

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061518\
 Data File : VX002612.D
 Acq On : 15 Jun 2018 22:22
 Operator : JC/MD
 Sample : J3516-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TRIP-BLANK

Quant Time: Jun 15 23:53:42 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061518W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 15 14:54:36 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	209744	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	303465	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	280336	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	155943	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	147365	46.23	ug/l	0.00
Spiked Amount			Recovery	=	92.46%	
35) Dibromofluoromethane	5.51	113	110150	45.48	ug/l	0.00
Spiked Amount			Recovery	=	90.96%	
50) Toluene-d8	8.72	98	432146	46.99	ug/l	0.00
Spiked Amount			Recovery	=	93.98%	
62) 4-Bromofluorobenzene	11.14	95	148658	42.66	ug/l	0.00
Spiked Amount			Recovery	=	85.32%	

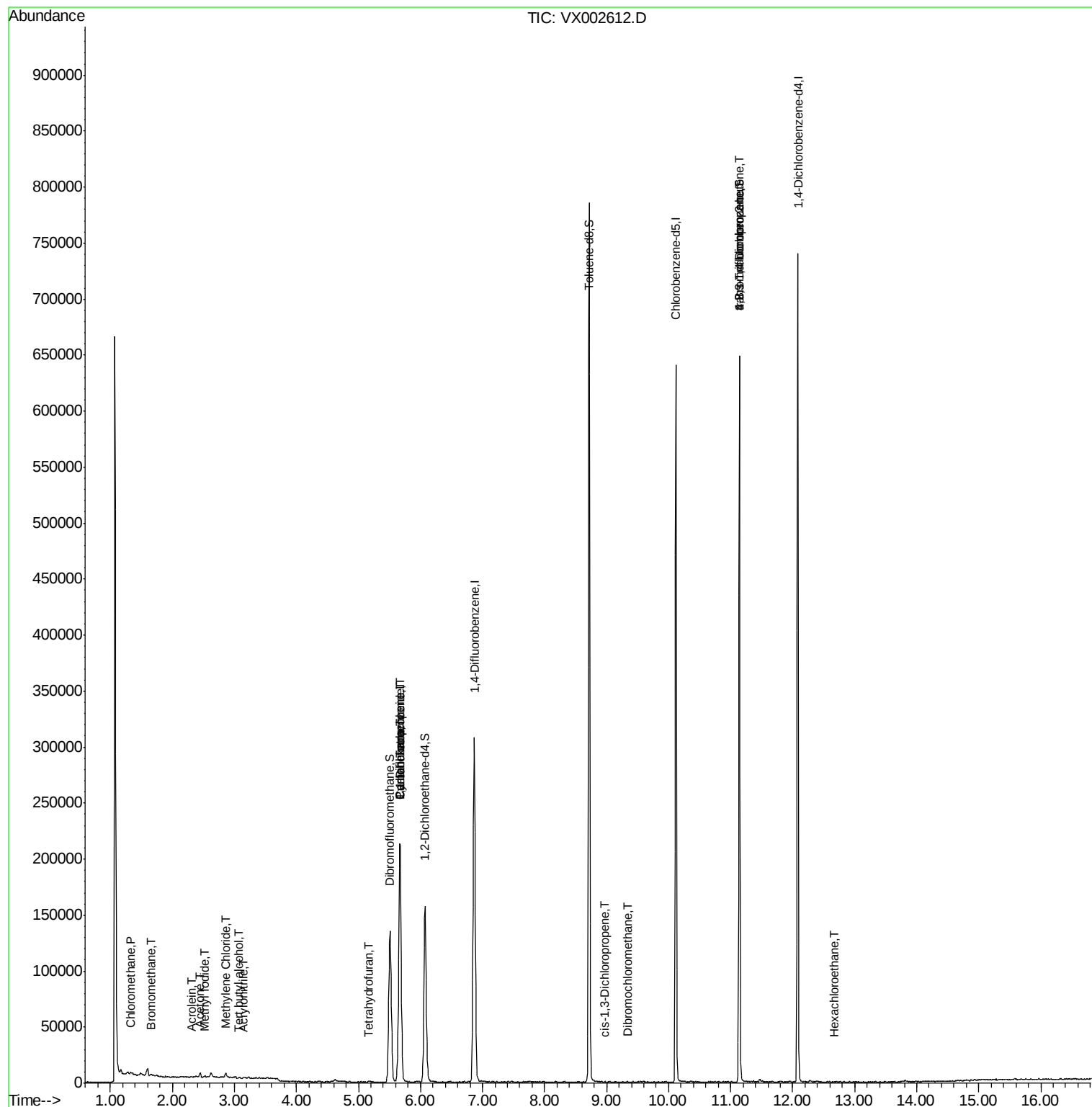
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	947	0.36	ug/l #	86
5) Bromomethane	1.67	94	1064	0.64	ug/l	86
10) Methyl Iodide	2.52	142	1204	5.50	ug/l	98
11) Tert butyl alcohol	3.07	59	347	0.53	ug/l #	37
13) Acrolein	2.30	56	214	7.54	ug/l	96
15) Acrylonitrile	3.15	53	332	0.23	ug/l #	64
16) Acetone	2.45	43	4392	3.12	ug/l	95
20) Methylene Chloride	2.86	84	1348	0.47	ug/l #	79
29) Tetrahydrofuran	5.17	42	286	0.24	ug/l #	87
31) Cyclohexane	5.67	56	4491	1.19	ug/l #	4
36) 1,1-Dichloropropene	5.67	75	14966	4.64	ug/l #	51
38) Carbon Tetrachloride	5.67	117	19921	6.21	ug/l #	16
54) cis-1,3-Dichloropropene	8.98	75	25	3.22	ug/l #	62
60) Dibromochloromethane	9.34	129	25	3.77	ug/l #	11
76) 1,2,3-Trichloropropane	11.14	75	80366	27.31	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.14	75	80366	84.26	ug/l #	6
90) Hexachloroethane	12.68	117	25	2.64	ug/l #	1

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

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Quant Time: Jun 15 23:53:42 2018
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Quant Title : SW846 8260
QLast Update : Fri Jun 15 14:54:36 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: VX002612.D

Acq: 15 Jun 2018 22:22

Instrument :

MSVOA_X

ClientSampleId :

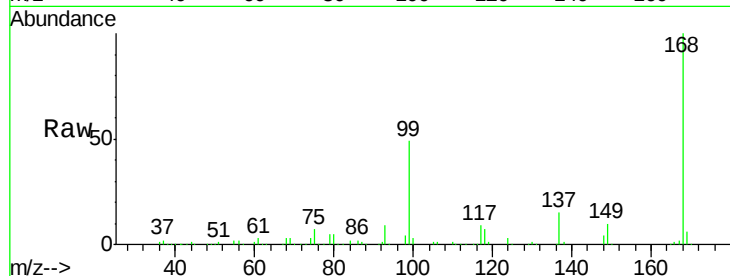
TRIP-BLANK

Tot Ion:168 Resp: 209744

Ion Ratio Lower Upper

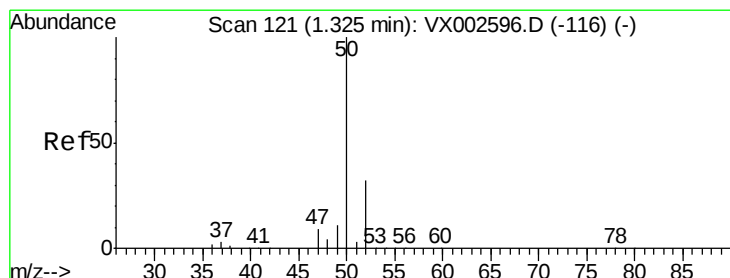
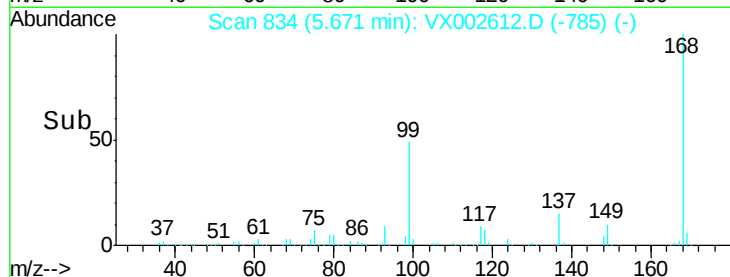
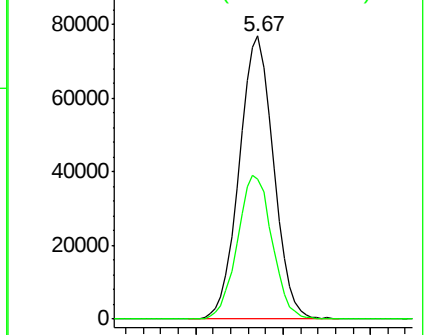
168 100

99 49.5 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.36 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX002612.D

