

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX062818\
 Data File : VX002984.D
 Acq On : 28 Jun 2018 14:48
 Operator : JC/MD
 Sample : J3704-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE BLANK-SOILREF-5

Quant Time: Jun 29 06:08:36 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	276855	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	389231	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	358943	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	205541	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	185537	48.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.96%	
35) Dibromofluoromethane	5.51	113	150933	48.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.94%	
50) Toluene-d8	8.72	98	545321	48.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.90%	
62) 4-Bromofluorobenzene	11.14	95	192615	44.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.74%	

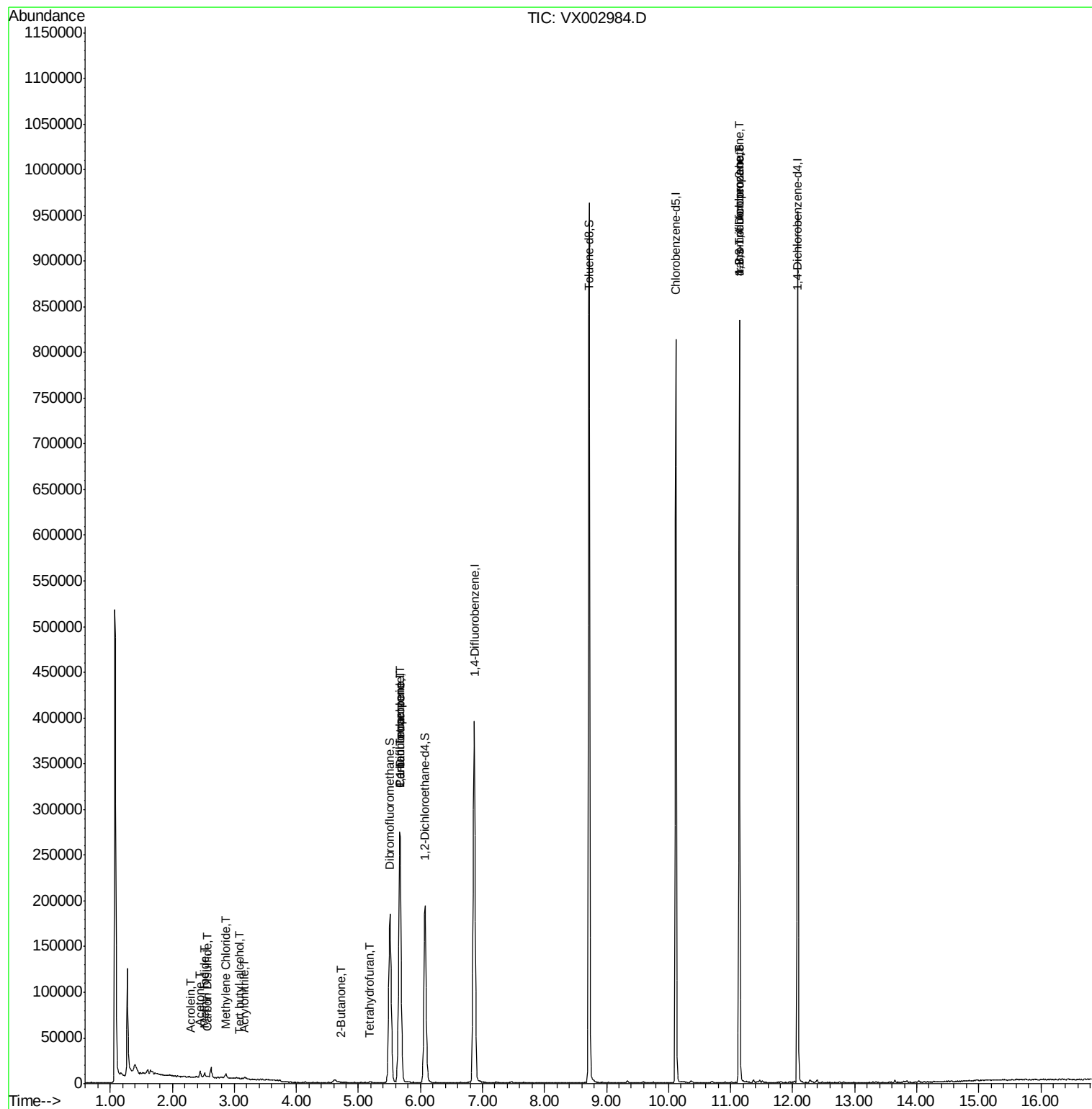
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	244	Below Cal	#	43
3) Chloromethane	1.32	50	1078	Below Cal		89
5) Bromomethane	1.65	94	2801	Below Cal		88
6) Chloroethane	1.72	64	500	Below Cal	#	43
10) Methyl Iodide	2.52	142	4743	7.56	ug/l	99
11) Tert butyl alcohol	3.07	59	158	0.21	ug/l	# 1
13) Acrolein	2.30	56	155	4.59	ug/l	# 24
15) Acrylonitrile	3.15	53	493	0.30	ug/l	# 71
16) Acetone	2.45	43	7061	4.46	ug/l	# 92
17) Carbon Disulfide	2.57	76	2368	0.33	ug/l	# 90
20) Methylene Chloride	2.86	84	2031	0.66	ug/l	# 91
25) 2-Butanone	4.71	43	739	0.31	ug/l	# 52
29) Tetrahydrofuran	5.18	42	444	0.29	ug/l	# 58
36) 1,1-Dichloropropene	5.67	75	18600	4.36	ug/l	# 50
38) Carbon Tetrachloride	5.67	117	25497	5.44	ug/l	# 15
76) 1,2,3-Trichloropropane	11.14	75	100505	26.99	ug/l	# 33
81) trans-1,4-Dichloro-2-buten	11.14	75	100505	76.42	ug/l	# 7

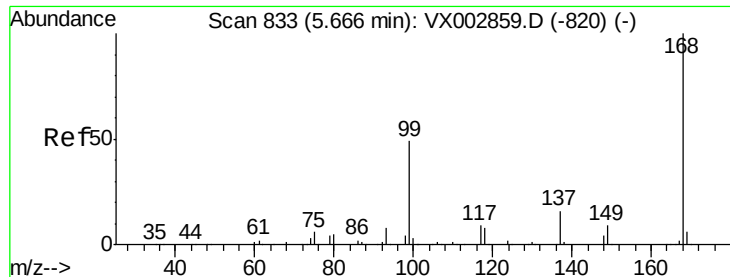
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX002984.D

Acq: 28 Jun 2018 14:48

Instrument :

MSVOA_X

ClientSampleId :

