49	ug/l	0.00
Spiked Amount			Recovery	=	90.98%	
50) Toluene-d8	8.72	98	442572	47.56	ug/l	0.00
Spiked Amount			Recovery	=	95.12%	
62) 4-Bromofluorobenzene	11.14	95	157365	44.63	ug/l	0.00
Spiked Amount			Recovery	=	89.26%	

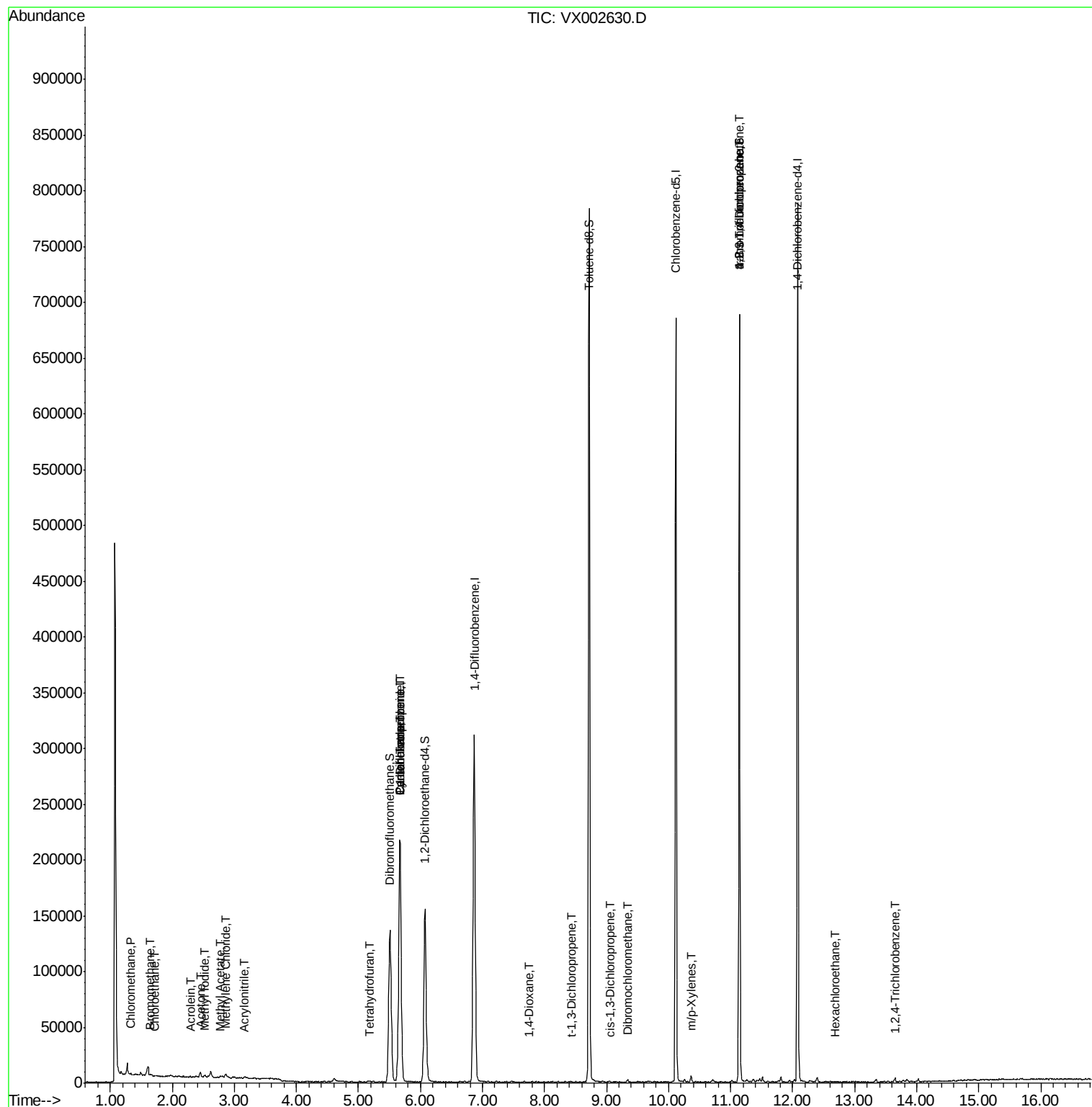
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	630	0.23	ug/l #	61
5) Bromomethane	1.65	94	750	0.44	ug/l #	59
6) Chloroethane	1.73	64	487	0.26	ug/l	94
10) Methyl Iodide	2.53	142	1888	5.67	ug/l	92
13) Acrolein	2.30	56	143	7.30	ug/l #	14
15) Acrylonitrile	3.15	53	514	0.35	ug/l #	78
16) Acetone	2.45	43	4407	3.07	ug/l	100
18) Methyl Acetate	2.78	43	1845	0.48	ug/l #	73
20) Methylene Chloride	2.86	84	1442	0.49	ug/l	87
29) Tetrahydrofuran	5.17	42	737	0.60	ug/l #	80
31) Cyclohexane	5.67	56	4842	1.26	ug/l #	22
36) 1,1-Dichloropropene	5.67	75	15184	4.66	ug/l #	51
38) Carbon Tetrachloride	5.67	117	20701	6.37	ug/l #	15
49) 1,4-Dioxane	7.75	88	20	0.34	ug/l #	22
53) t-1,3-Dichloropropene	8.43	75	150	2.43	ug/l #	43
54) cis-1,3-Dichloropropene	9.06	75	262	3.28	ug/l #	73
60) Dibromochloromethane	9.33	129	307	3.86	ug/l #	11
68) m/p-Xylenes	10.37	106	1329	0.29	ug/l	85
76) 1,2,3-Trichloropropane	11.14	75	83860	26.73	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.14	75	83860	82.55	ug/l #	7
90) Hexachloroethane	12.68	117	21	2.64	ug/l #	1
93) 1,2,4-Trichlorobenzene	13.65	180	894	0.22	ug/l	92

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

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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# 833

Delta R.T. -0.01 min

Lab File: VX002630.D

Acq: 16 Jun 2018 07:12

Instrument :

MSVOA_X

ClientSampleId :

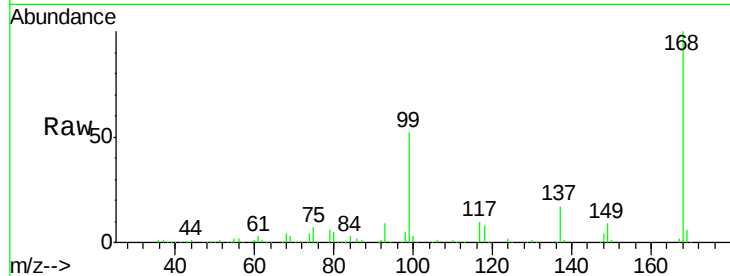
JAMAICA-TRIP-BLANK-3-6-11-18

Tot Ion:168 Resp: 214398

Ion Ratio Lower Upper

168 100

99 51.6 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

80000

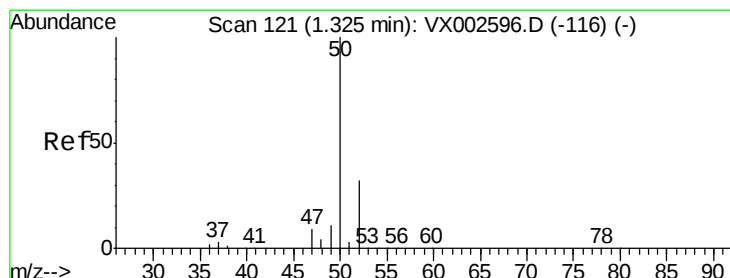
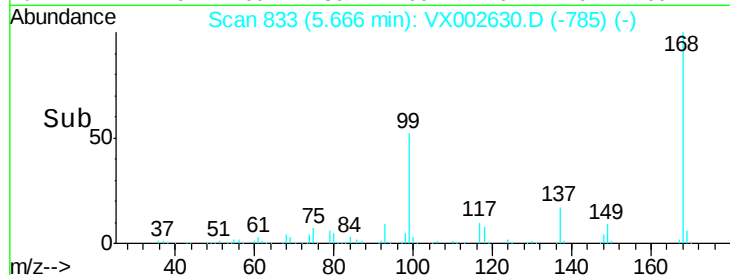
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.23 ug/l

RT: 1.33 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX002630.D

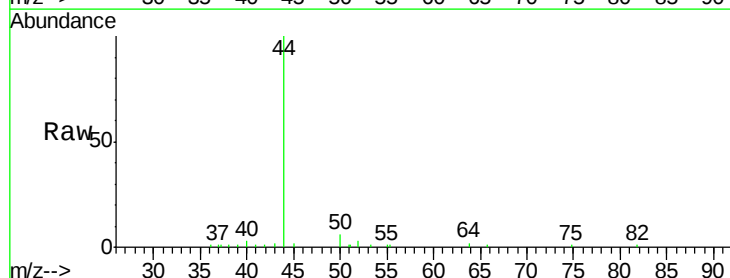
Acq: 16 Jun 2018 07:12

Tgt Ion: 50 Resp: 630

Ion Ratio Lower Upper

50 100

52 54.0 25.7 38.5#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

400

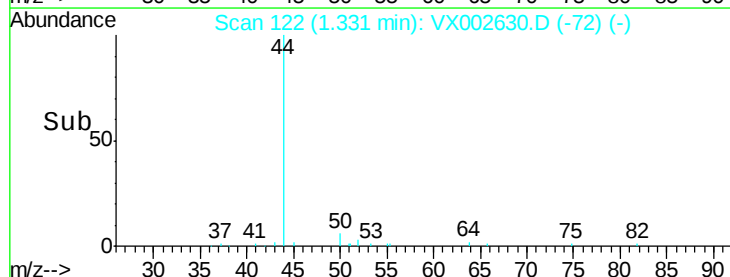
300

200

100

0

Time--> 1.30 1.35





#5

Bromomethane

Concen: 0.44 ug/l

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX002630.D

Acq: 16 Jun 2018 07:12

Instrument :

MSVOA_X

ClientSampleId :