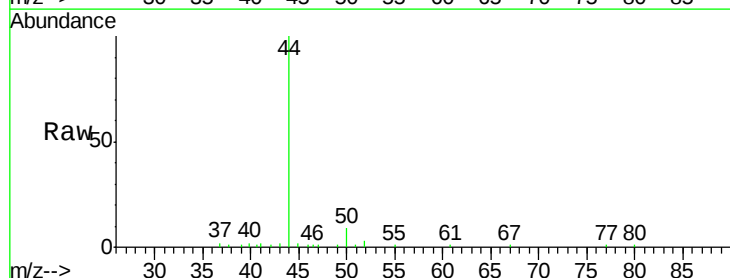
Acq: 15 Jun 2018 22:22

Tgt Ion: 50 Resp: 947

Ion Ratio Lower Upper

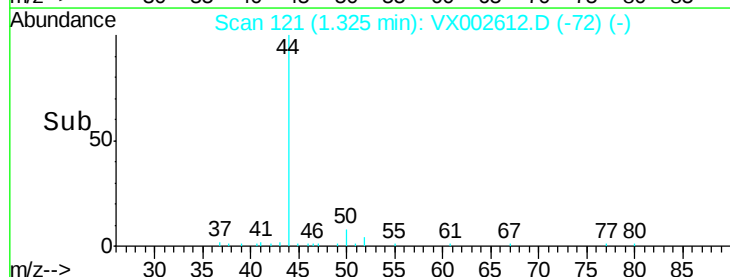
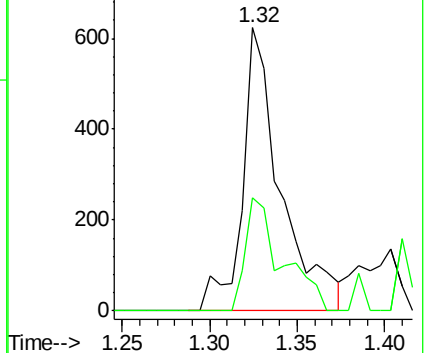
50 100

52 40.1 25.7 38.5#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.64 ug/l

RT: 1.67 min Scan# 177

Delta R.T. 0.03 min

Lab File: VX002612.D

Acq: 15 Jun 2018 22:22

Instrument :

MSVOA_X

ClientSampled :

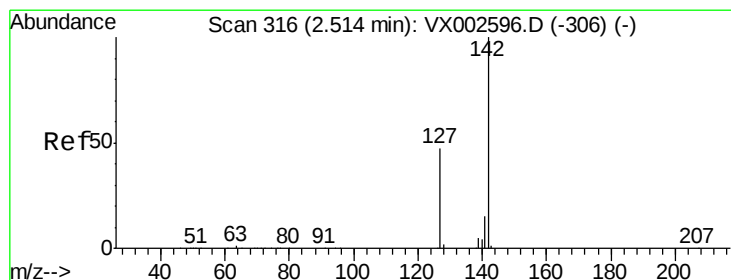
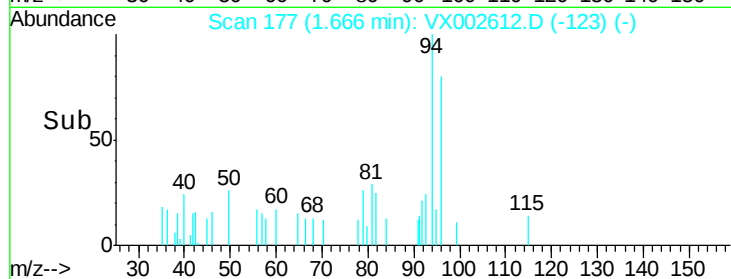
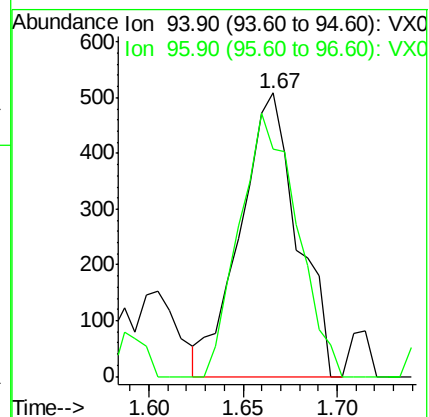
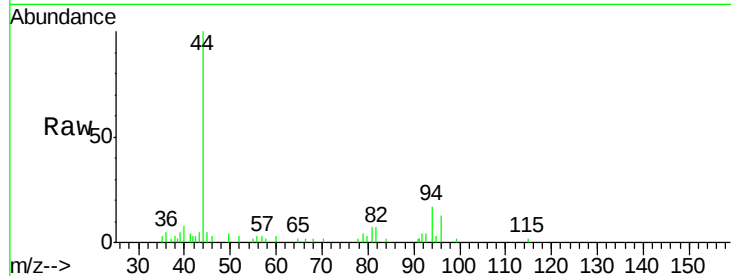
TRIP-BLANK

Tot Ion: 94 Resp: 1064

Ion Ratio Lower Upper

94 100

96 80.1 74.9 112.3



#10

Methyl Iodide

Concen: 5.50 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX002612.D

Acq: 15 Jun 2018 22:22

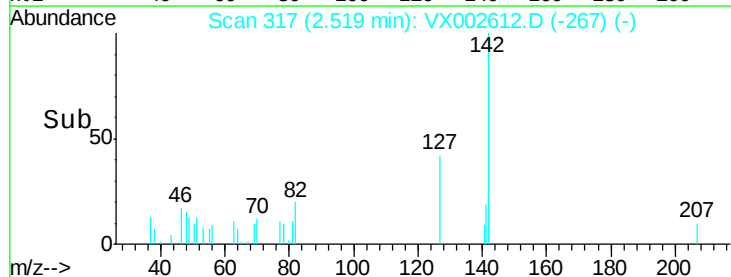
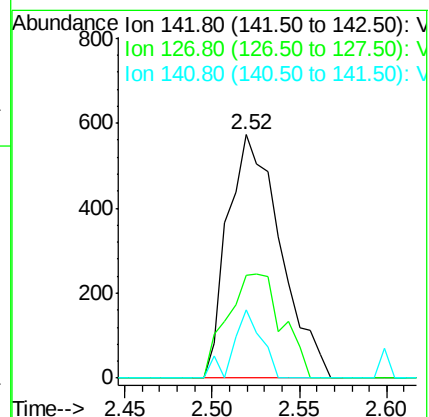
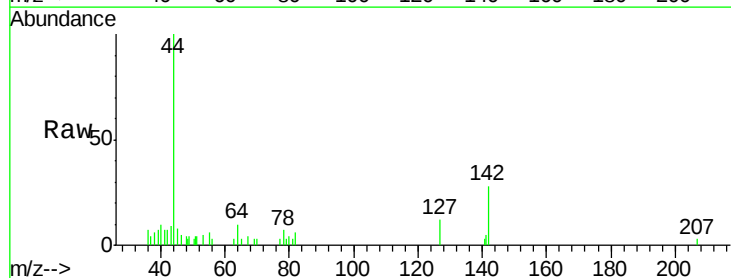
Tgt Ion:142 Resp: 1204

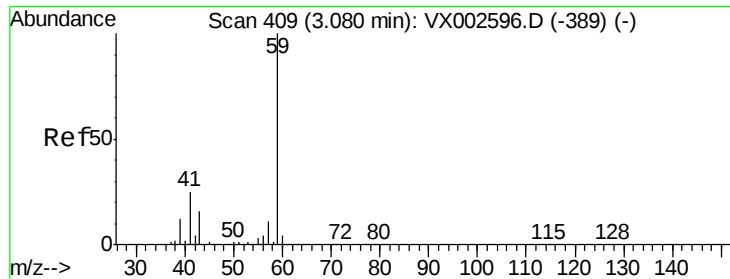
Ion Ratio Lower Upper

142 100

127 44.3 36.6 55.0

141 15.0 11.3 16.9



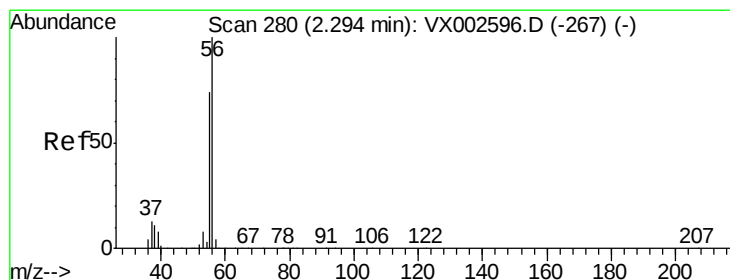
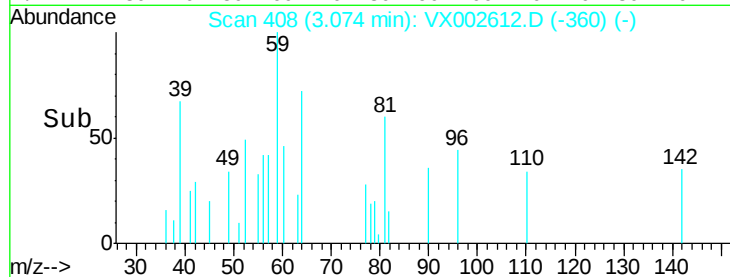
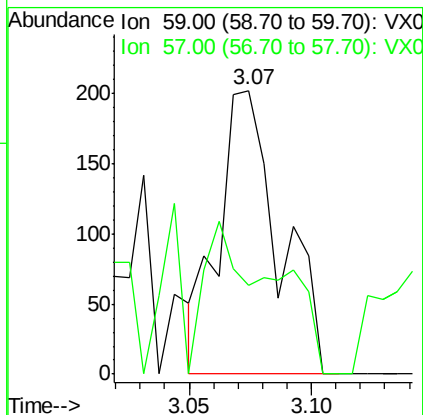
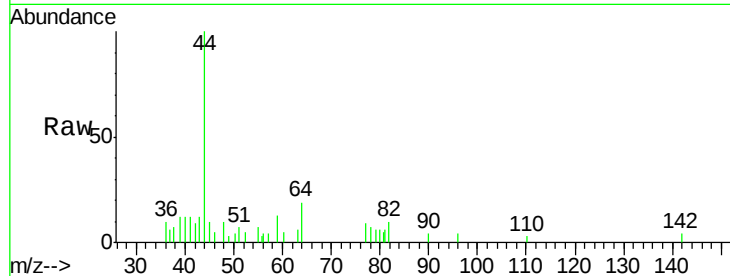