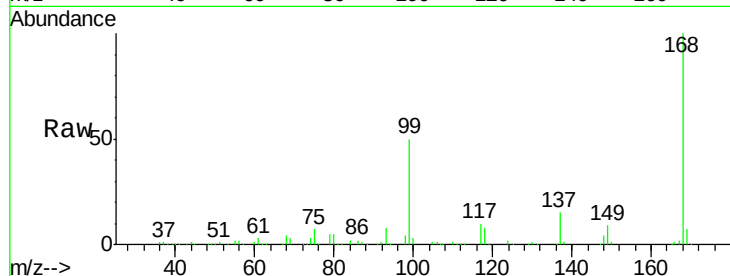
STORAGEBLANK-SOILREF-5

Tot Ion:168 Resp: 276855

Ion Ratio Lower Upper

168 100

99 50.0 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

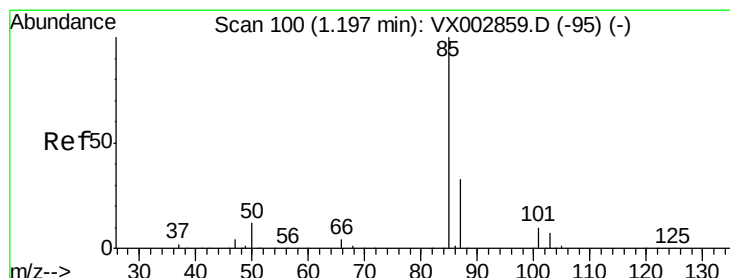
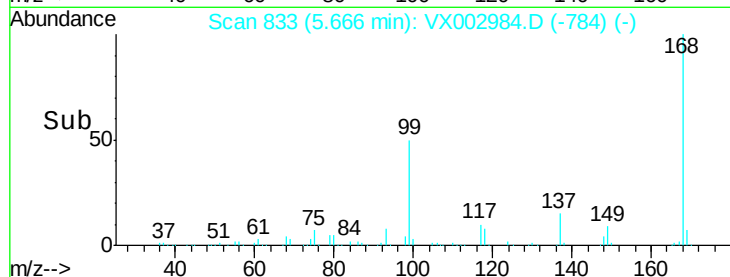
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX002984.D

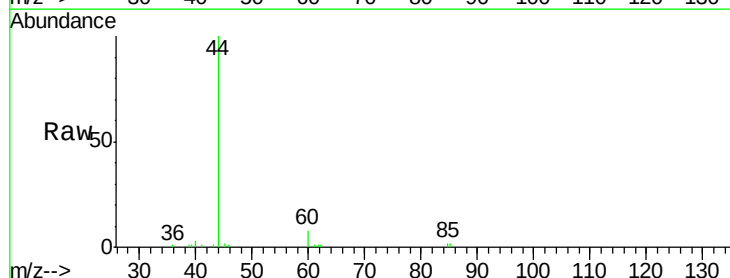
Acq: 28 Jun 2018 14:48

Tgt Ion: 85 Resp: 244

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

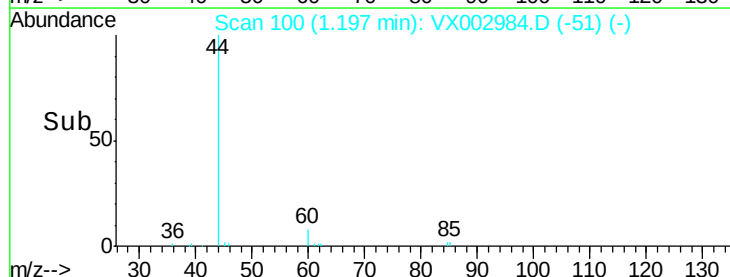
300

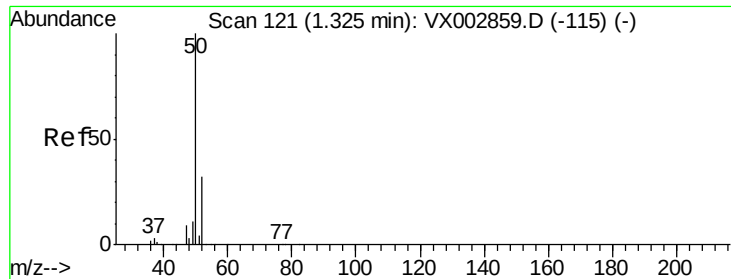
200

100

0

Time--> 1.16 1.18 1.20 1.22





#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX002984.D

Acq: 28 Jun 2018 14:48

Instrument :

MSVOA_X

ClientSampleId :

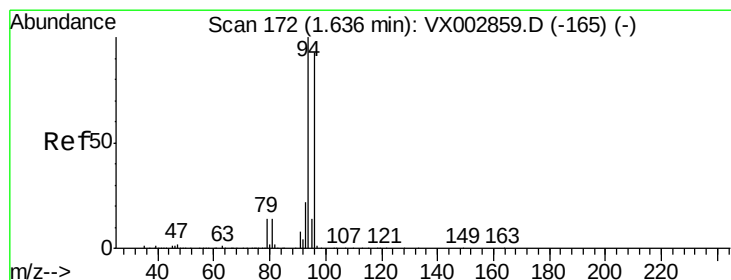
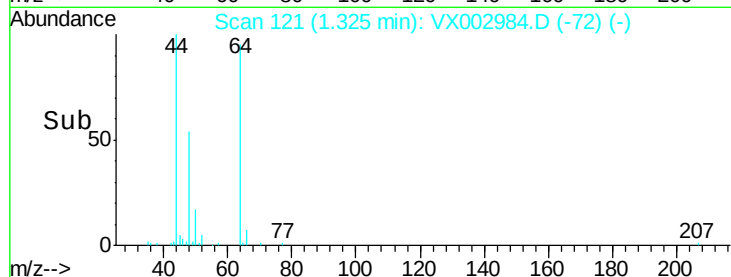
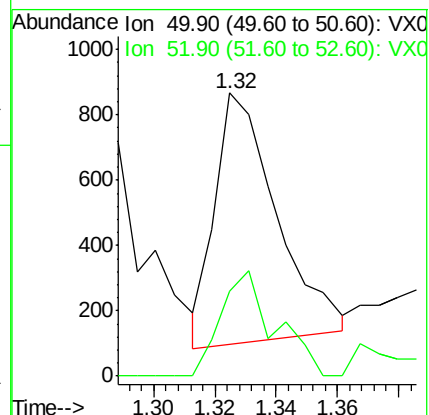
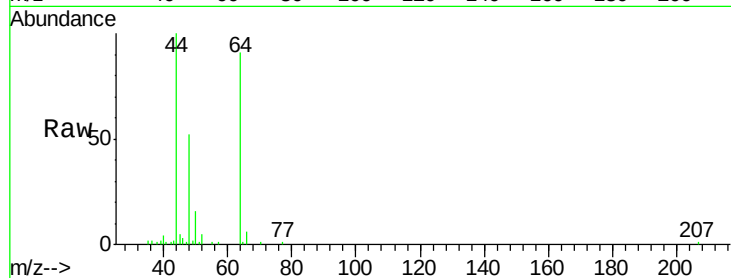
STORAGEBLANK-SOILREF-5