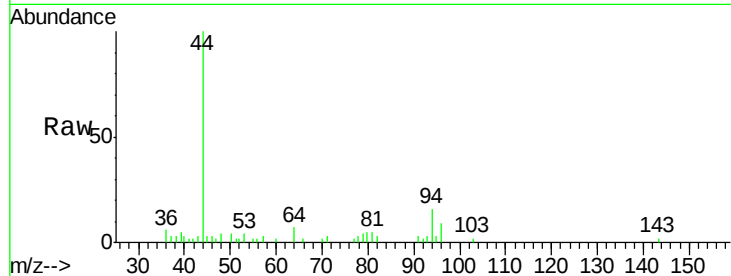
JAMAICA-TRIP-BLANK-3-6-11-18

Tot Ion: 94 Resp: 750

Ion Ratio Lower Upper

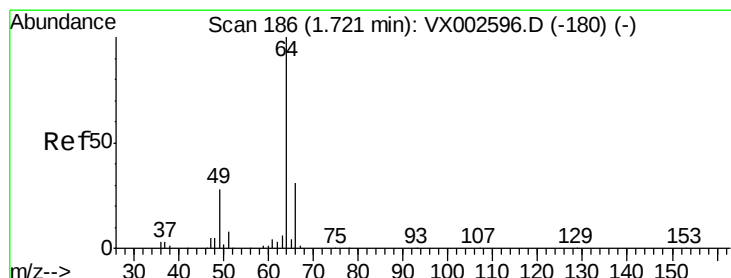
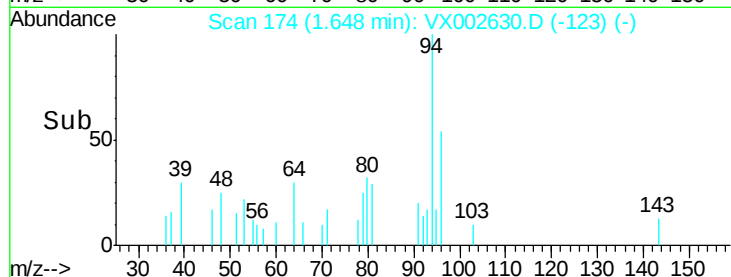
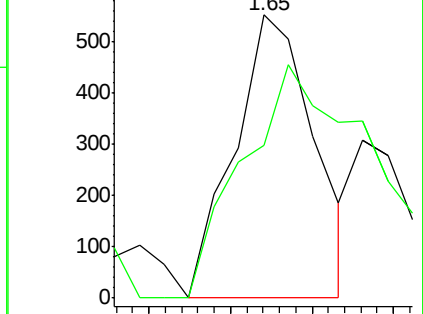
94 100

96 54.1 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: 0.26 ug/l

RT: 1.73 min Scan# 187

Delta R.T. 0.01 min

Lab File: VX002630.D

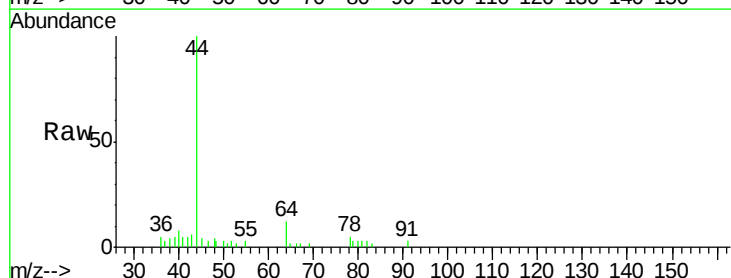
Acq: 16 Jun 2018 07:12

Tgt Ion: 64 Resp: 487

Ion Ratio Lower Upper

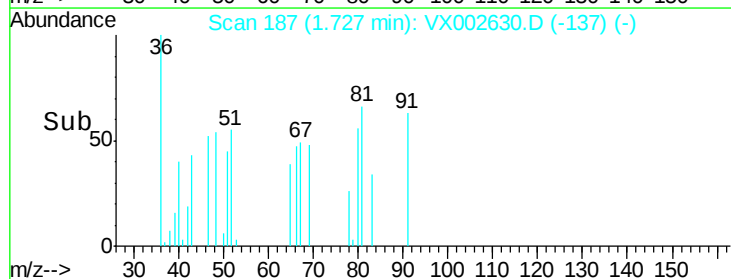
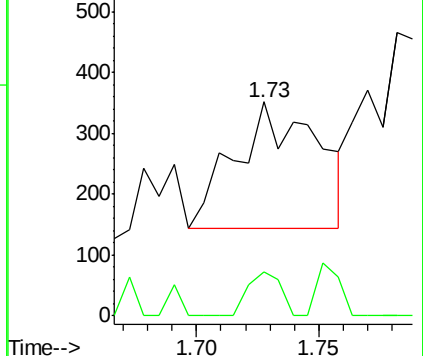
64 100

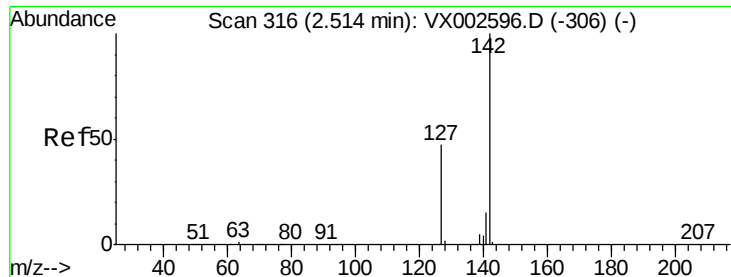
66 35.1 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

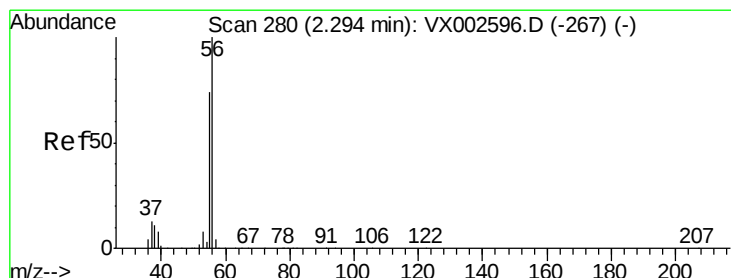
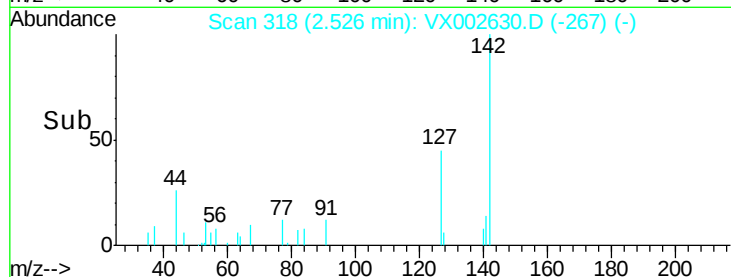
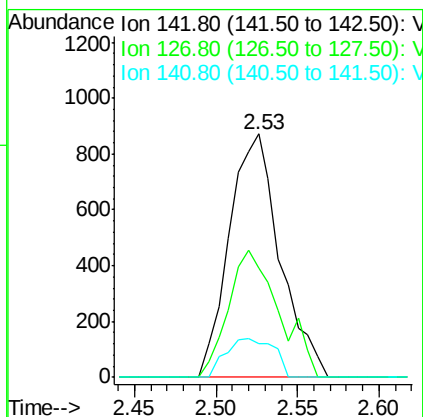
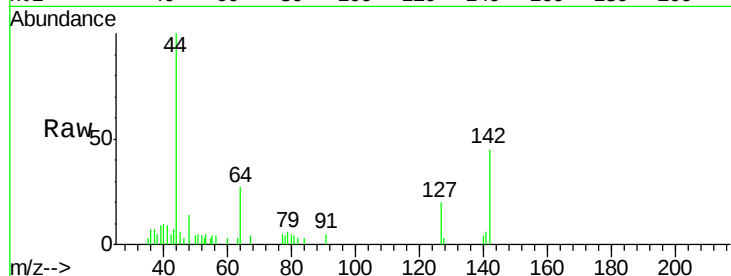




#10
Methvl Iodide
Concen: 5.67 ug/l
RT: 2.53 min Scan# 318
Delta R.T. 0.01 min
Lab File: VX002630.D
Acq: 16 Jun 2018 07:12

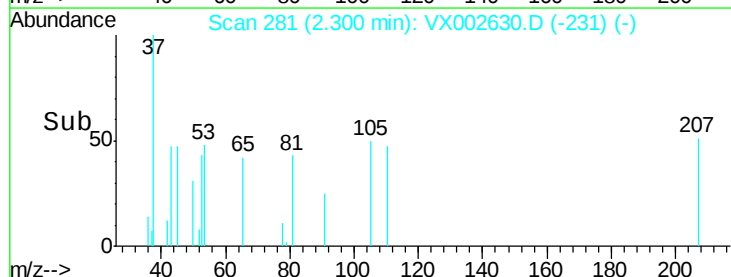
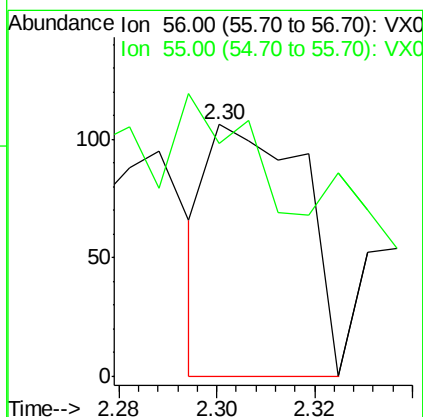
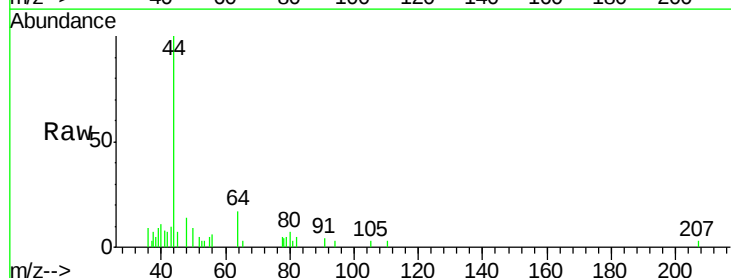
Instrument :
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JAMAICA-TRIP-BLANK-3-6-11-18

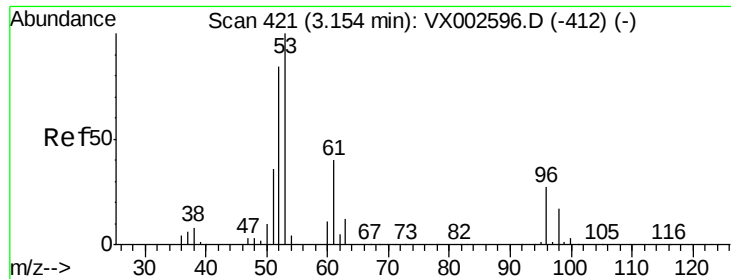
Tot Ion:142 Resp: 1888
Ion Ratio Lower Upper
142 100
127 52.4 36.6 55.0
141 15.1 11.3 16.9



#13
Acrolein
Concen: 7.30 ug/l
RT: 2.30 min Scan# 281
Delta R.T. 0.01 min
Lab File: VX002630.D
Acq: 16 Jun 2018 07:12