#11

Tert butyl alcohol
 Concen: 0.53 ug/l
 RT: 3.07 min Scan# 408
 Delta R.T. -0.01 min
 Lab File: VX002612.D
 Acq: 15 Jun 2018 22:22

Instrument :
 MSVOA_X
 ClientSampled :
 TRIP-BLANK

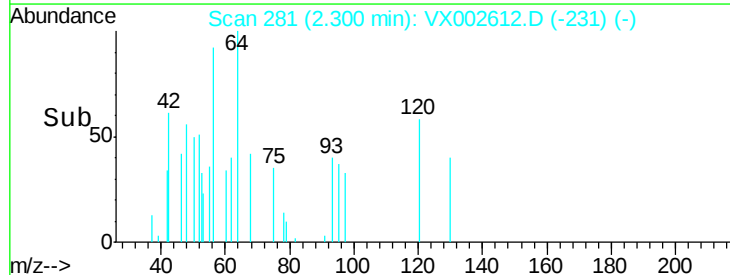
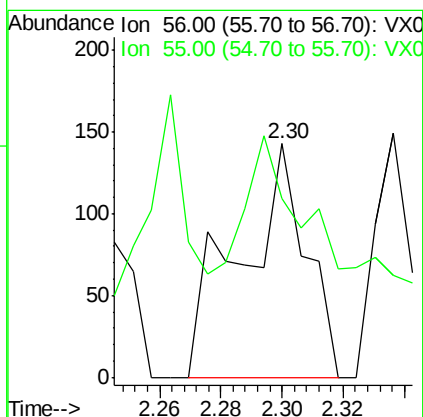
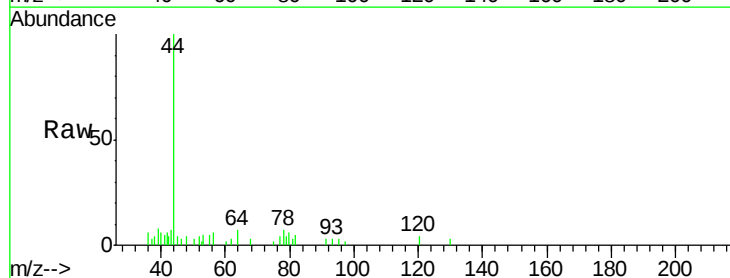
Tot Ion: 59 Resp: 347
 Ion Ratio Lower Upper
 59 100
 57 33.7 8.2 12.2#

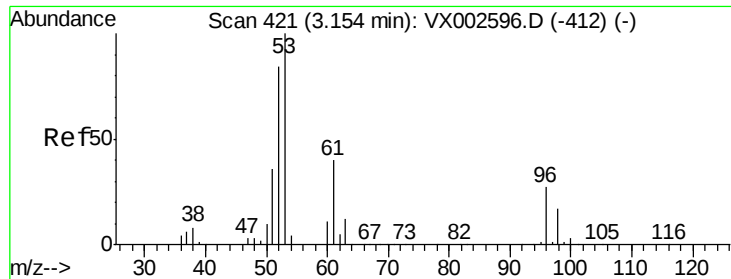


#13

Acrolein
 Concen: 7.54 ug/l
 RT: 2.30 min Scan# 281
 Delta R.T. 0.01 min
 Lab File: VX002612.D
 Acq: 15 Jun 2018 22:22

Tgt Ion: 56 Resp: 214
 Ion Ratio Lower Upper
 56 100
 55 74.8 57.0 85.4





#15

Acrylonitrile

Concen: 0.23 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX002612.D

Acq: 15 Jun 2018 22:22

Instrument :

MSVOA_X

ClientSampled :

TRIP-BLANK

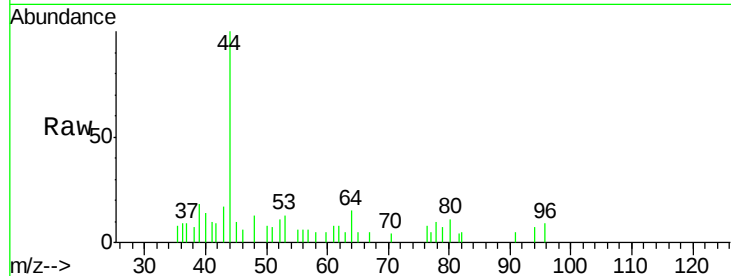
Tot Ion: 53 Resp: 332

Ion Ratio Lower Upper

53 100

52 112.7 66.7 100.1#

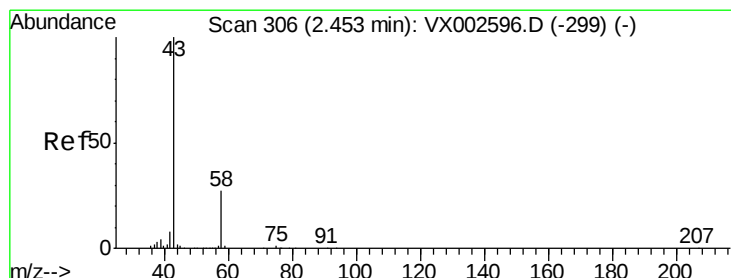
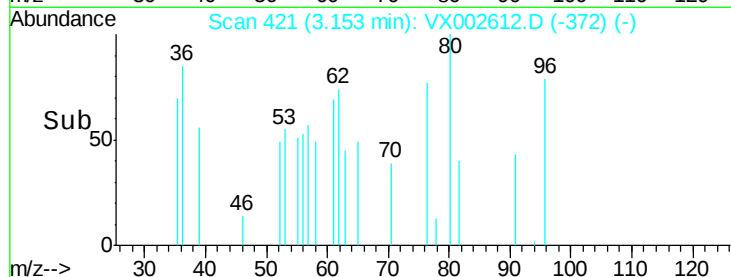
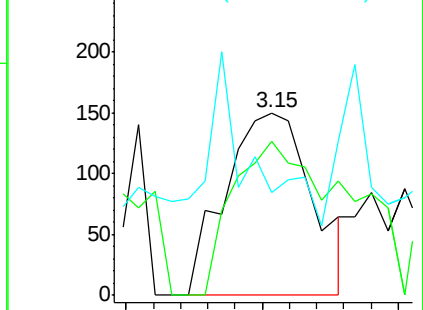
51 64.5 29.9 44.9#



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 3.12 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX002612.D

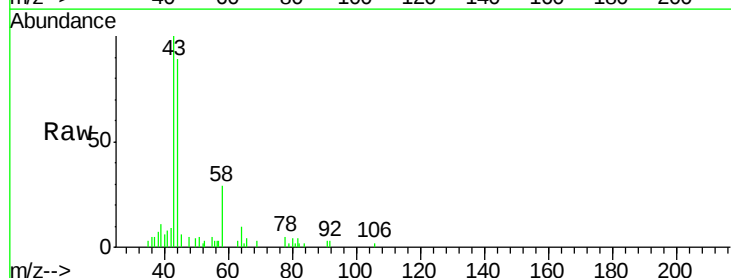
Acq: 15 Jun 2018 22:22

Tgt Ion: 43 Resp: 4392

Ion Ratio Lower Upper

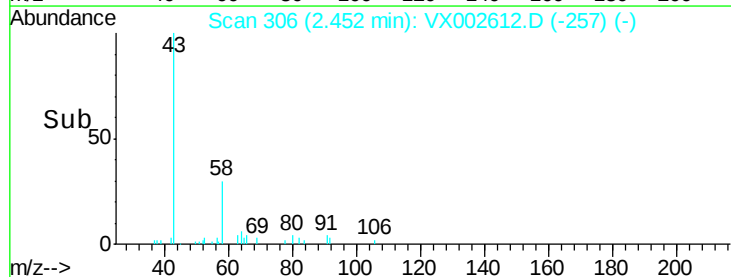
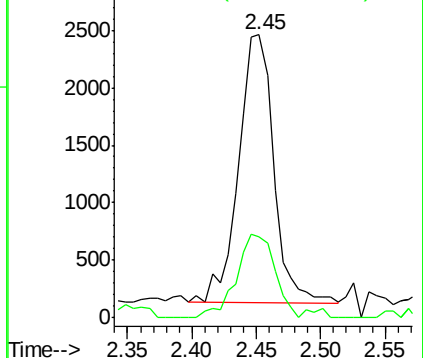
43 100

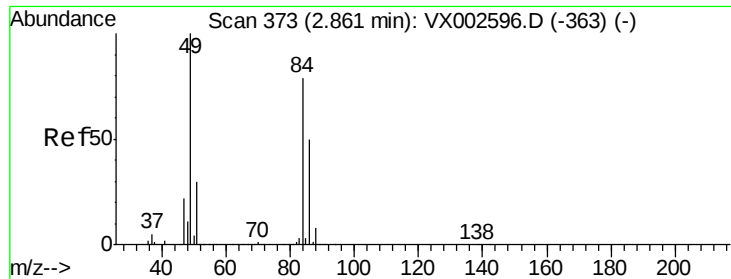
58 30.3 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