Tot Ion: 50 Resp: 1078

Ion Ratio Lower Upper

50 100

52 38.3 25.7 38.5



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX002984.D

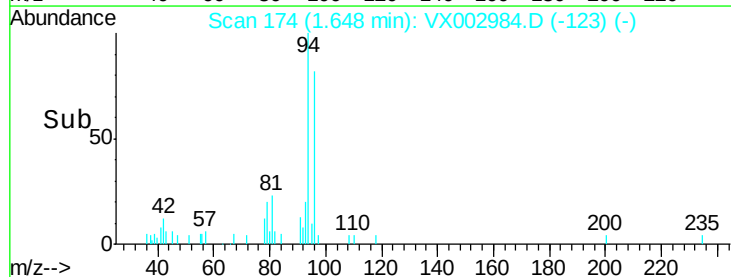
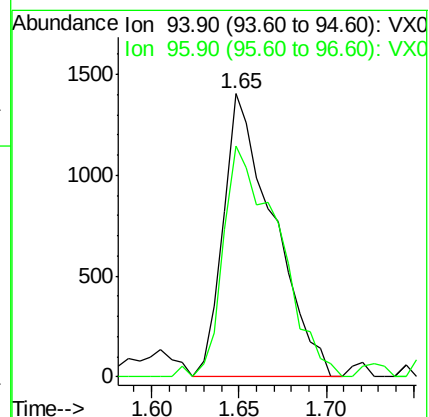
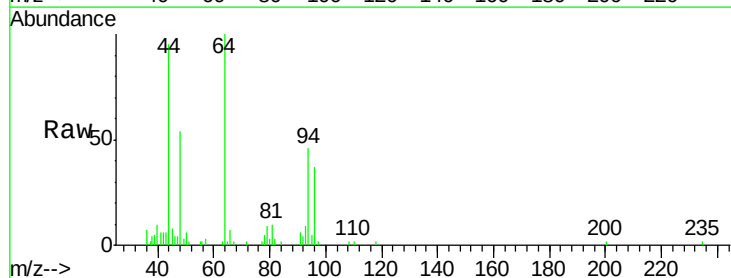
Acq: 28 Jun 2018 14:48

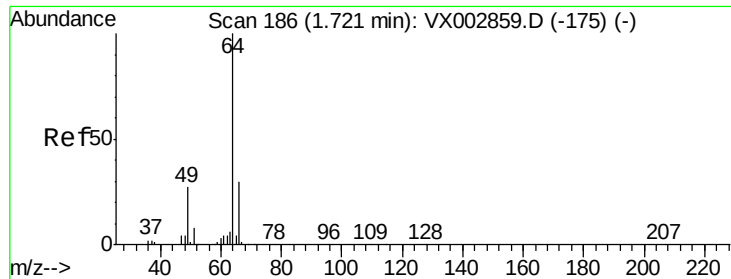
Tgt Ion: 94 Resp: 2801

Ion Ratio Lower Upper

94 100

96 81.6 74.9 112.3





#6

Chloroethane

Concen: Below Cal

RT: 1.72 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX002984.D

Acq: 28 Jun 2018 14:48

Instrument :

MSVOA_X

ClientSampleId :

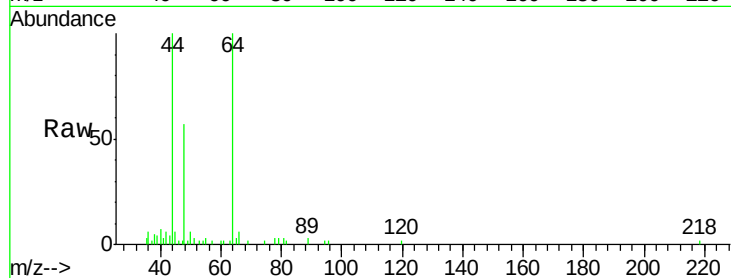
STORAGEBLANK-SOILREF-5

Tot Ion: 64 Resp: 500

Ion Ratio Lower Upper

64 100

66 0.0 25.5 38.3#

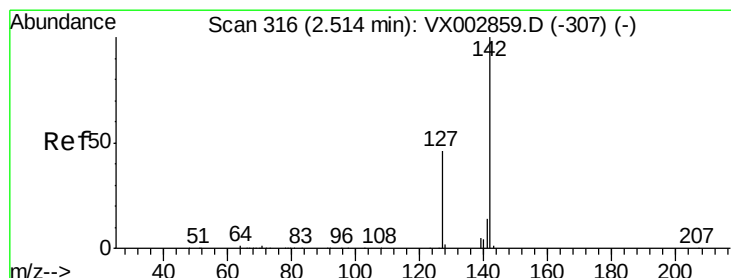
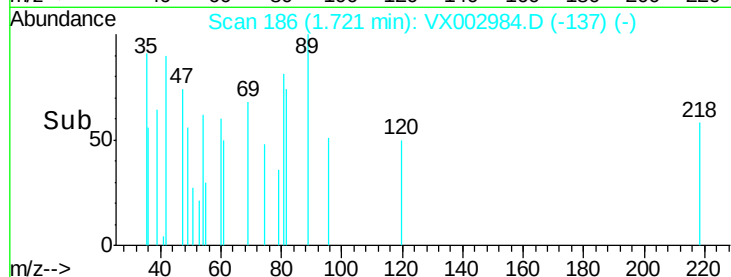


Abundance Ion 63.90 (63.60 to 64.60): VX002859.D (-175) (-)

Ion 65.90 (65.60 to 66.60): VX002859.D (-175) (-)

1.72

Time-->



#10

Methyl Iodide

Concen: 7.56 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX002984.D

Acq: 28 Jun 2018 14:48

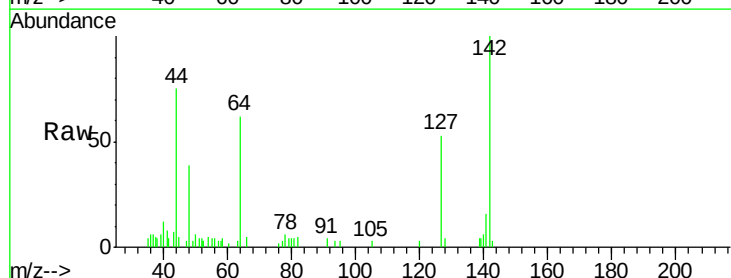
Tgt Ion: 142 Resp: 4743

Ion Ratio Lower Upper

142 100

127 46.7 36.6 55.0

141 14.9 11.3 16.9



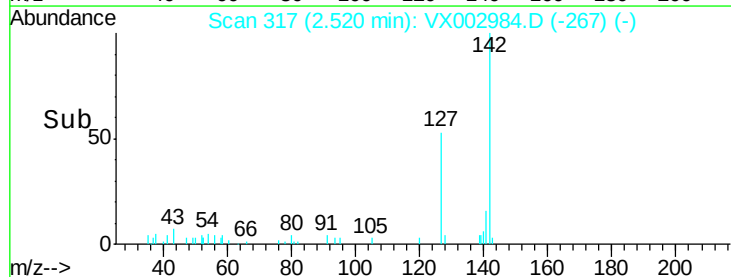
Abundance Ion 141.80 (141.50 to 142.50): VX002859.D (-307) (-)