Tgt Ion: 56 Resp: 143
Ion Ratio Lower Upper
56 100
55 0.0 57.0 85.4#

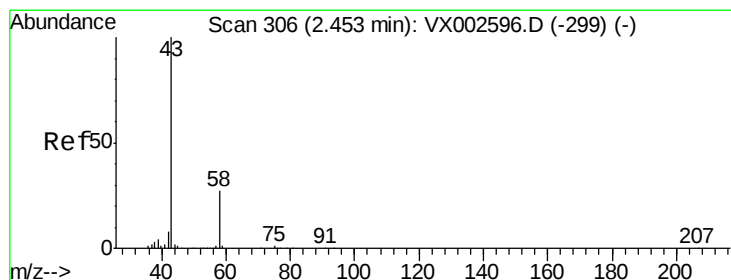
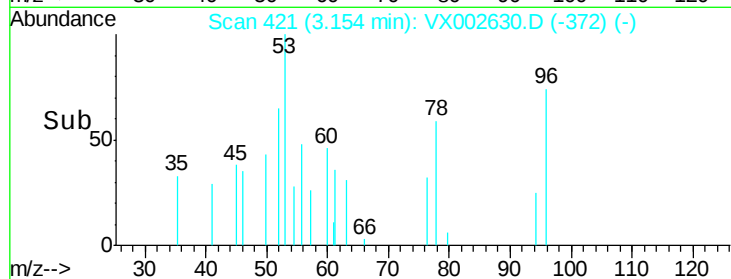
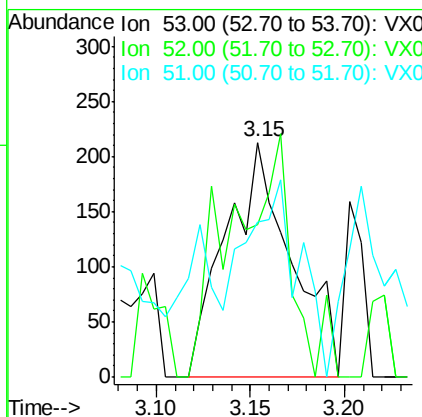
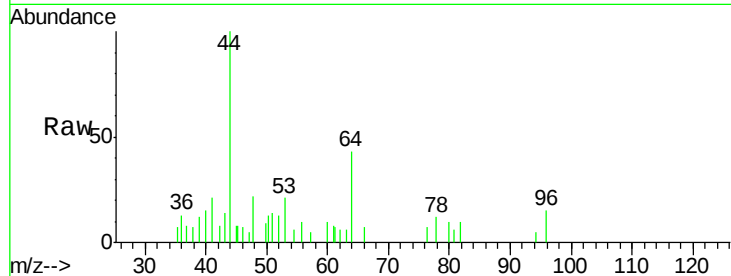




#15
 Acrylonitrile
 Concen: 0.35 ug/l
 RT: 3.15 min Scan# 421
 Delta R.T. 0.00 min
 Lab File: VX002630.D
 Acq: 16 Jun 2018 07:12

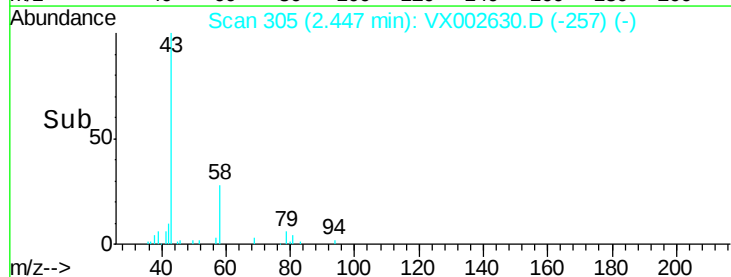
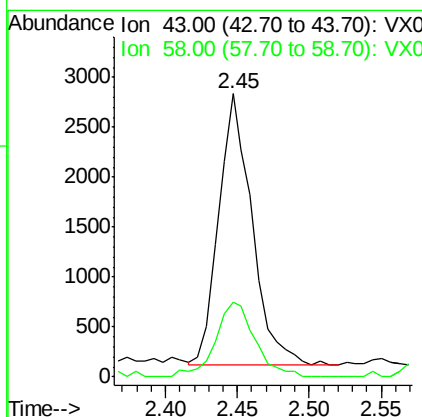
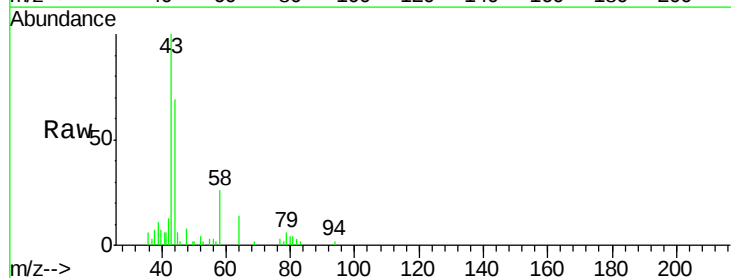
Instrument :
 MSVOA_X
 ClientSampleId :
 JAMAICA-TRIP-BLANK-3-6-11-18

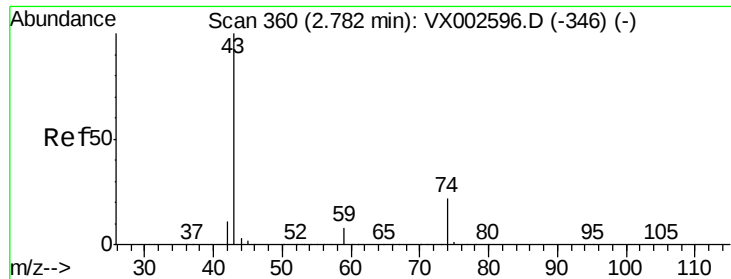
Tot Ion: 53 Resp: 514
 Ion Ratio Lower Upper
 53 100
 52 90.3 66.7 100.1
 51 69.3 29.9 44.9#



#16
 Acetone
 Concen: 3.07 ug/l
 RT: 2.45 min Scan# 305
 Delta R.T. -0.01 min
 Lab File: VX002630.D
 Acq: 16 Jun 2018 07:12

Tgt Ion: 43 Resp: 4407
 Ion Ratio Lower Upper
 43 100
 58 27.4 22.1 33.1

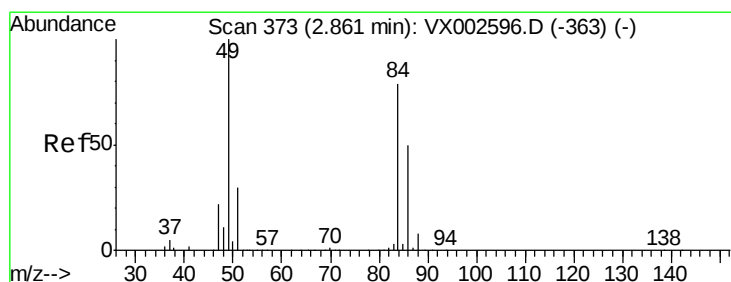
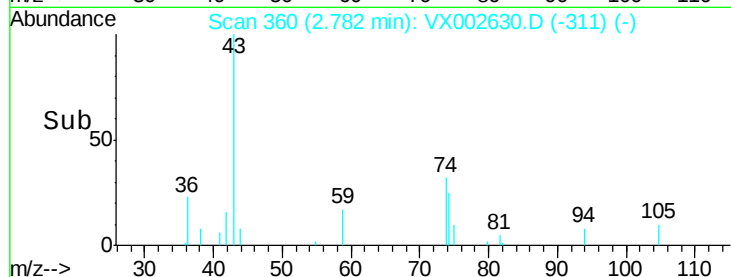
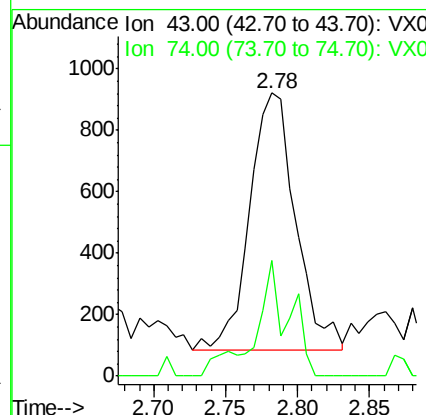
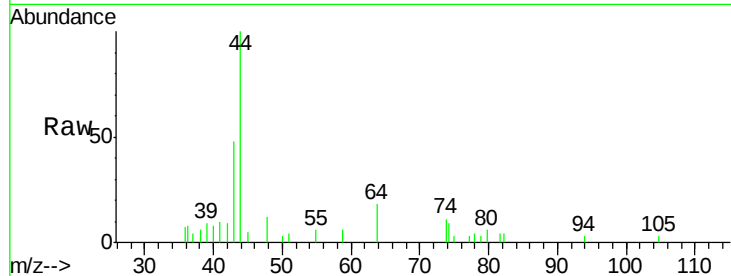




#18
Methvl Acetate
Concen: 0.48 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX002630.D
Acq: 16 Jun 2018 07:12

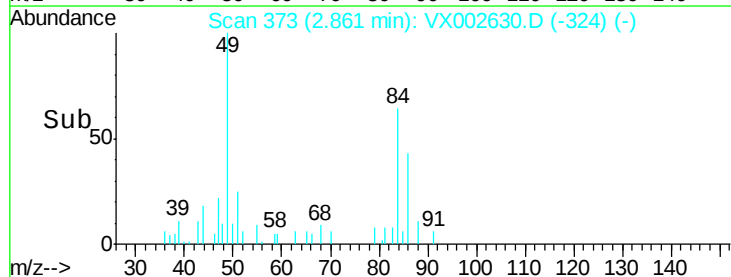
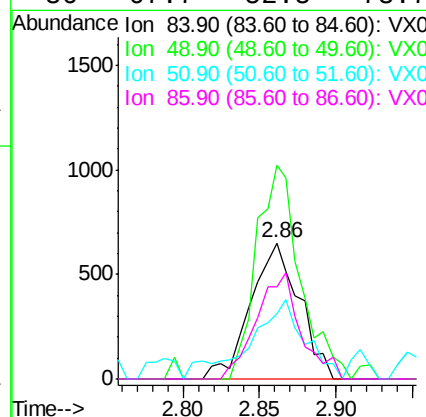
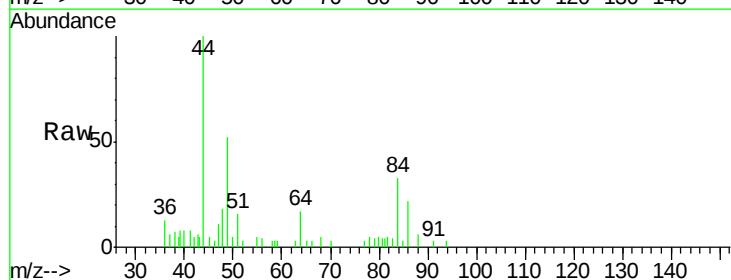
Instrument :
MSVOA_X
ClientSampleId :
JAMAICA-TRIP-BLANK-3-6-11-18

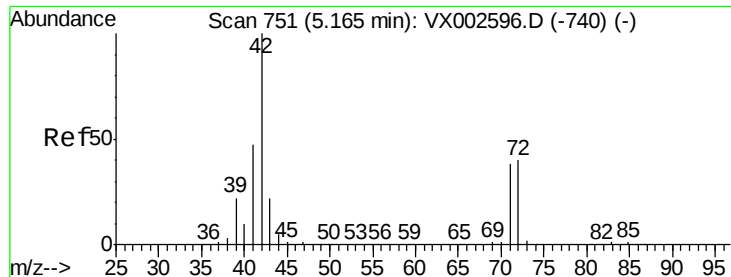
Tot Ion: 43 Resp: 1845
Ion Ratio Lower Upper
43 100
74 33.4 16.7 25.1#



#20
Methylene Chloride
Concen: 0.49 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX002630.D
Acq: 16 Jun 2018 07:12