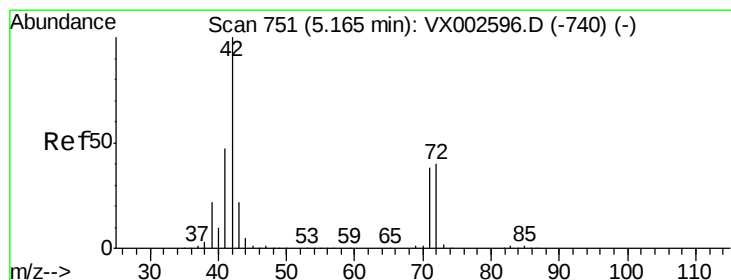
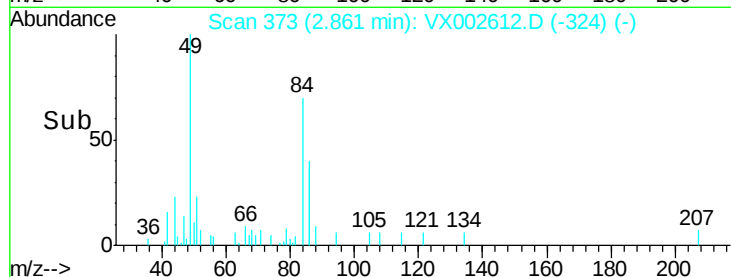
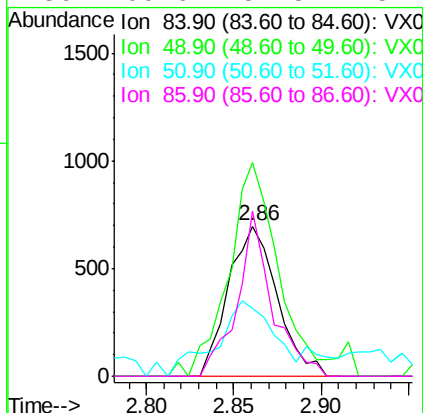
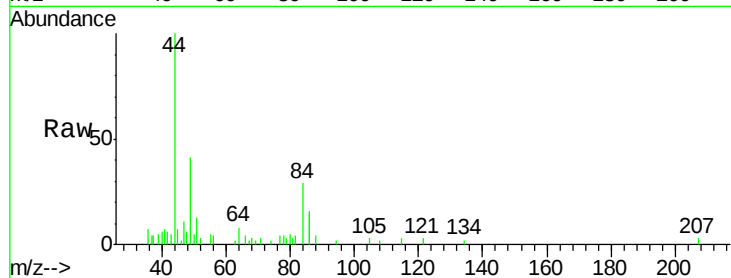




#20
Methylene Chloride
Concen: 0.47 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.00 min
Lab File: VX002612.D
Acq: 15 Jun 2018 22:22

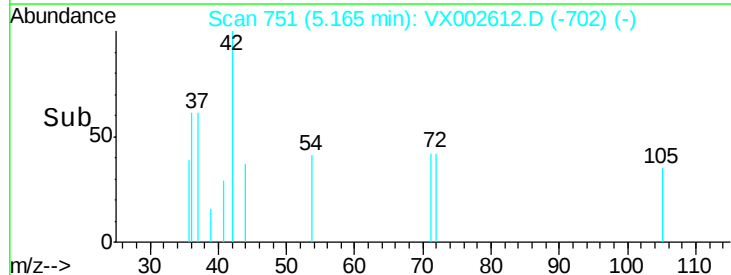
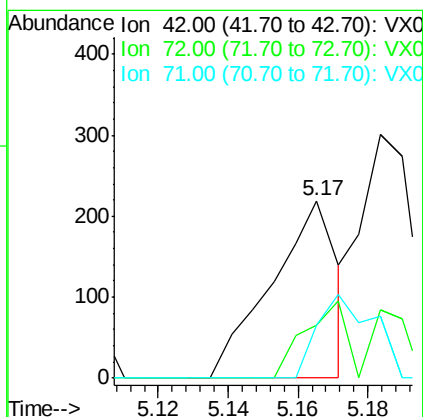
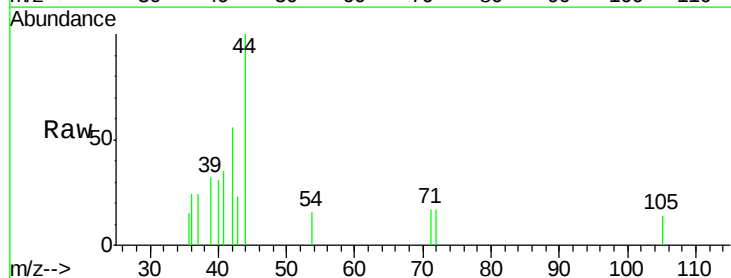
Instrument :
MSVOA_X
ClientSampled :
TRIP-BLANK

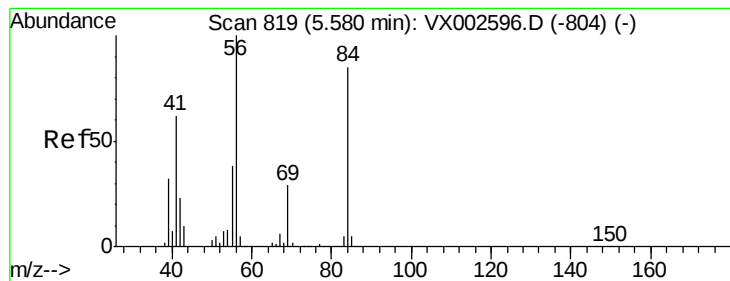
Tot Ion: 84 Resp: 1348
Ion Ratio Lower Upper
84 100
49 142.1 107.8 161.6
51 33.4 32.8 49.2
86 109.6 52.5 78.7#



#29
Tetrahydrofuran
Concen: 0.24 ug/l
RT: 5.17 min Scan# 751
Delta R.T. -0.00 min
Lab File: VX002612.D
Acq: 15 Jun 2018 22:22

Tgt Ion: 42 Resp: 286
Ion Ratio Lower Upper
42 100
72 27.3 32.0 48.0#
71 40.2 30.1 45.1





#31

Cyclohexane

Concen: 1.19 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.09 min

Lab File: VX002612.D

Acq: 15 Jun 2018 22:22

Instrument :

MSVOA_X

ClientSampled :

TRIP-BLANK

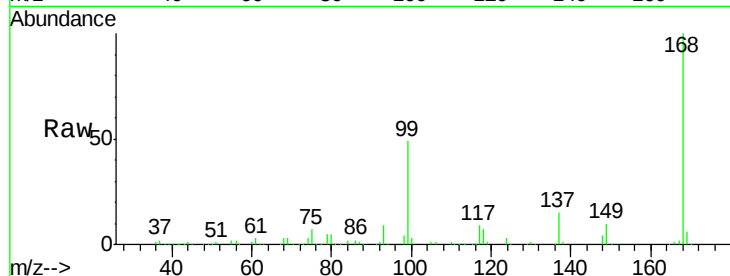
Tot Ion: 56 Resp: 4491

Ion Ratio Lower Upper

56 100

69 159.5 23.7 35.5#

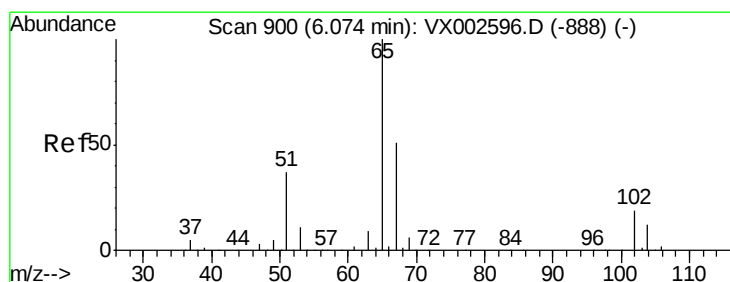
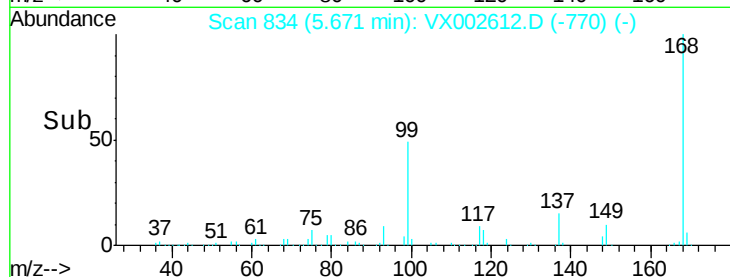
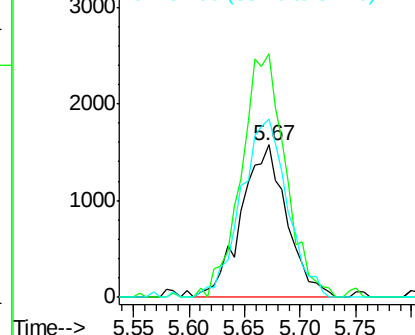
84 117.0 64.1 96.1#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 46.23 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.00 min