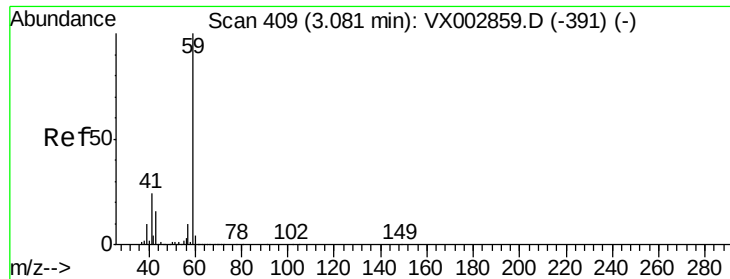
Ion 126.80 (126.50 to 127.50): VX002859.D (-307) (-)

Ion 140.80 (140.50 to 141.50): VX002859.D (-307) (-)

2.52

Time-->

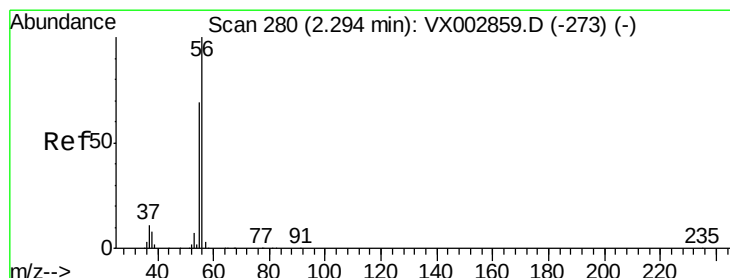
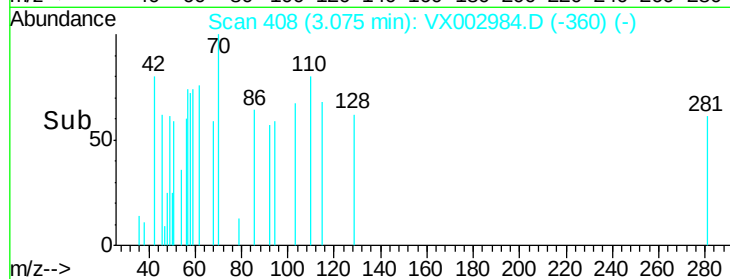
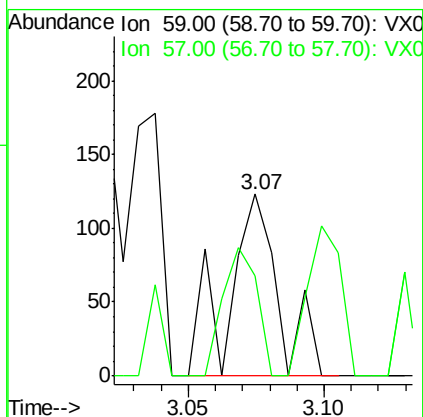
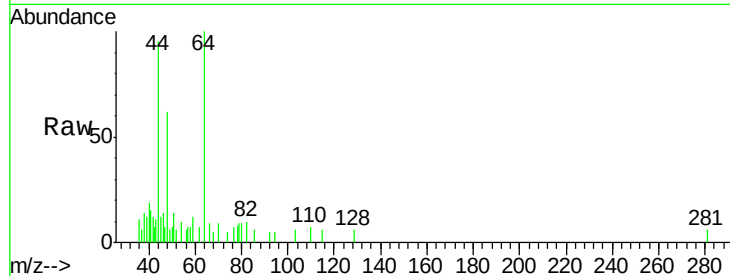




#11
Tert butyl alcohol
Concen: 0.21 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.01 min
Lab File: VX002984.D
Acq: 28 Jun 2018 14:48

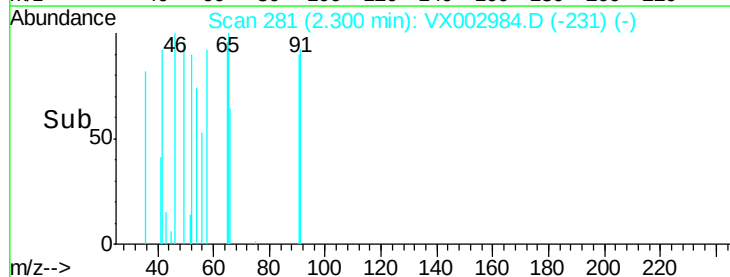
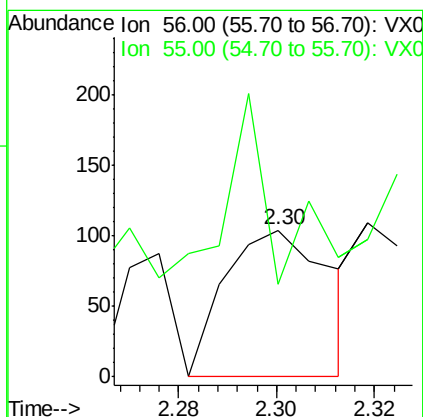
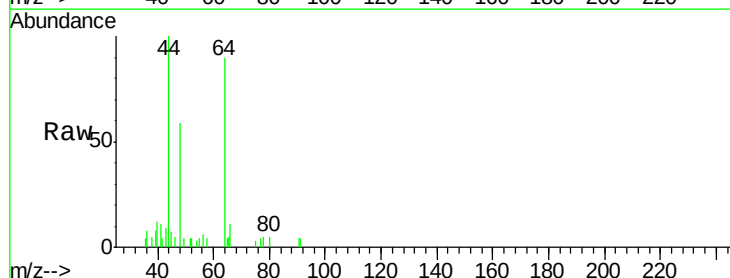
Instrument :
MSVOA_X
ClientSampleId :
STORAGEBLANK-SOILREF-5