Tgt Ion: 84 Resp: 1442
Ion Ratio Lower Upper
84 100
49 157.2 107.8 161.6
51 48.2 32.8 49.2
86 67.7 52.5 78.7





#29

Tetrahydrofuran

Concen: 0.60 ug/l

RT: 5.17 min Scan# 752

Delta R.T. 0.01 min

Lab File: VX002630.D

Acq: 16 Jun 2018 07:12

Instrument :

MSVOA_X

ClientSampleId :

JAMAICA-TRIP-BLANK-3-6-11-18

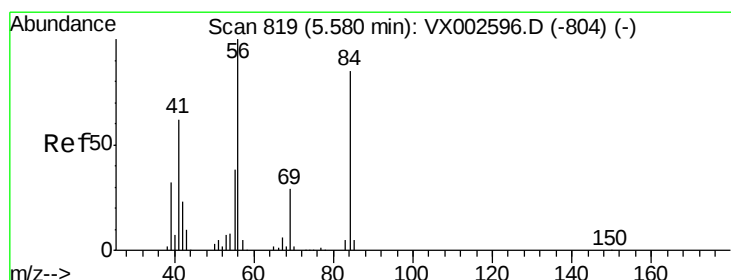
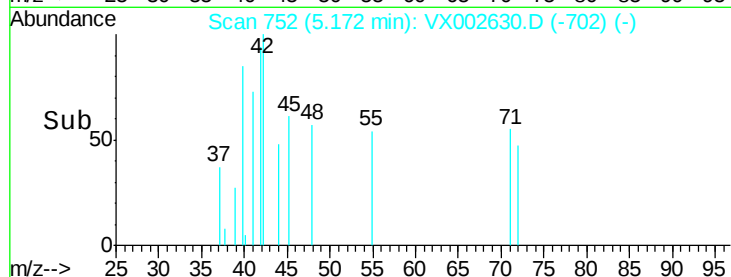
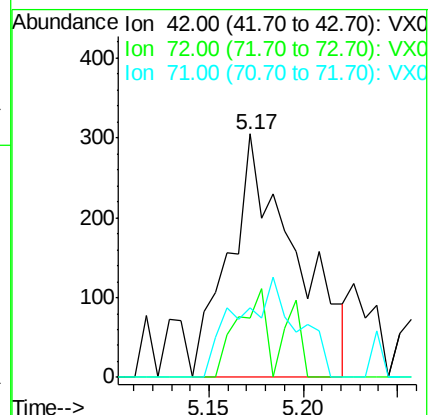
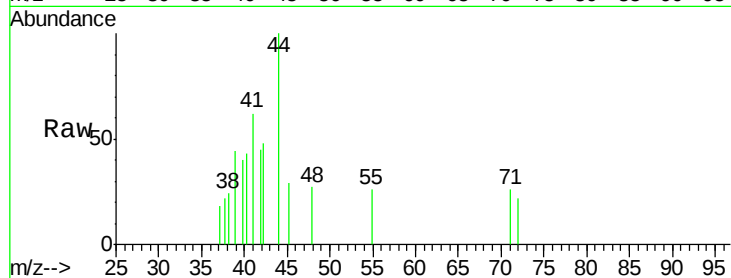
Tot Ion: 42 Resp: 737

Ion Ratio Lower Upper

42 100

72 15.7 32.0 48.0#

71 37.6 30.1 45.1



#31

Cyclohexane

Concen: 1.26 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.09 min

Lab File: VX002630.D

Acq: 16 Jun 2018 07:12

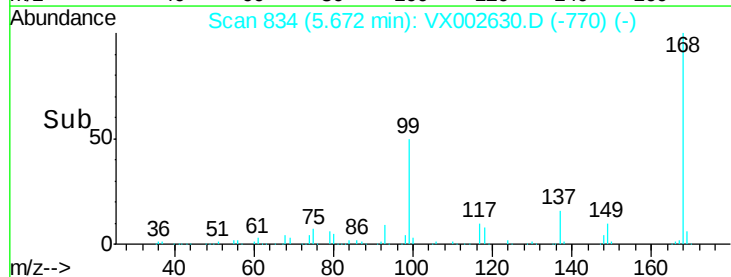
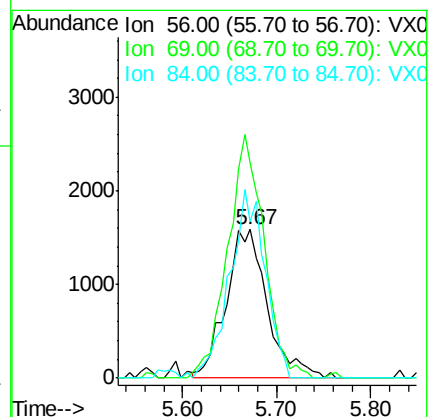
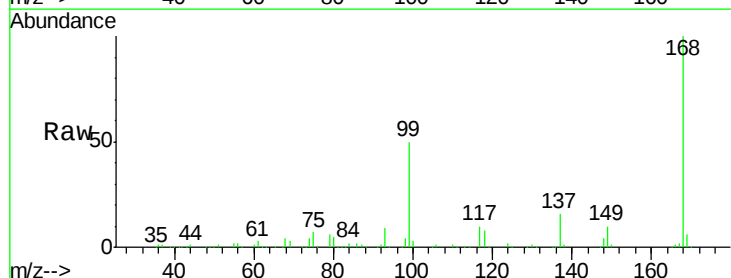
Tgt Ion: 56 Resp: 4842

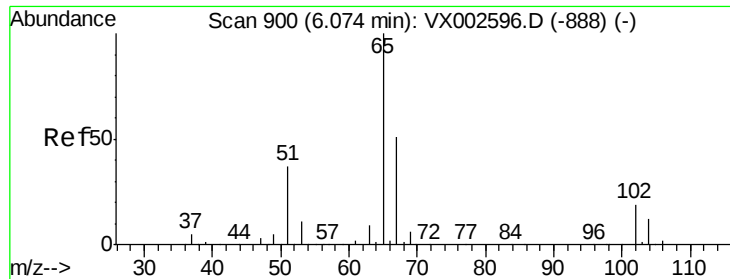
Ion Ratio Lower Upper

56 100

69 145.1 23.7 35.5#

84 104.9 64.1 96.1#





#33

1,2-Dichloroethane-d4

Concen: 44.68 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.00 min

Lab File: VX002630.D

Acq: 16 Jun 2018 07:12

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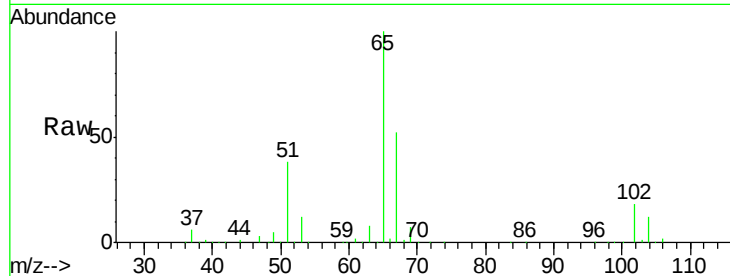
JAMAICA-TRIP-BLANK-3-6-11-18

Tot Ion: 65 Resp: 145566

Ion Ratio Lower Upper

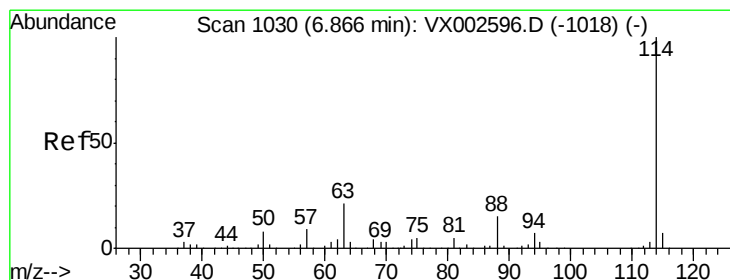
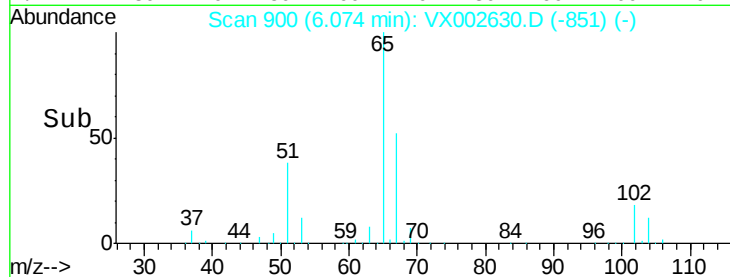
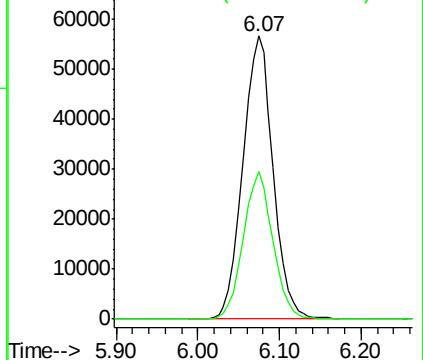
65 100

67 51.2 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: VX002630.D

Acq: 16 Jun 2018 07:12

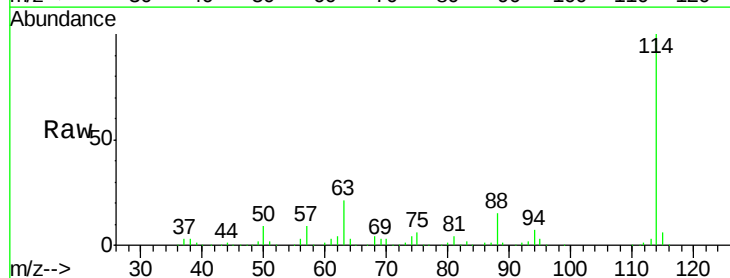
Tgt Ion: 114 Resp: 307076

Ion Ratio Lower Upper

114 100

63 20.6 0.0 41.4

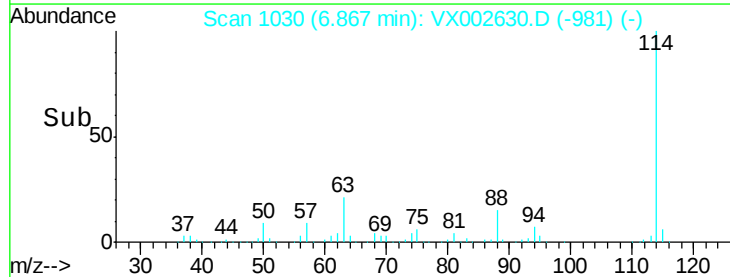
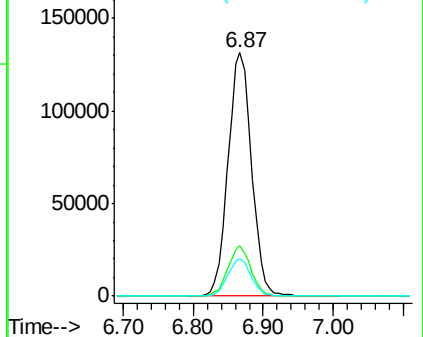
88 15.2 0.0 30.0