Lab File: VX002612.D

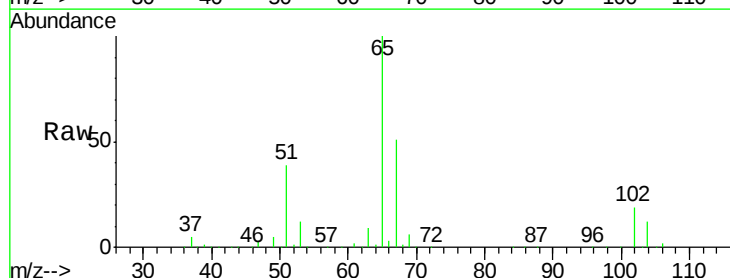
Acq: 15 Jun 2018 22:22

Tgt Ion: 65 Resp: 147365

Ion Ratio Lower Upper

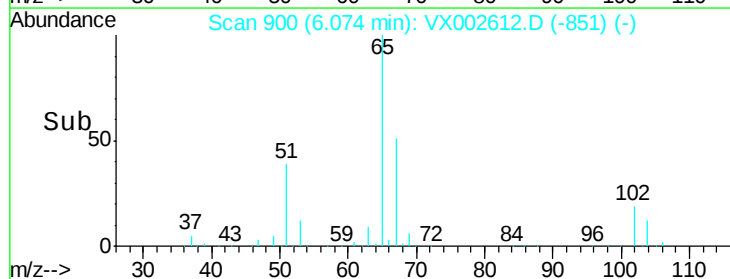
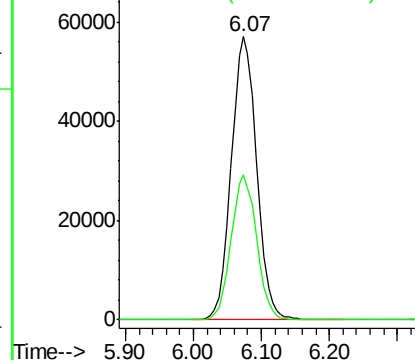
65 100

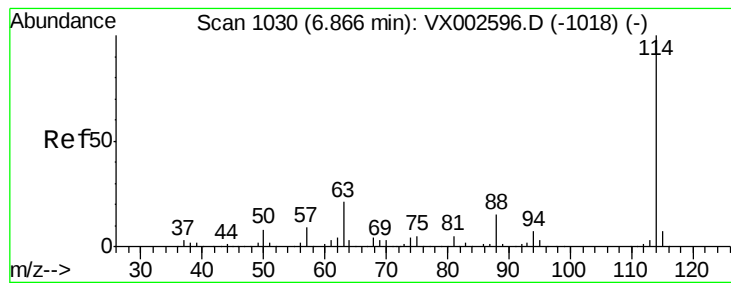
67 51.4 0.0 102.6



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: VX002612.D

Acq: 15 Jun 2018 22:22

Instrument :

MSVOA_X

ClientSampleId :

TRIP-BLANK

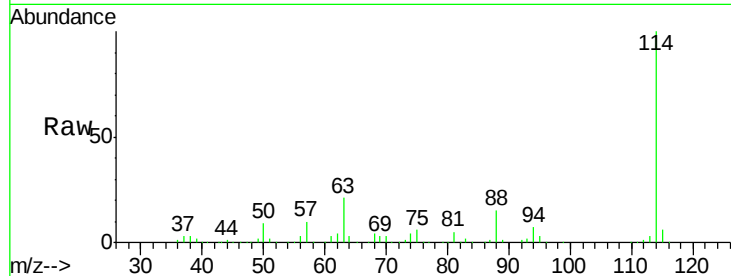
Tot Ion:114 Resp: 303465

Ion Ratio Lower Upper

114 100

63 21.1 0.0 41.4

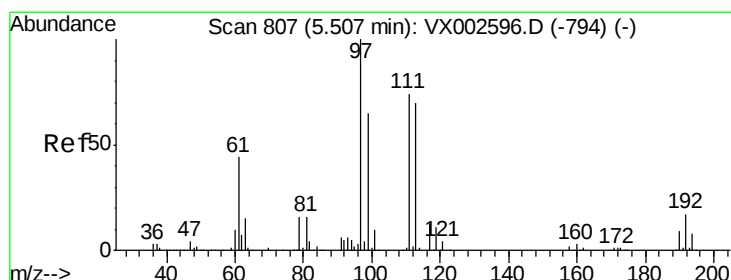
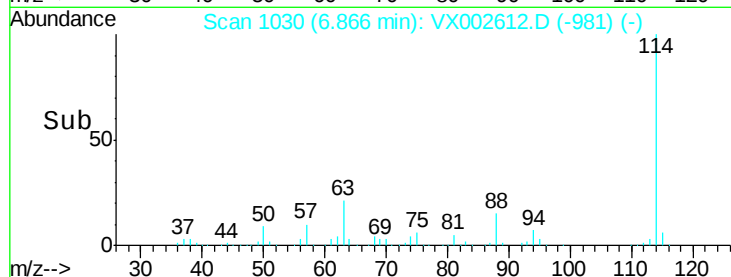
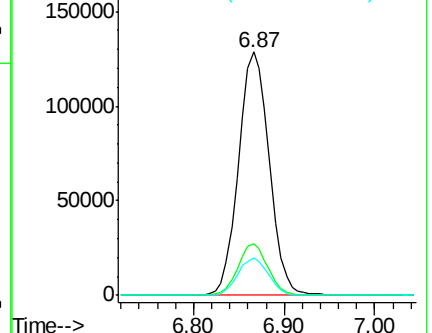
88 15.3 0.0 30.0



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: 45.48 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.00 min

Lab File: VX002612.D

Acq: 15 Jun 2018 22:22

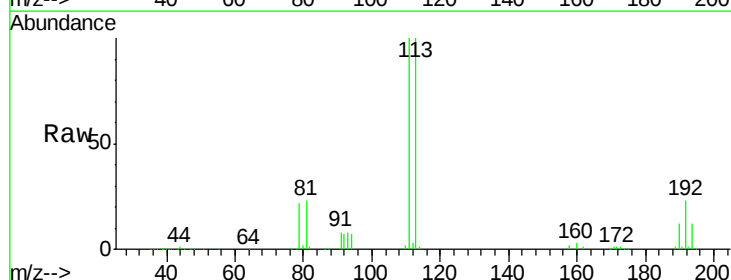
Tgt Ion:113 Resp: 110150

Ion Ratio Lower Upper

113 100

111 103.0 81.4 122.0

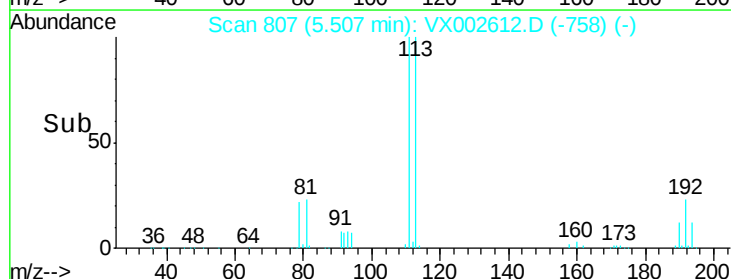
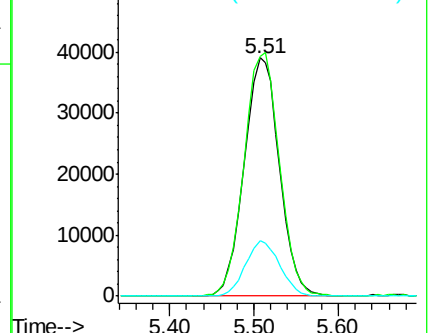
192 22.8 19.1 28.7