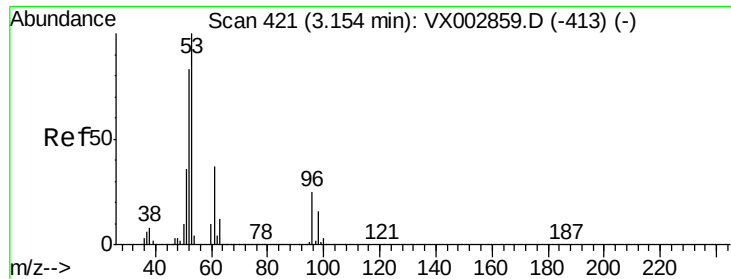
Tot Ion: 59 Resp: 158
Ion Ratio Lower Upper
59 100
57 48.1 8.2 12.2#



#13
Acrolein
Concen: 4.59 ug/l
RT: 2.30 min Scan# 281
Delta R.T. 0.01 min
Lab File: VX002984.D
Acq: 28 Jun 2018 14:48

Tgt Ion: 56 Resp: 155
Ion Ratio Lower Upper
56 100
55 134.2 57.0 85.4#





#15

Acrylonitrile

Concen: 0.30 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX002984.D

Acq: 28 Jun 2018 14:48

Instrument :

MSVOA_X

ClientSampleId :

STORAGEBLANK-SOILREF-5

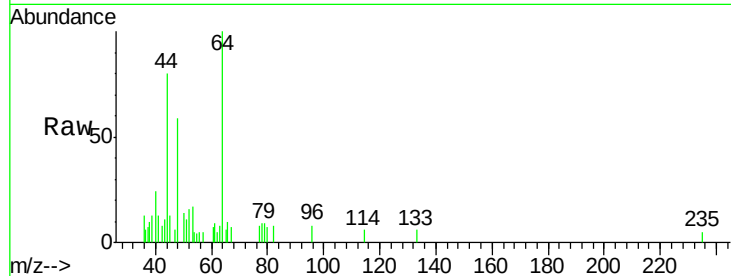
Tot Ion: 53 Resp: 493

Ion Ratio Lower Upper

53 100

52 115.6 66.7 100.1#

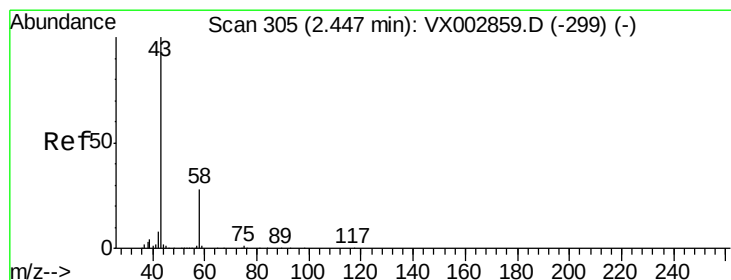
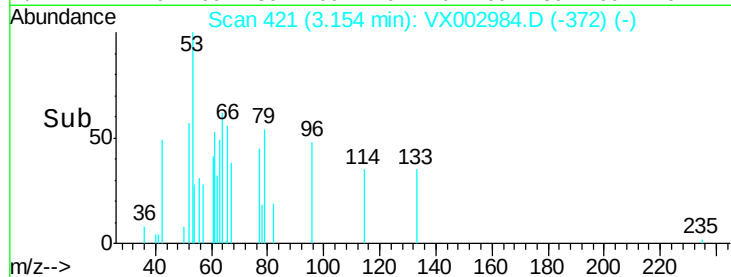
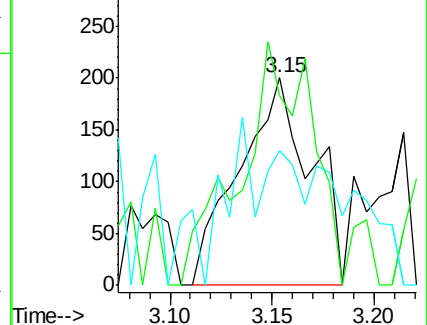
51 29.8 29.9 44.9#



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: 4.46 ug/l

RT: 2.45 min Scan# 305

Delta R.T. 0.00 min

Lab File: VX002984.D

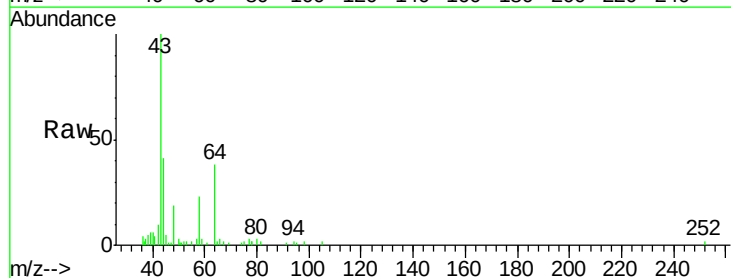
Acq: 28 Jun 2018 14:48

Tgt Ion: 43 Resp: 7061

Ion Ratio Lower Upper

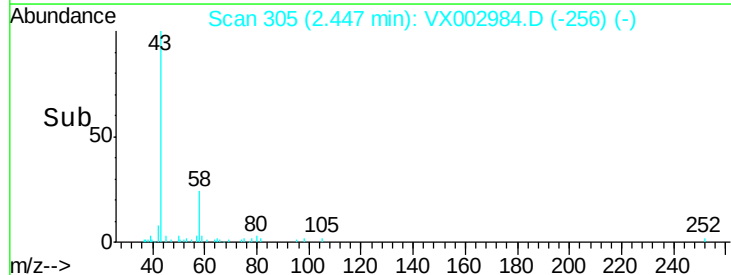
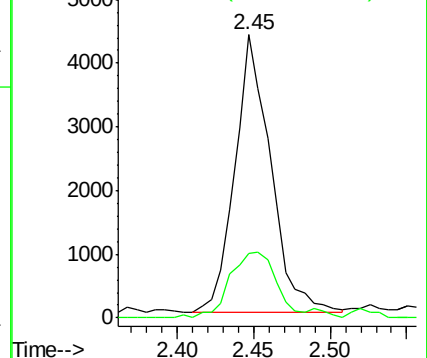
43 100

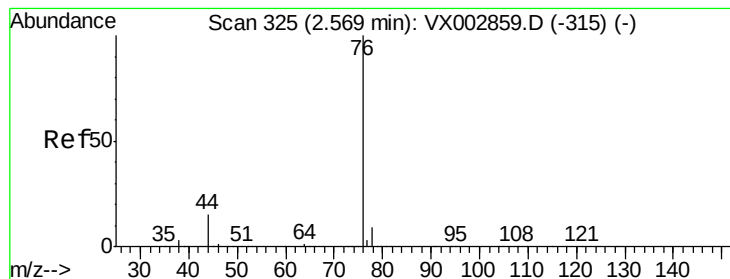
58 23.5 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 0.33 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX002984.D

Acq: 28 Jun 2018 14:48

Instrument :