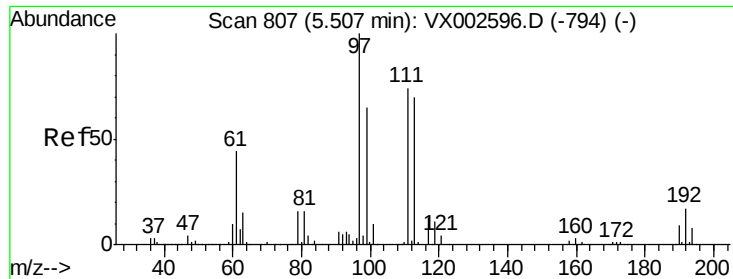


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 45.49 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.00 min

Lab File: VX002630.D

Acq: 16 Jun 2018 07:12

Instrument :

MSVOA_X

ClientSampleId :

JAMAICA-TRIP-BLANK-3-6-11-18

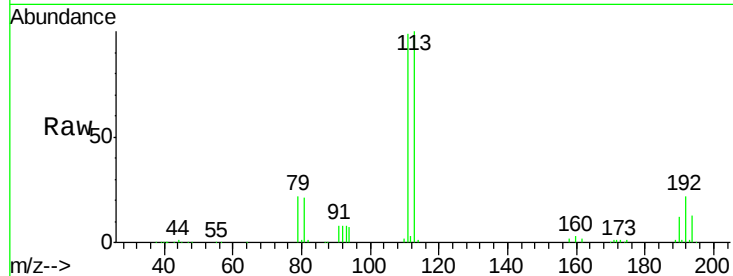
Tot Ion:113 Resp: 111485

Ion Ratio Lower Upper

113 100

111 102.6 81.4 122.0

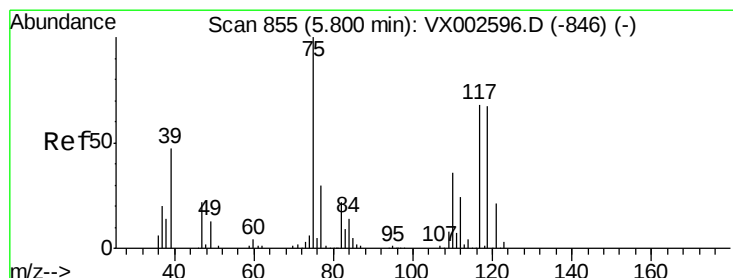
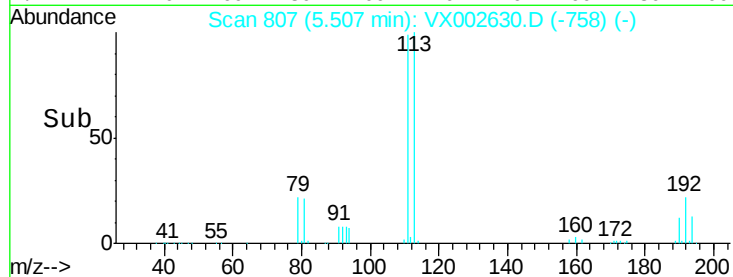
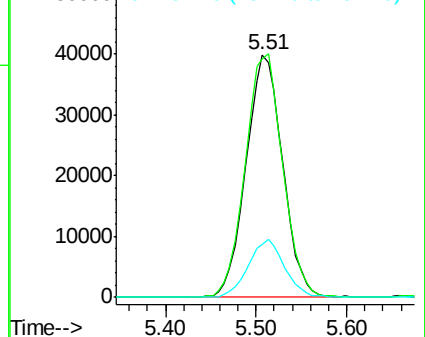
192 23.5 19.1 28.7



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: 4.66 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.13 min

Lab File: VX002630.D

Acq: 16 Jun 2018 07:12

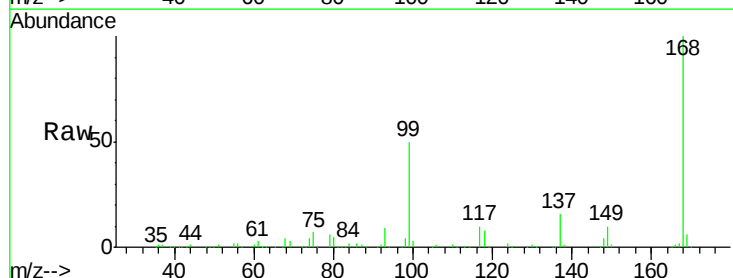
Tgt Ion: 75 Resp: 15184

Ion Ratio Lower Upper

75 100

110 10.9 18.1 54.4#

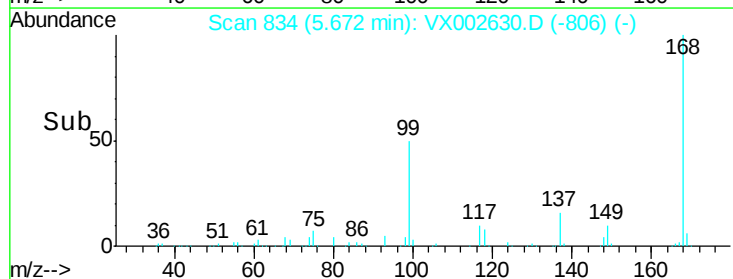
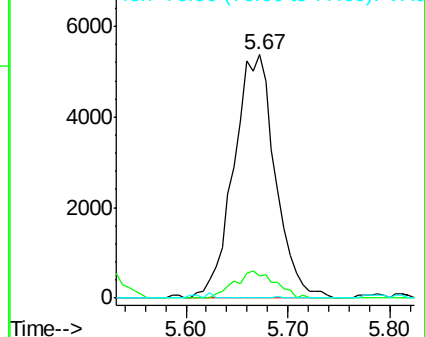
77 0.0 24.3 36.5#

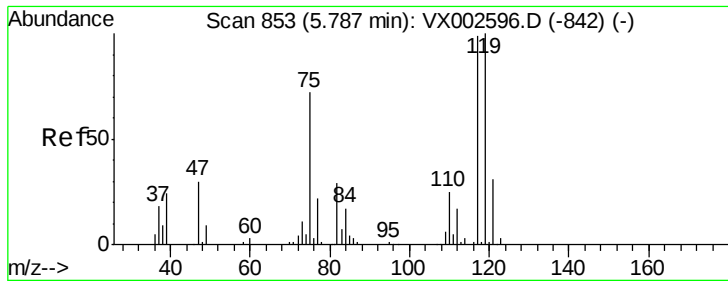


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.37 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.12 min

Lab File: VX002630.D

Acq: 16 Jun 2018 07:12

Instrument :

MSVOA_X

ClientSampleId :

JAMAICA-TRIP-BLANK-3-6-11-18

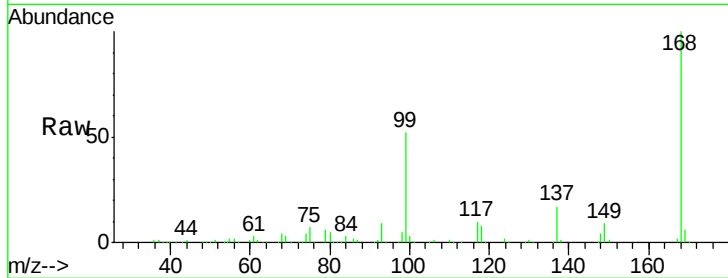
Tot Ion:117 Resp: 20701

Ion Ratio Lower Upper

117 100

119 4.3 77.4 116.0#

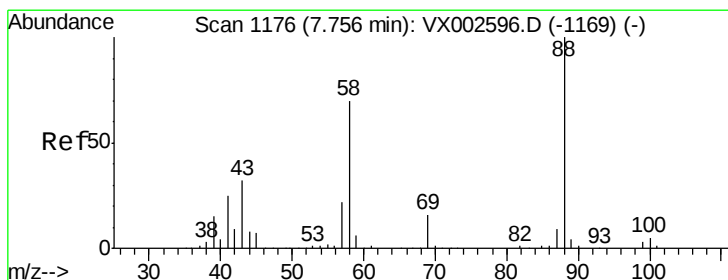
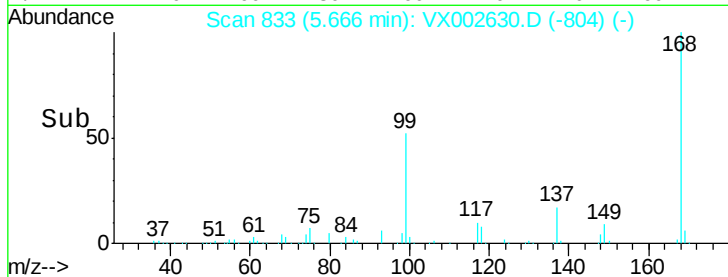
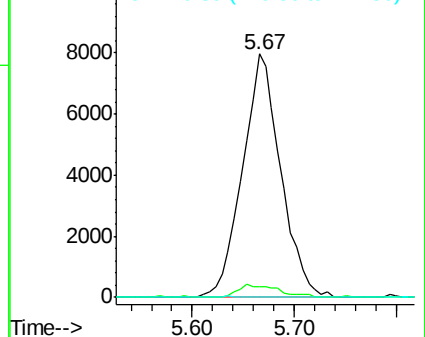
121 0.0 24.4 36.6#



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: 0.34 ug/l

RT: 7.75 min Scan# 1175

Delta R.T. -0.01 min

Lab File: VX002630.D

Acq: 16 Jun 2018 07:12

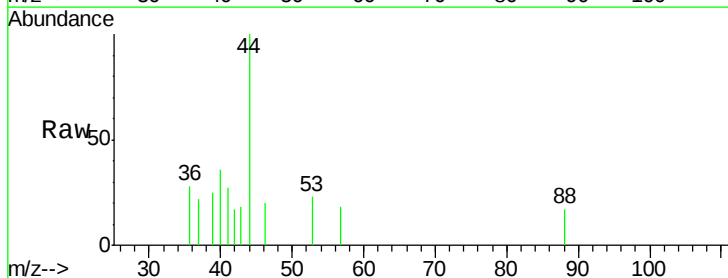
Tgt Ion: 88 Resp: 20

Ion Ratio Lower Upper

88 100

43 0.0 29.8 44.6#

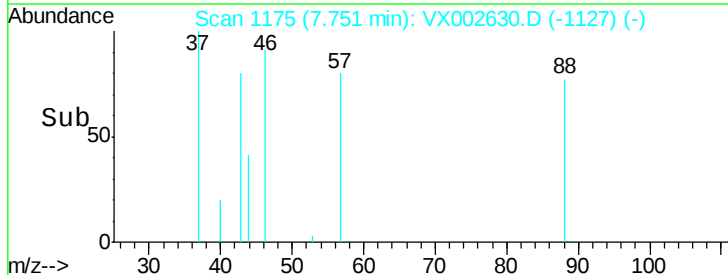
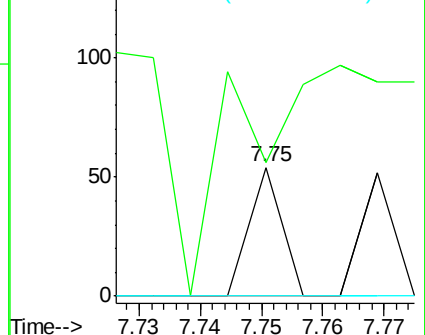
58 0.0 57.1 85.7#