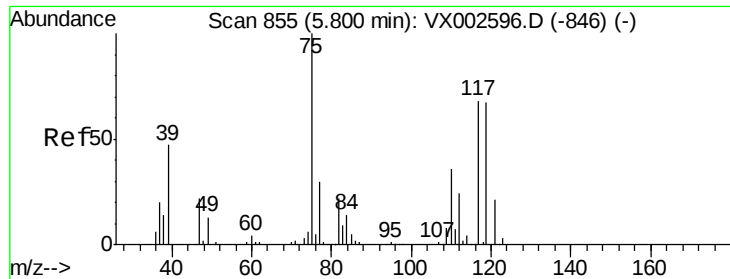


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

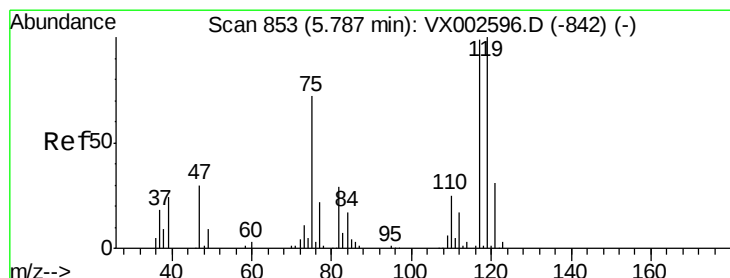
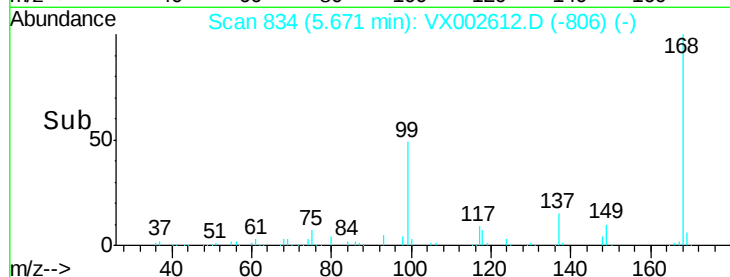
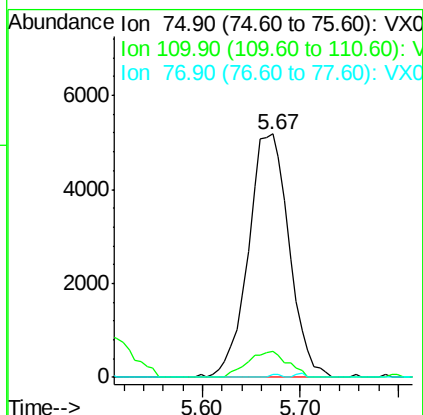
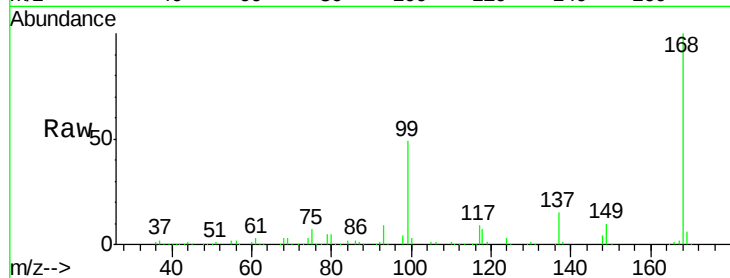




#36
 1,1-Dichloropropene
 Concen: 4.64 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.13 min
 Lab File: VX002612.D
 Acq: 15 Jun 2018 22:22

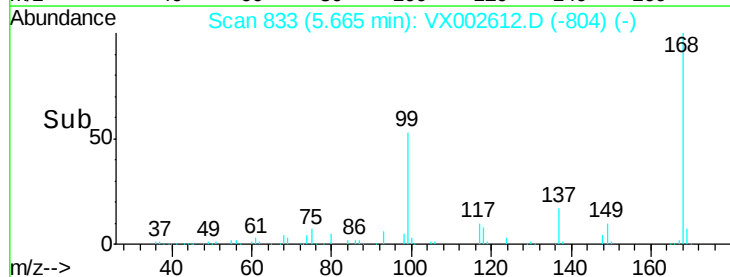
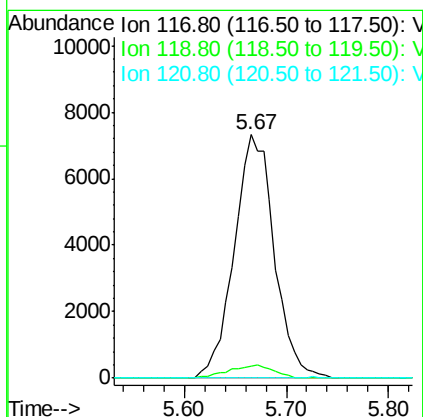
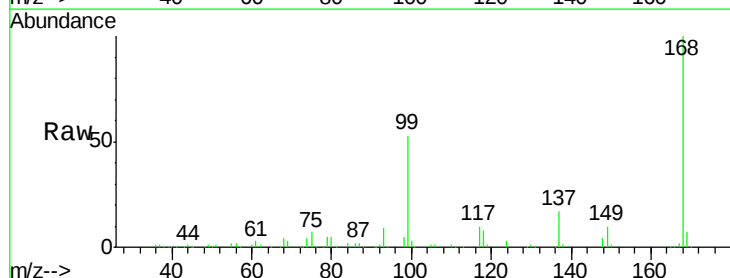
Instrument :
 MSVOA_X
 ClientSampleId :
 TRIP-BLANK

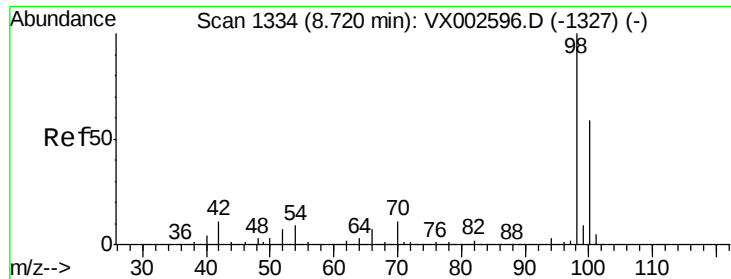
Tot Ion: 75 Resp: 14966
 Ion Ratio Lower Upper
 75 100
 110 10.4 18.1 54.4#
 77 0.3 24.3 36.5#



#38
 Carbon Tetrachloride
 Concen: 6.21 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.12 min
 Lab File: VX002612.D
 Acq: 15 Jun 2018 22:22

Tgt Ion: 117 Resp: 19921
 Ion Ratio Lower Upper
 117 100
 119 5.1 77.4 116.0#
 121 0.0 24.4 36.6#

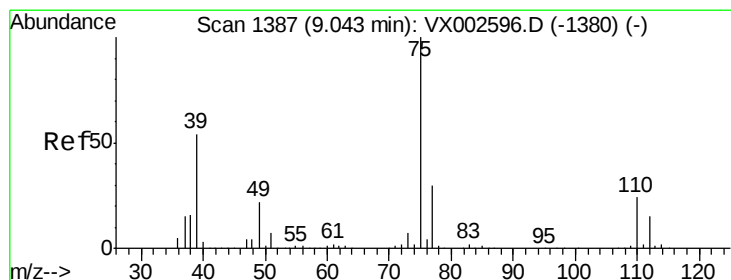
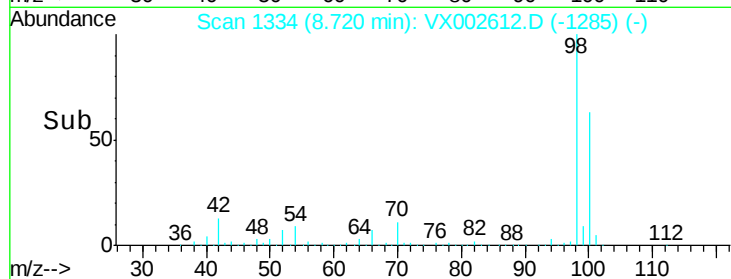
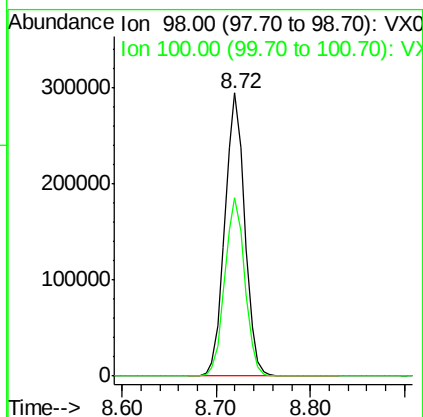
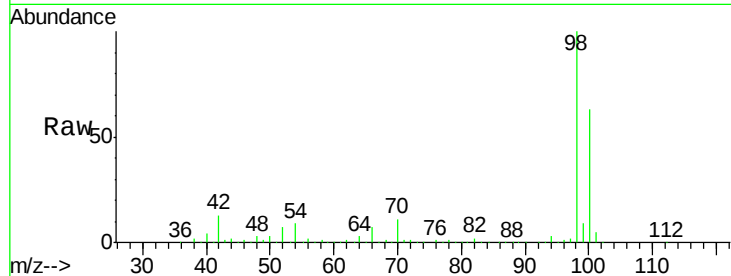




#50
Toluene-d8
Concen: 46.99 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX002612.D
Acq: 15 Jun 2018 22:22

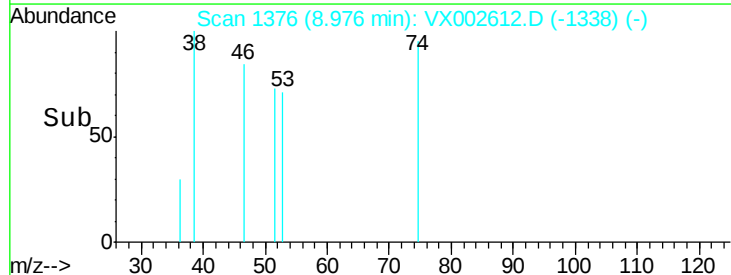
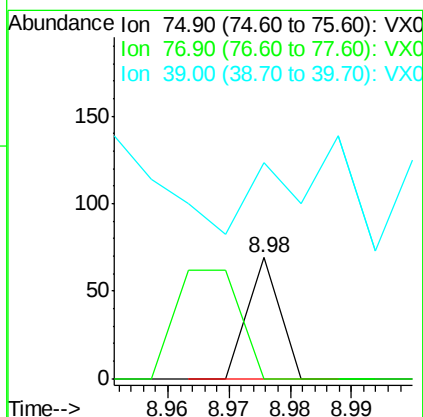
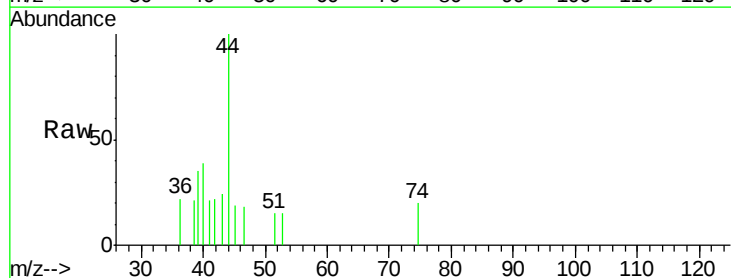
Instrument :
MSVOA_X
ClientSampleId :
TRIP-BLANK