MSVOA_X

ClientSampleId :

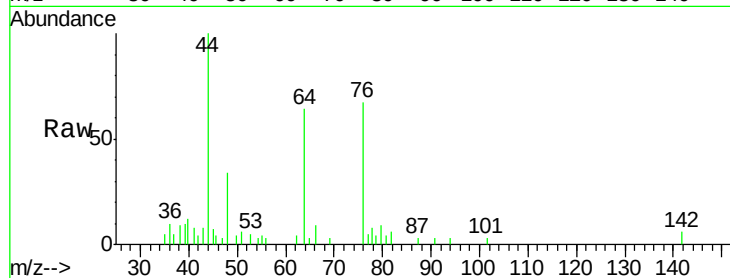
STORAGEBLANK-SOILREF-5

Tot Ion: 76 Resp: 2368

Ion Ratio Lower Upper

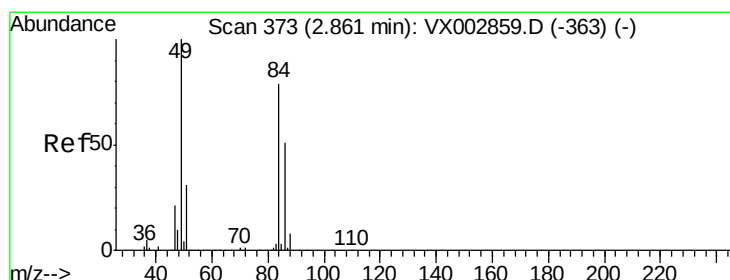
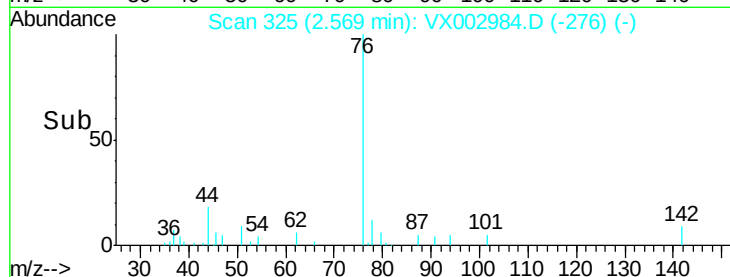
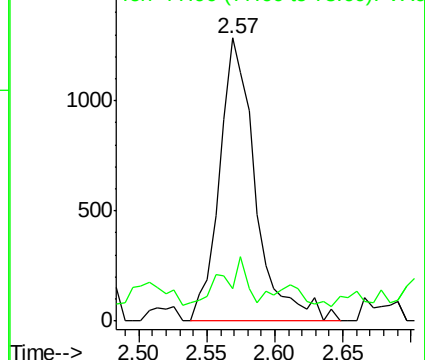
76 100

78 5.0 6.9 10.3#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#20

Methylene Chloride

Concen: 0.66 ug/l

RT: 2.86 min Scan# 373

Delta R.T. 0.00 min

Lab File: VX002984.D

Acq: 28 Jun 2018 14:48

Tgt Ion: 84 Resp: 2031

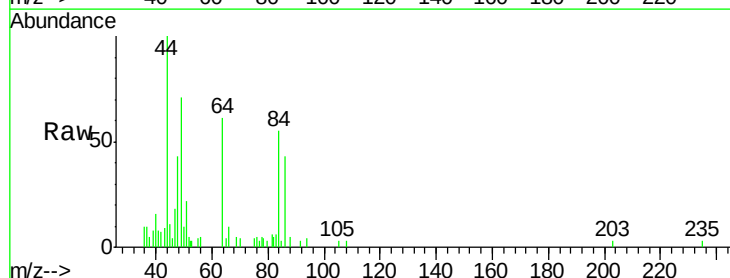
Ion Ratio Lower Upper

84 100

49 130.0 107.8 161.6

51 32.7 32.8 49.2#

86 79.1 52.5 78.7#

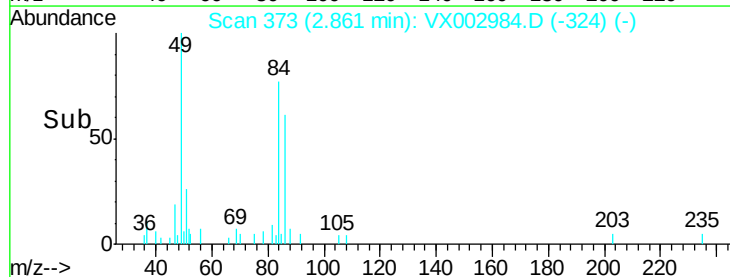
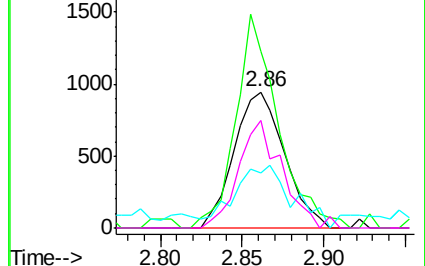


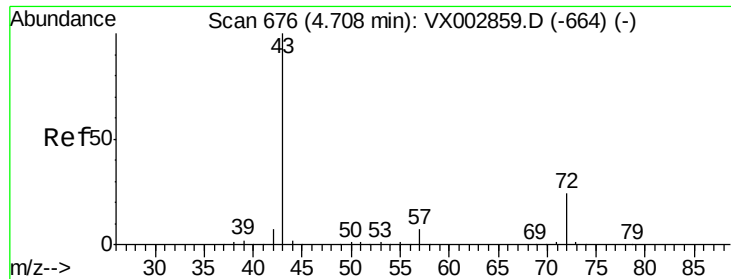
Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0





#25

2-Butanone

Concen: 0.31 ug/l

RT: 4.71 min Scan# 677

Delta R.T. 0.01 min

Lab File: VX002984.D

Acq: 28 Jun 2018 14:48

Instrument :

MSVOA_X

ClientSampleId :