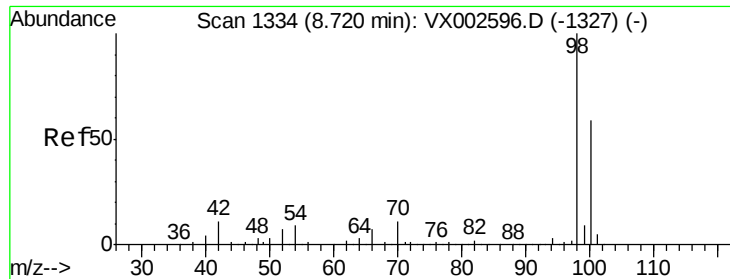


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 47.56 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX002630.D

Acq: 16 Jun 2018 07:12

Instrument :

MSVOA_X

ClientSampleId :

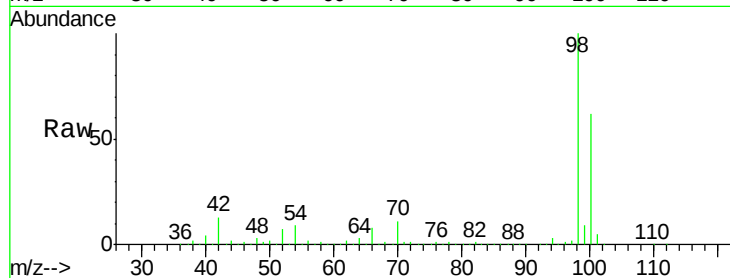
JAMAICA-TRIP-BLANK-3-6-11-18

Tot Ion: 98 Resp: 442572

Ion Ratio Lower Upper

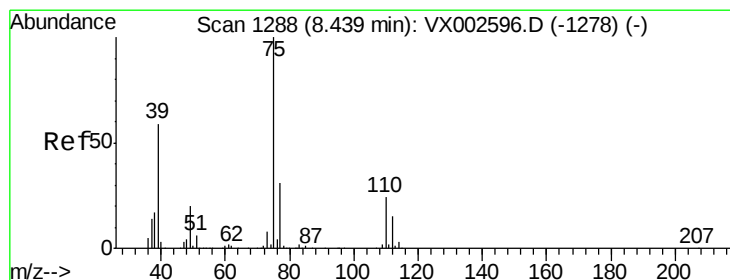
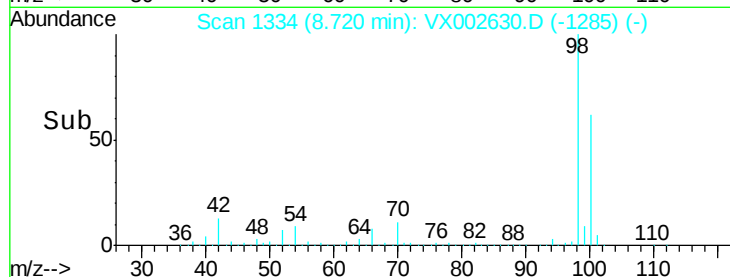
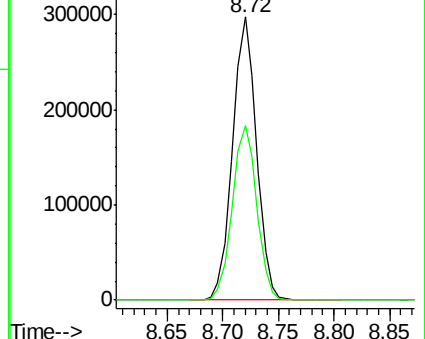
98 100

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): VX



#53

t-1,3-Dichloropropene

Concen: 2.43 ug/l

RT: 8.43 min Scan# 1287

Delta R.T. -0.01 min

Lab File: VX002630.D

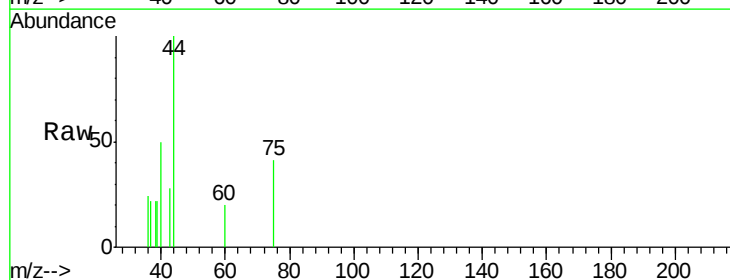
Acq: 16 Jun 2018 07:12

Tgt Ion: 75 Resp: 150

Ion Ratio Lower Upper

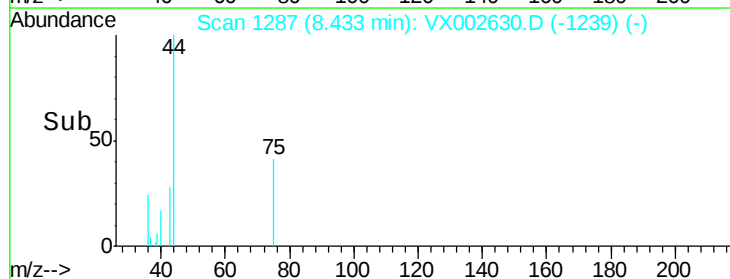
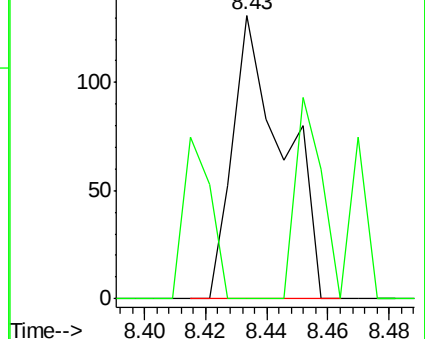
75 100

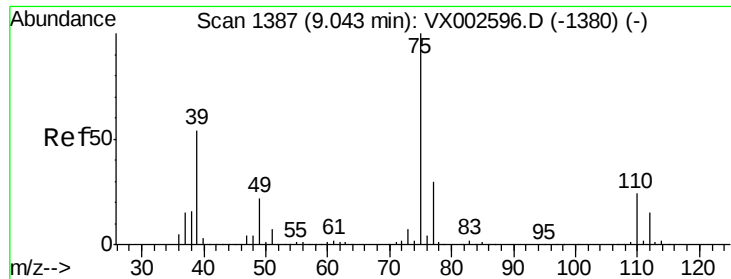
77 0.0 25.4 38.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



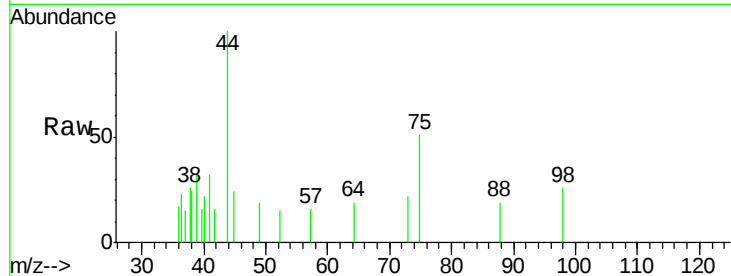


#54

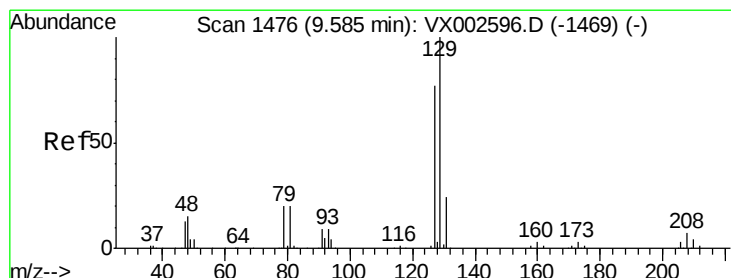
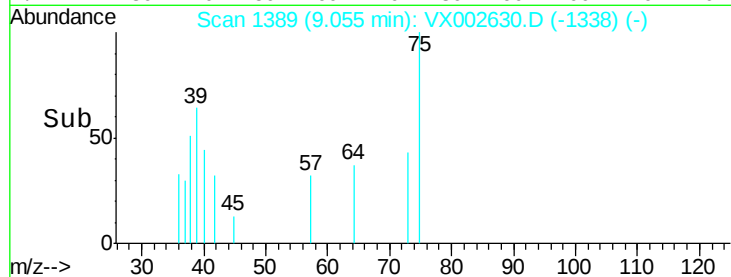
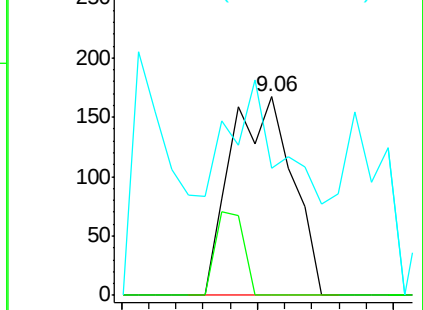
cis-1,3-Dichloropropene
 Concen: 3.28 ug/l
 RT: 9.06 min Scan# 1389
 Delta R.T. 0.01 min
 Lab File: VX002630.D
 Acq: 16 Jun 2018 07:12

Instrument :
 MSVOA_X
 ClientSampleId :
 JAMAICA-TRIP-BLANK-3-6-11-18

Tot Ion: 75 Resp: 262
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.8 37.2#
 39 45.5 42.4 63.6



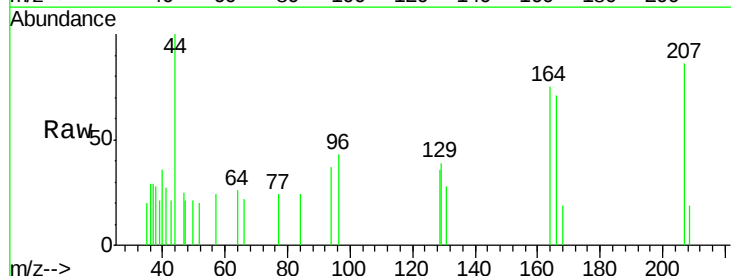
Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 76.90 (76.60 to 77.60): VX0
 Ion 39.00 (38.70 to 39.70): VX0



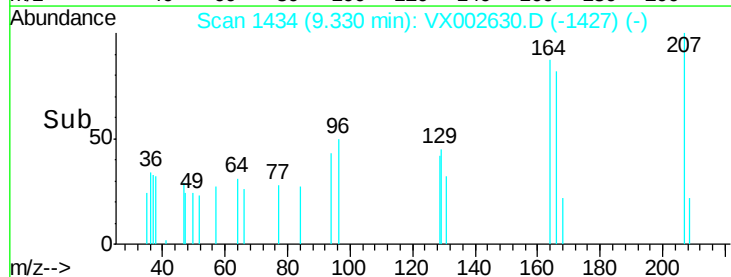
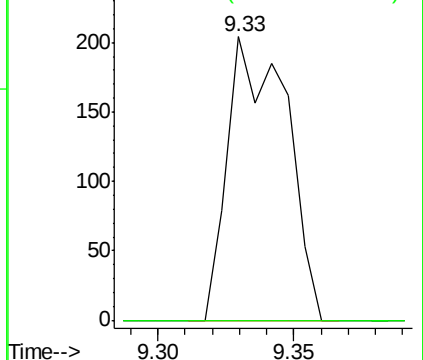
#60