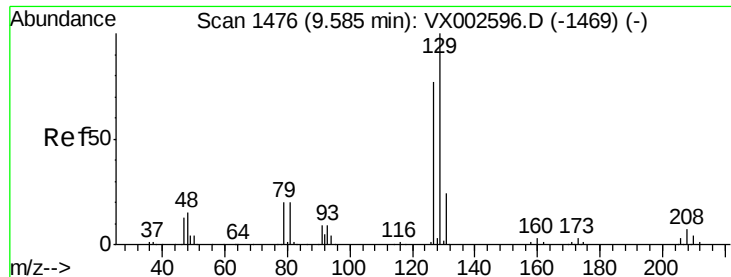
Tot Ion: 98 Resp: 432146
Ion Ratio Lower Upper
98 100
100 63.4 50.9 76.3



#54
cis-1,3-Dichloropropene
Concen: 3.22 ug/l
RT: 8.98 min Scan# 1376
Delta R.T. -0.07 min
Lab File: VX002612.D
Acq: 15 Jun 2018 22:22

Tgt Ion: 75 Resp: 25
Ion Ratio Lower Upper
75 100
77 0.0 24.8 37.2#
39 33.3 42.4 63.6#





#60

Dibromochloromethane

Concen: 3.77 ug/l

RT: 9.34 min Scan# 1435

Delta R.T. -0.25 min

Lab File: VX002612.D

Acq: 15 Jun 2018 22:22

Instrument :

MSVOA_X

ClientSampleId :

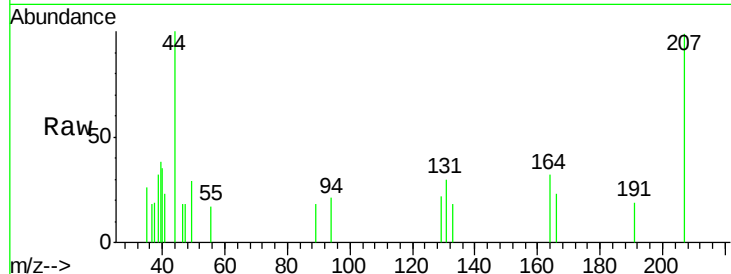
TRIP-BLANK

Tot Ion:129 Resp: 25

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

9.34

60

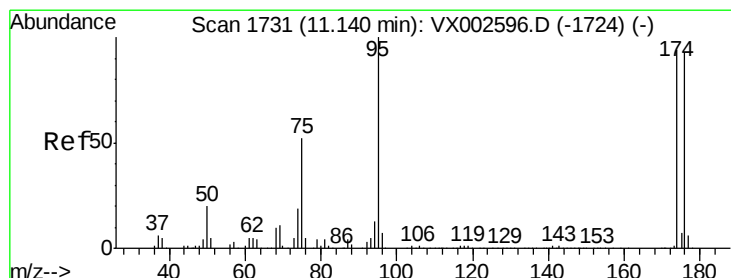
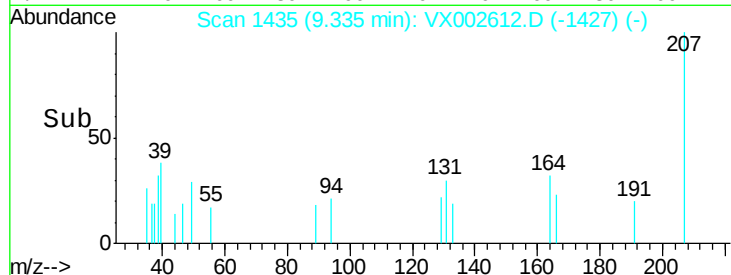
40

20

0

9.32 9.33 9.34 9.35

Time-->



#62

4-Bromofluorobenzene

Concen: 42.66 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX002612.D

Acq: 15 Jun 2018 22:22

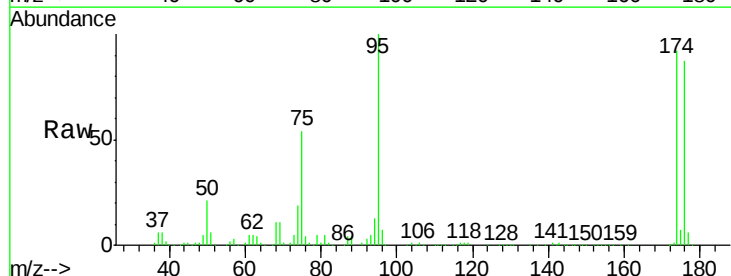
Tgt Ion: 95 Resp: 148658

Ion Ratio Lower Upper

95 100

174 96.3 0.0 187.4

176 93.6 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

150000

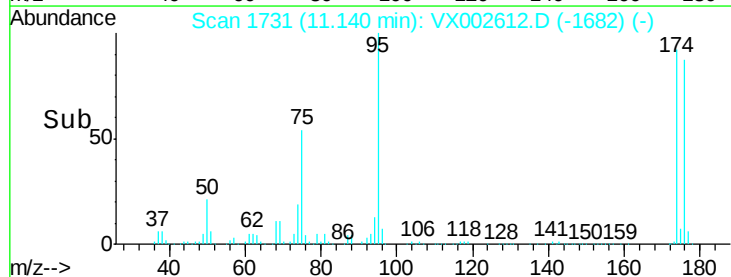
100000

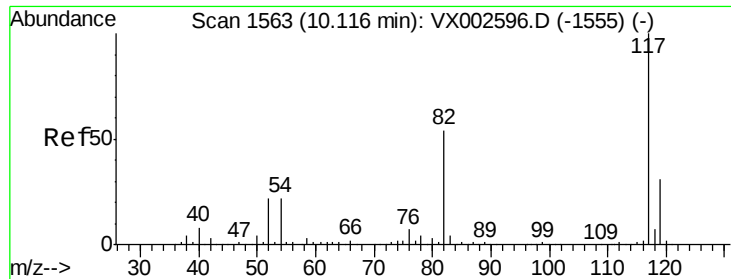
50000

0

11.10 11.14 11.20

Time-->

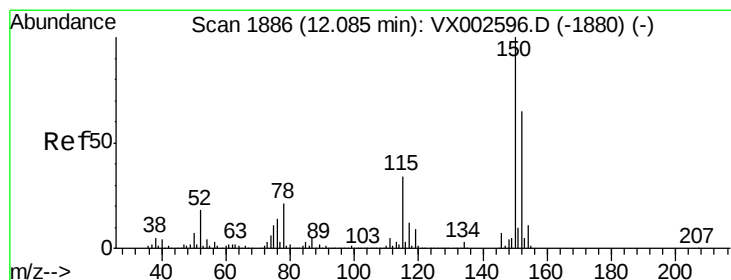
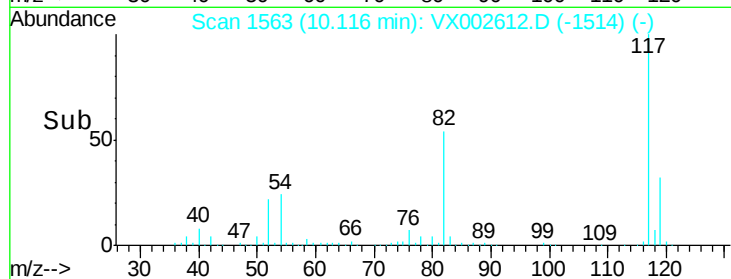
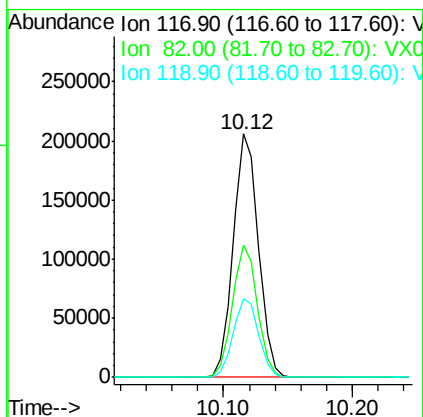
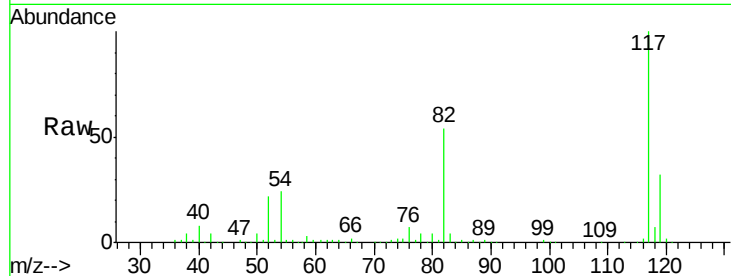




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002612.D
Acq: 15 Jun 2018 22:22