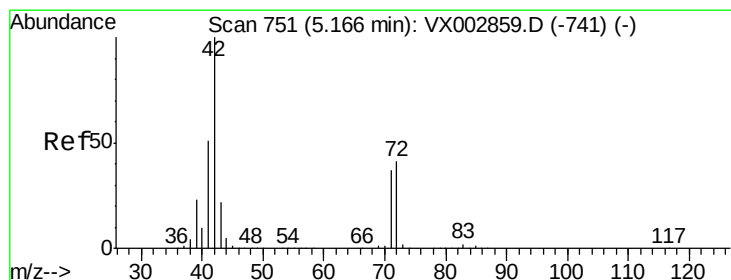
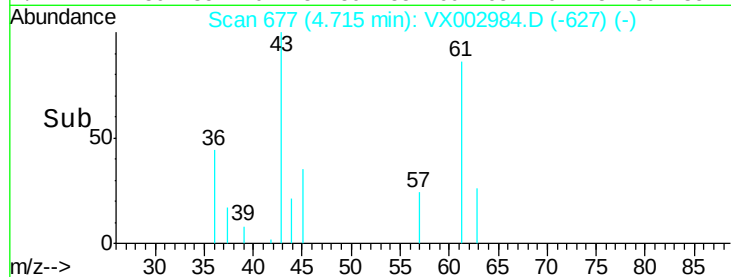
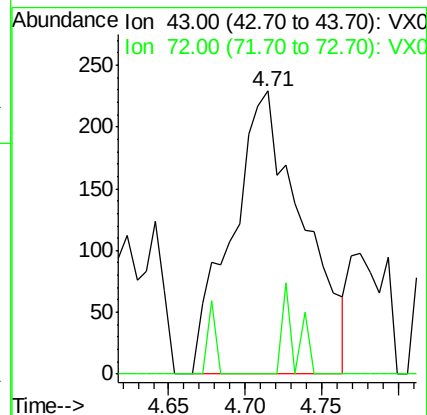
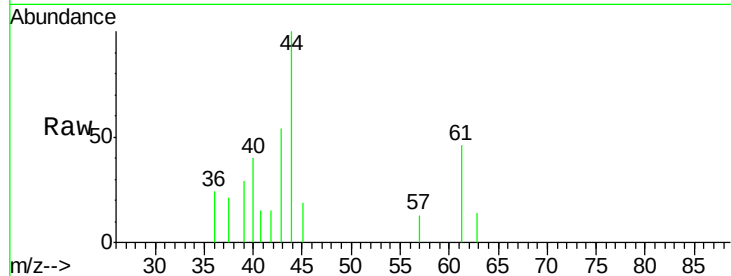
STORAGEBLANK-SOILREF-5

Tot Ion: 43 Resp: 739

Ion Ratio Lower Upper

43 100

72 0.0 18.5 27.7#



#29

Tetrahydrofuran

Concen: 0.29 ug/l

RT: 5.18 min Scan# 754

Delta R.T. 0.02 min

Lab File: VX002984.D

Acq: 28 Jun 2018 14:48

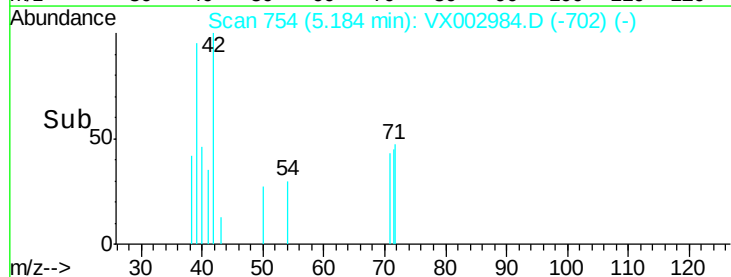
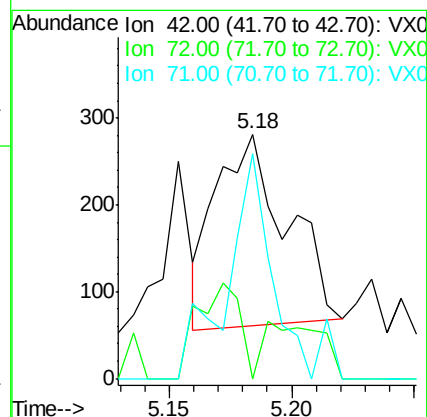
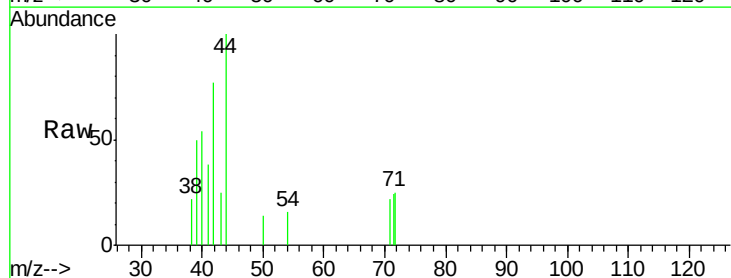
Tgt Ion: 42 Resp: 444

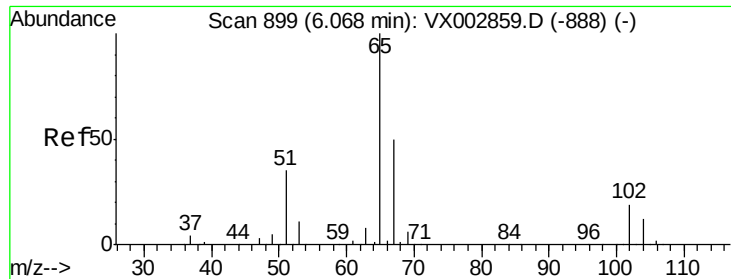
Ion Ratio Lower Upper

42 100

72 23.9 32.0 48.0#

71 72.5 30.1 45.1#

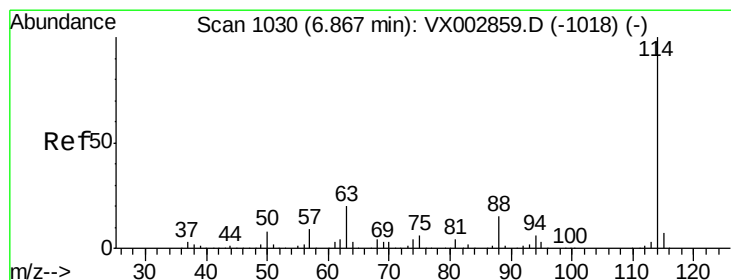
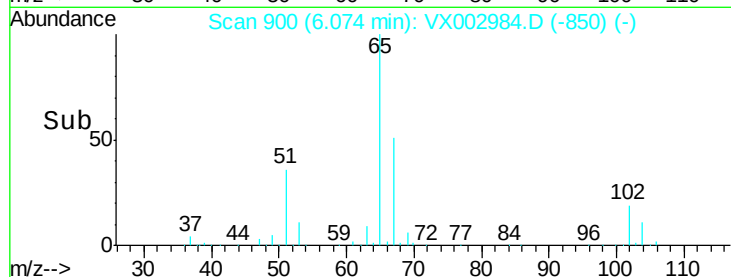
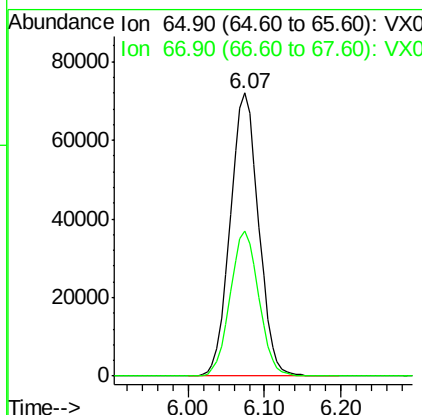
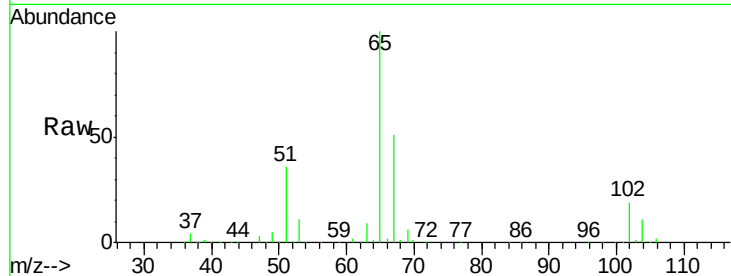