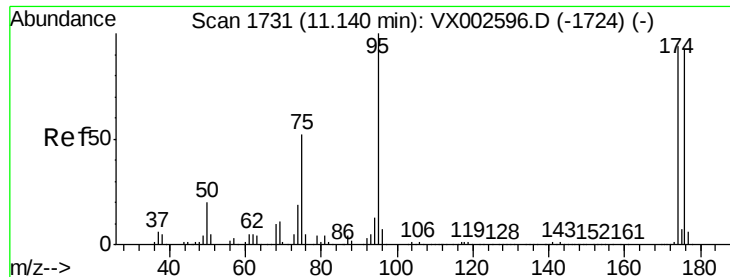
Dibromochloromethane
 Concen: 3.86 ug/l
 RT: 9.33 min Scan# 1434
 Delta R.T. -0.26 min
 Lab File: VX002630.D
 Acq: 16 Jun 2018 07:12

Tgt Ion: 129 Resp: 307
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.5 115.3#



Abundance Ion 128.80 (128.50 to 129.50): V
 Ion 126.80 (126.50 to 127.50): V





#62

4-Bromofluorobenzene

Concen: 44.63 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX002630.D

Acq: 16 Jun 2018 07:12

Instrument :

MSVOA_X

ClientSampleId :

JAMAICA-TRIP-BLANK-3-6-11-18

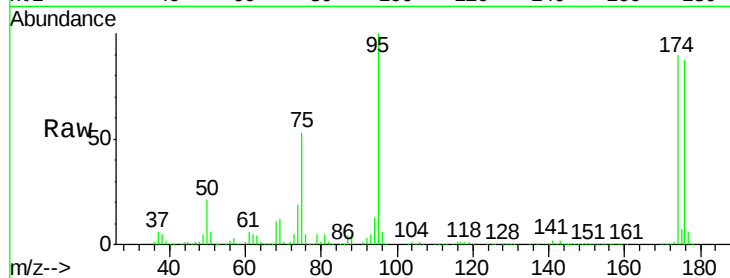
Tot Ion: 95 Resp: 157365

Ion Ratio Lower Upper

95 100

174 95.1 0.0 187.4

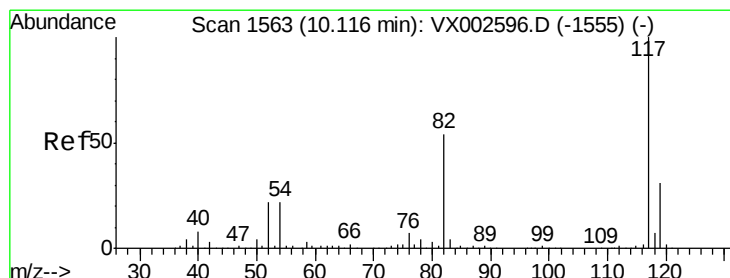
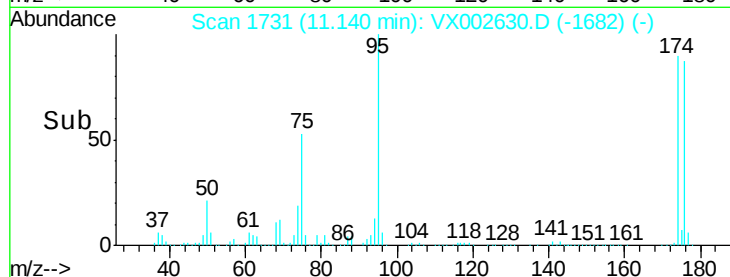
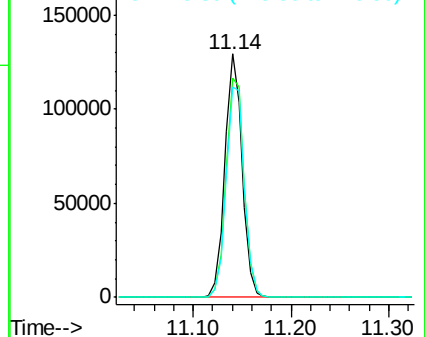
176 91.9 0.0 181.0



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: VX002630.D

Acq: 16 Jun 2018 07:12

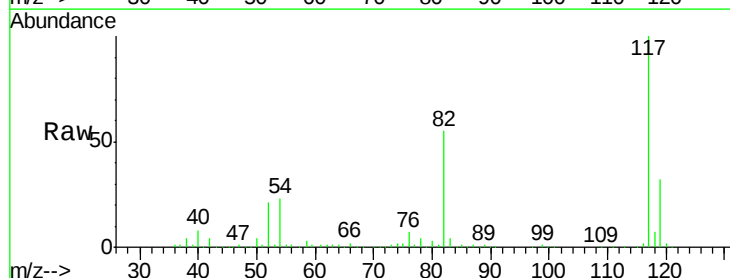
Tgt Ion: 117 Resp: 289797

Ion Ratio Lower Upper

117 100

82 55.2 45.0 67.4

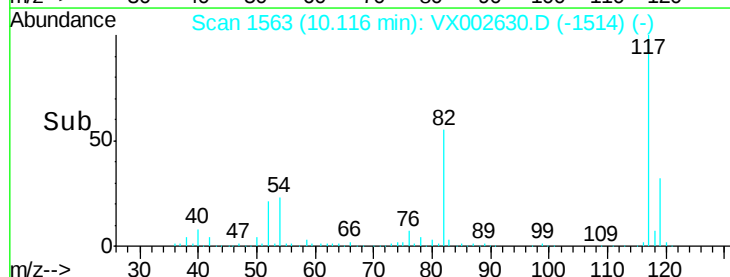
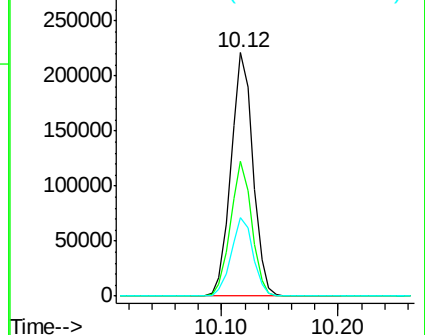
119 32.2 25.8 38.6

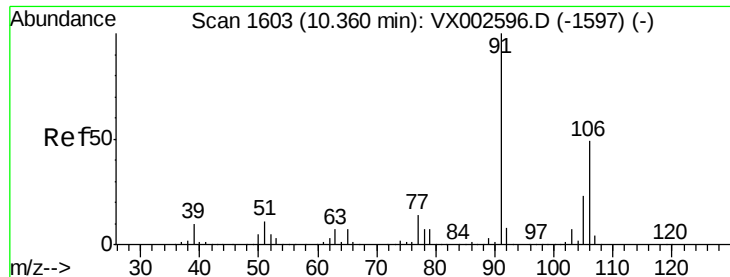


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V

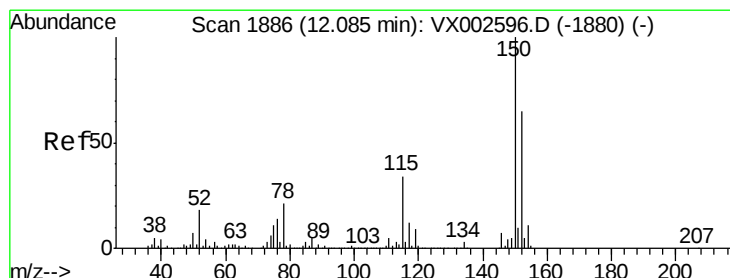
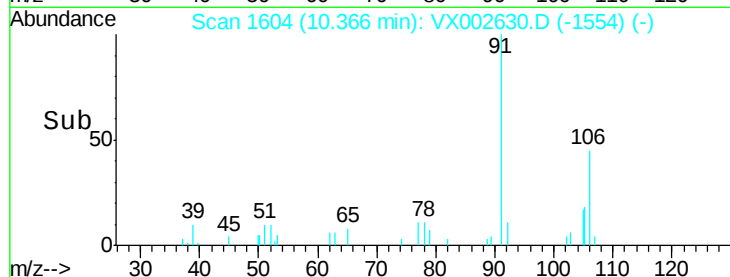
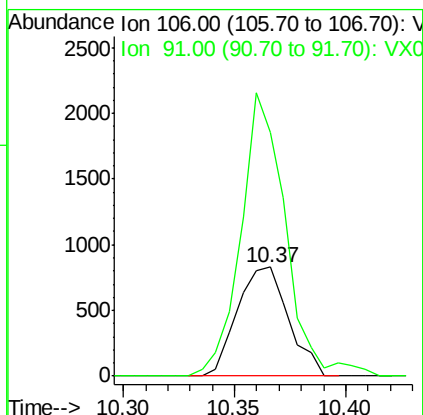
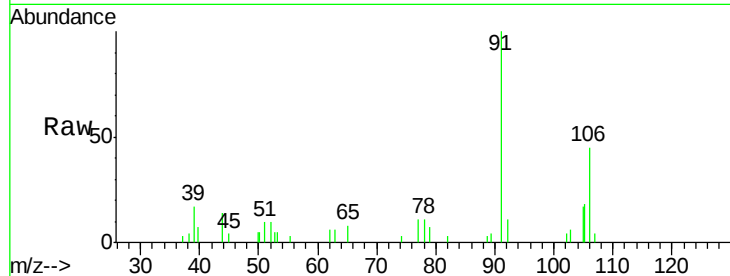




#68
m/p-Xvlenes
Concen: 0.29 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. 0.01 min
Lab File: VX002630.D
Acq: 16 Jun 2018 07:12

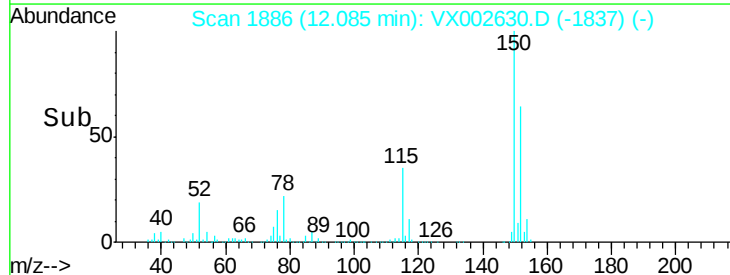
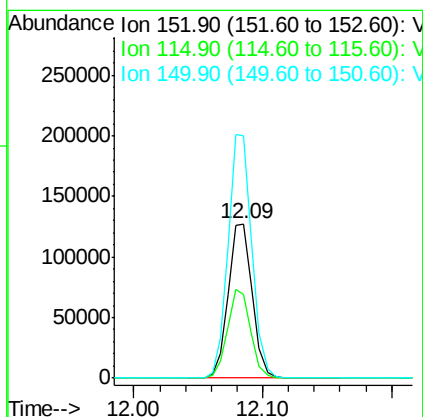
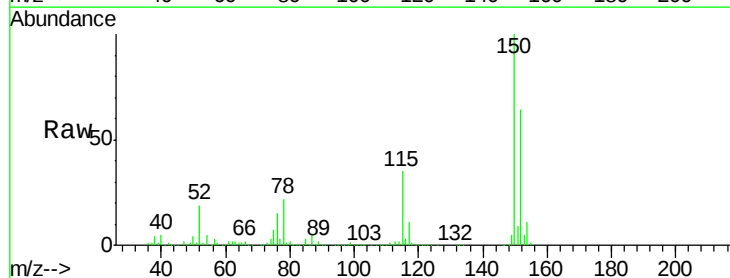
Instrument :
MSVOA_X
ClientSampleId :
JAMAICA-TRIP-BLANK-3-6-11-18