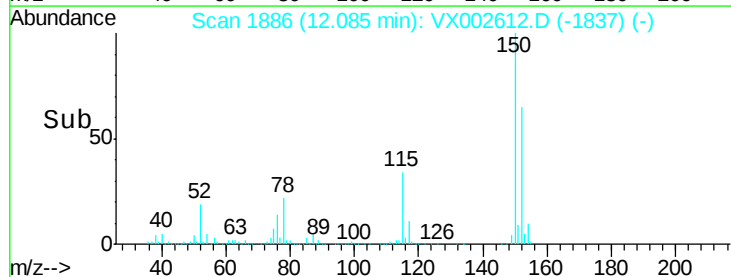
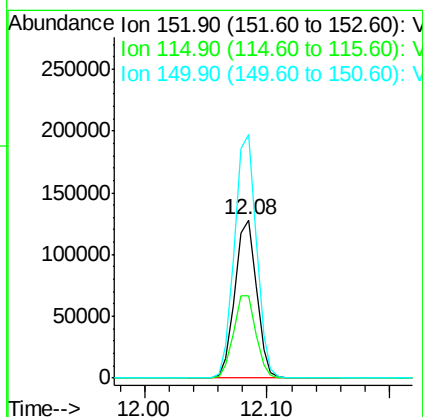
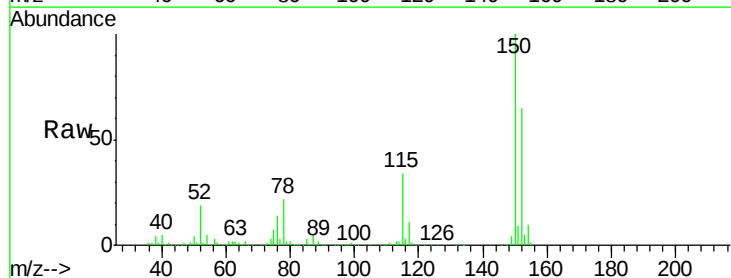
Instrument :
MSVOA_X
ClientSampled :
TRIP-BLANK

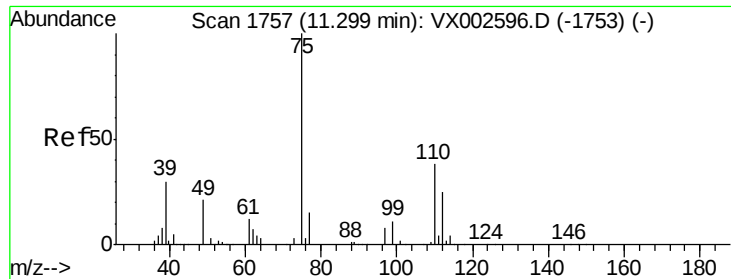
Tot Ion:117 Resp: 280336
Ion Ratio Lower Upper
117 100
82 54.1 45.0 67.4
119 32.1 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX002612.D
Acq: 15 Jun 2018 22:22

Tgt Ion:152 Resp: 155943
Ion Ratio Lower Upper
152 100
115 54.0 40.1 120.2
150 155.9 0.0 347.2

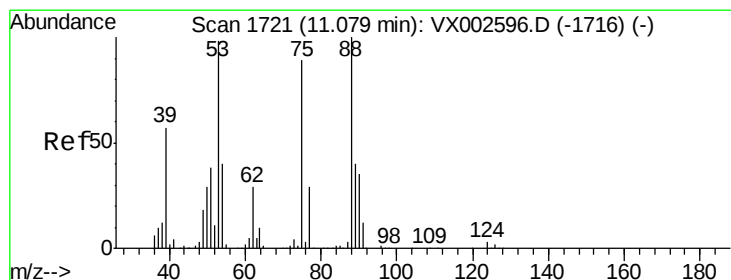
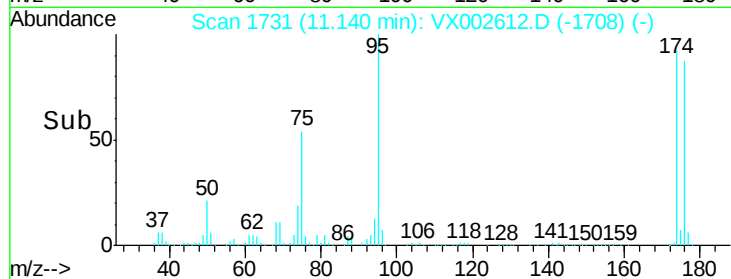
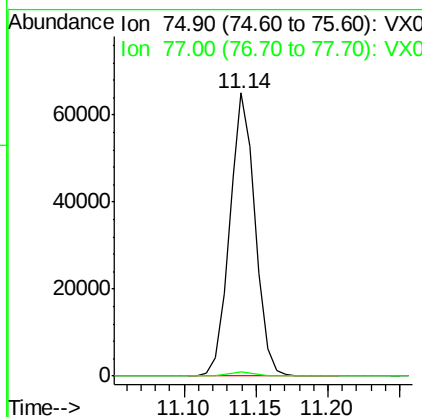
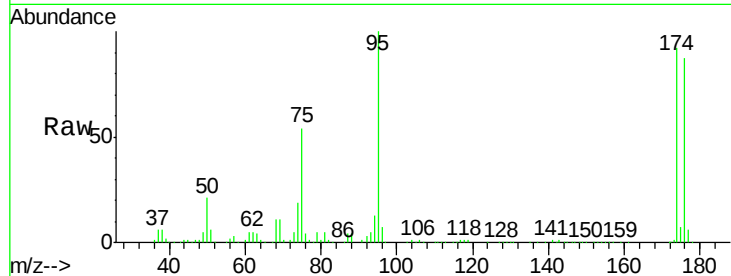




#76
 1,2,3-Trichloropropane
 Concen: 27.31 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX002612.D
 Acq: 15 Jun 2018 22:22

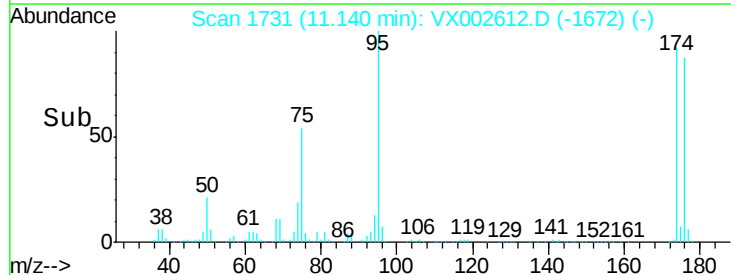
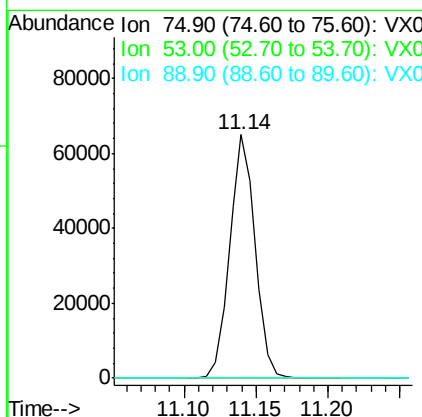
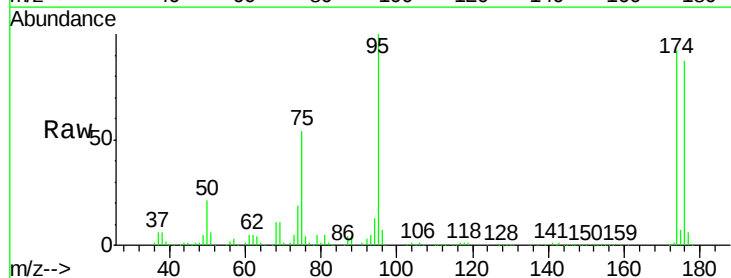
Instrument :
 MSVOA_X
 ClientSampled :
 TRIP-BLANK

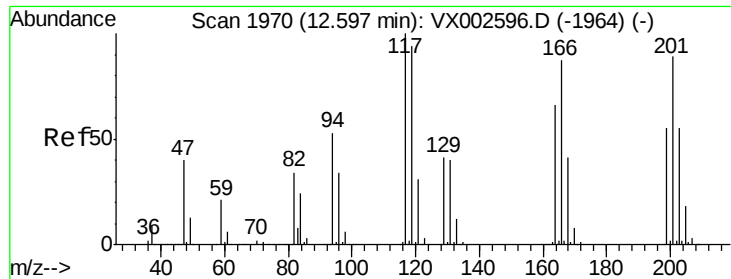
Tot Ion: 75 Resp: 80366
 Ion Ratio Lower Upper
 75 100
 77 1.5 22.8 68.3#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 84.26 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX002612.D
 Acq: 15 Jun 2018 22:22

Tgt Ion: 75 Resp: 80366
 Ion Ratio Lower Upper
 75 100
 53 0.0 86.8 130.2#
 89 0.0 38.2 57.2#





#90

Hexachloroethane

Concen: 2.64 ug/l

RT: 12.68 min Scan# 1983

Delta R.T. 0.08 min

Lab File: VX002612.D

Acq: 15 Jun 2018 22:22

Instrument :

MSVOA_X

ClientSampleId :

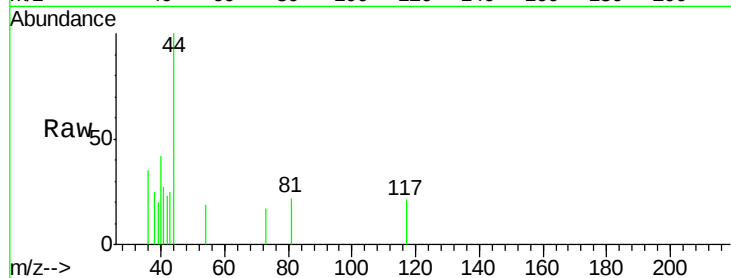
TRIP-BLANK

Tot Ion:117 Resp: 25

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