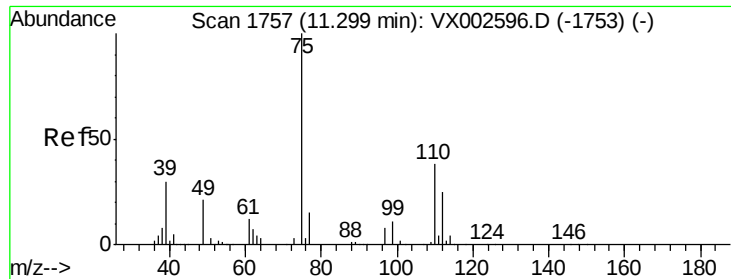
Tot Ion:106 Resp: 1329
Ion Ratio Lower Upper
106 100
91 227.3 163.4 245.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX002630.D
Acq: 16 Jun 2018 07:12

Tgt Ion:152 Resp: 166283
Ion Ratio Lower Upper
152 100
115 55.6 40.1 120.2
150 157.0 0.0 347.2





#76

1,2,3-Trichloropropane

Concen: 26.73 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX002630.D

Acq: 16 Jun 2018 07:12

Instrument :

MSVOA_X

ClientSampleId :

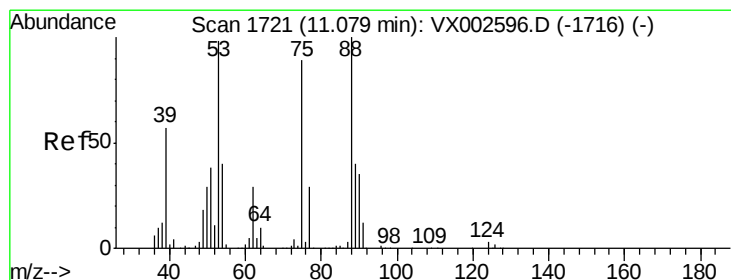
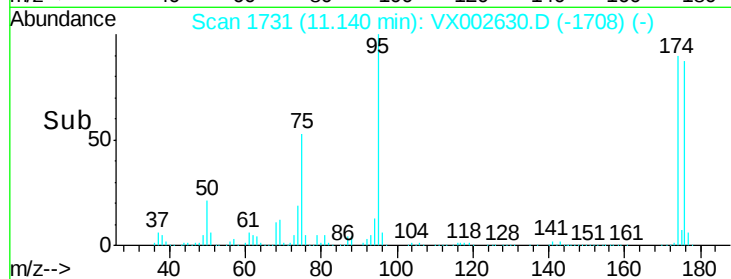
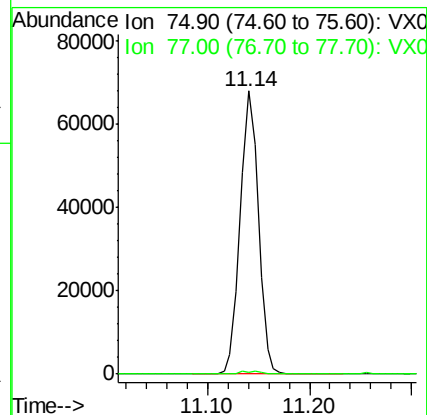
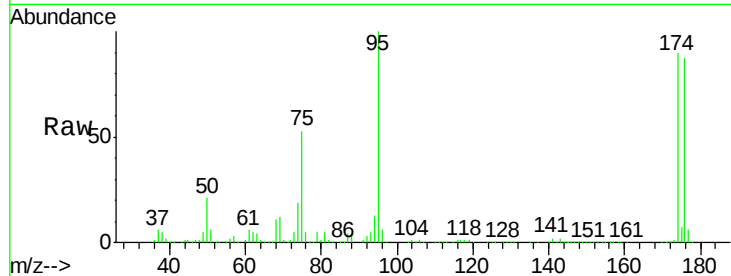
JAMAICA-TRIP-BLANK-3-6-11-18

Tot Ion: 75 Resp: 83860

Ion Ratio Lower Upper

75 100

77 1.2 22.8 68.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 82.55 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX002630.D

Acq: 16 Jun 2018 07:12

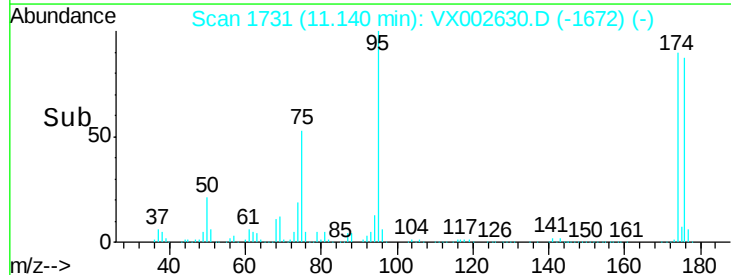
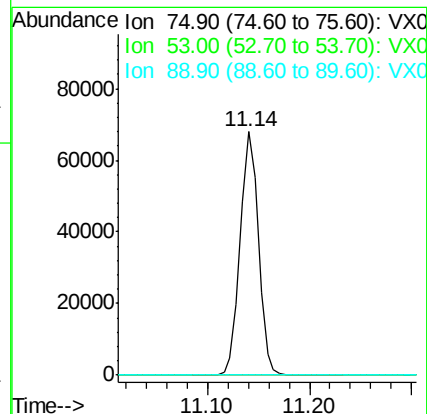
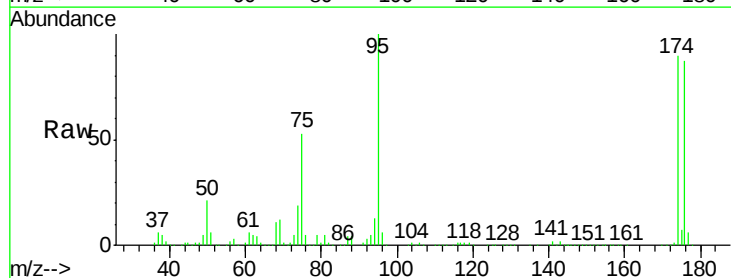
Tgt Ion: 75 Resp: 83860

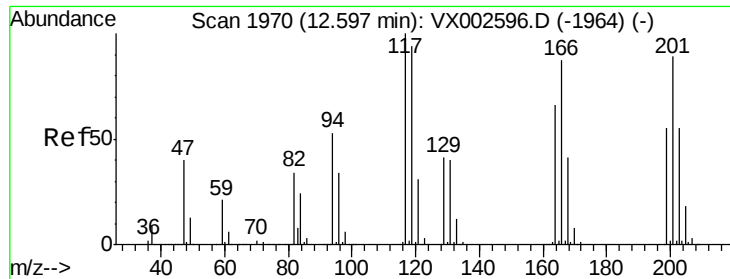
Ion Ratio Lower Upper

75 100

53 0.1 86.8 130.2#

89 0.0 38.2 57.2#





#90

Hexachloroethane

Concen: 2.64 ug/l

RT: 12.68 min Scan# 1984

Delta R.T. 0.09 min

Lab File: VX002630.D

Acq: 16 Jun 2018 07:12

Instrument :

MSVOA_X

ClientSampleId :

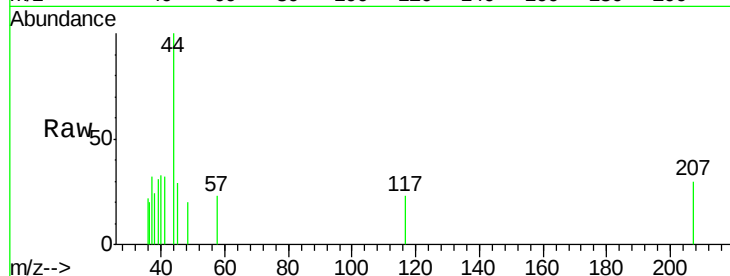
JAMAICA-TRIP-BLANK-3-6-11-18

Tot Ion:117 Resp: 21

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

12.68

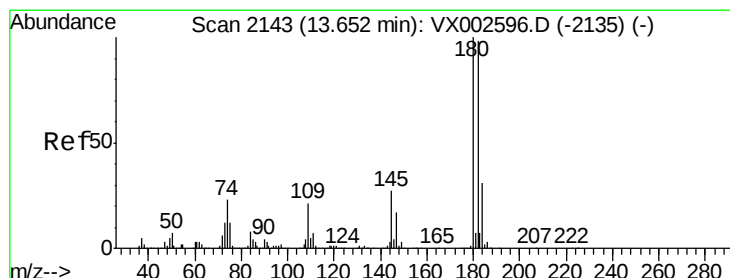
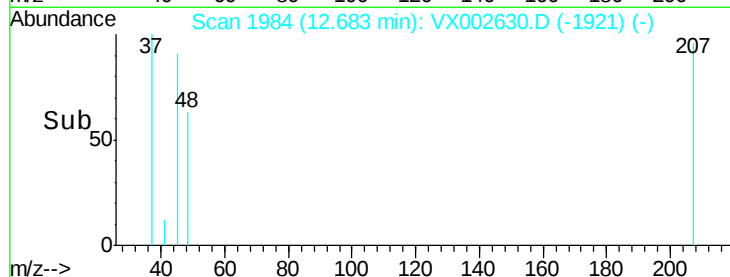
60

40

20

0

Time--> 12.66 12.68 12.70



#93

1,2,4-Trichlorobenzene

Concen: 0.22 ug/l

RT: 13.65 min Scan# 2143

Delta R.T. 0.00 min

Lab File: VX002630.D

Acq: 16 Jun 2018 07:12

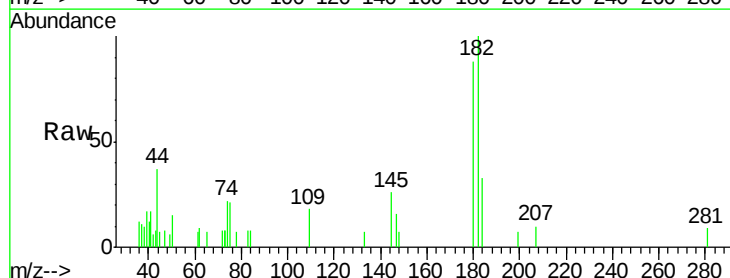
Tgt Ion:180 Resp: 894

Ion Ratio Lower Upper

180 100

182 105.0 47.7 143.1

145 27.9 14.1 42.4



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

13.65

1000

800

600

400

200

0

Time--> 13.60 13.65