#33
 1,2-Dichloroethane-d4
 Concen: 48.48 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VX002984.D
 Acq: 28 Jun 2018 14:48

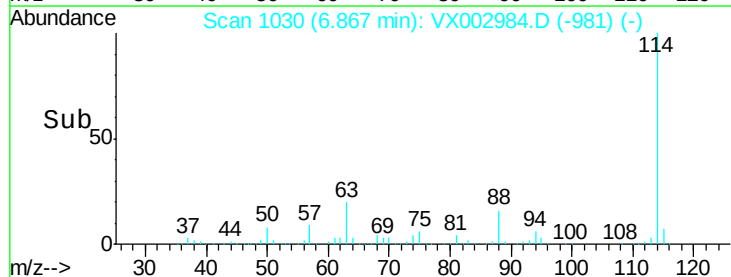
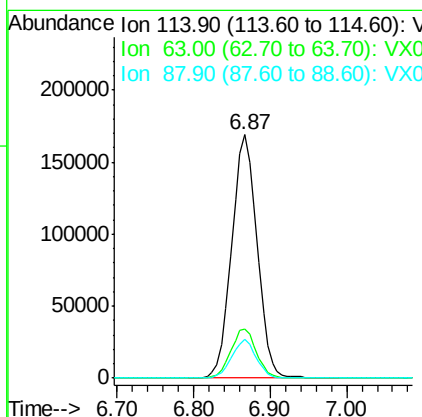
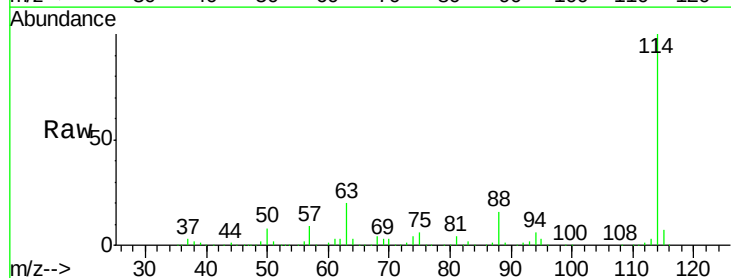
Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGEBLANK-SOILREF-5

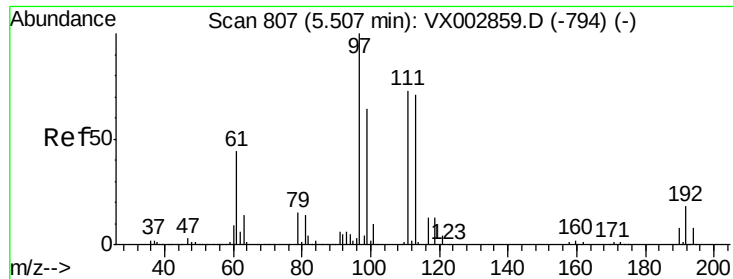
Tot Ion: 65 Resp: 185537
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX002984.D
 Acq: 28 Jun 2018 14:48

Tgt Ion: 114 Resp: 389231
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 41.4
 88 15.8 0.0 30.0

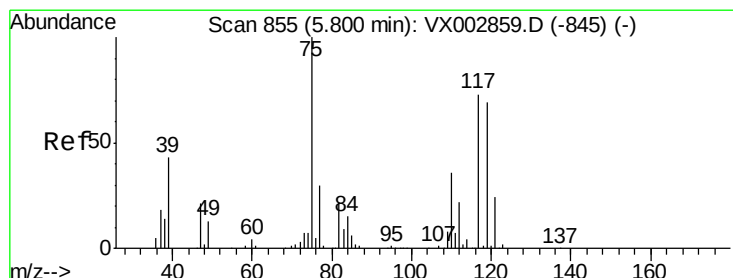
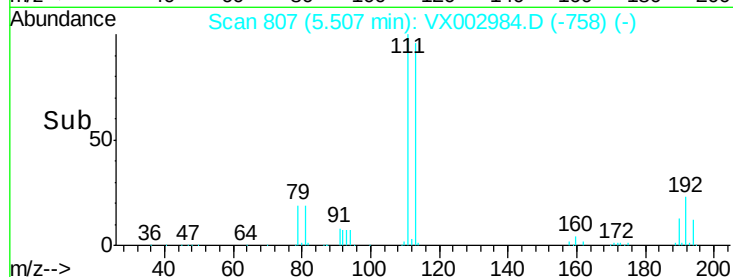
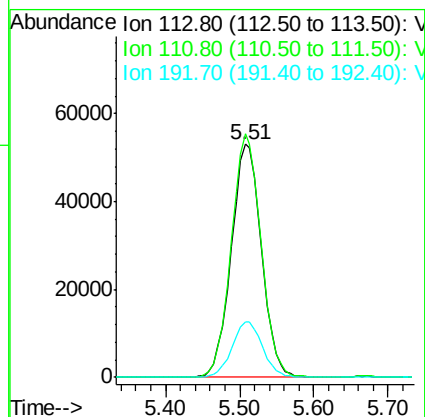
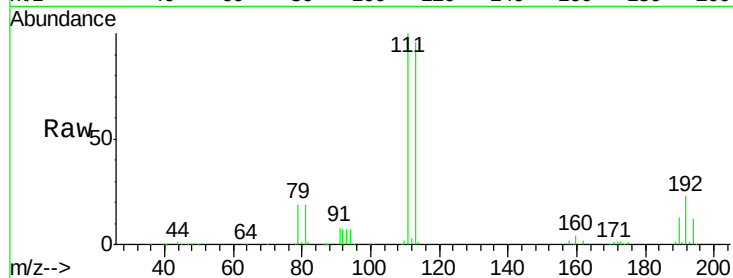




#35
Dibromofluoromethane
Concen: 48.97 ug/l
RT: 5.51 min Scan# 807
Delta R.T. 0.00 min
Lab File: VX002984.D
Acq: 28 Jun 2018 14:48

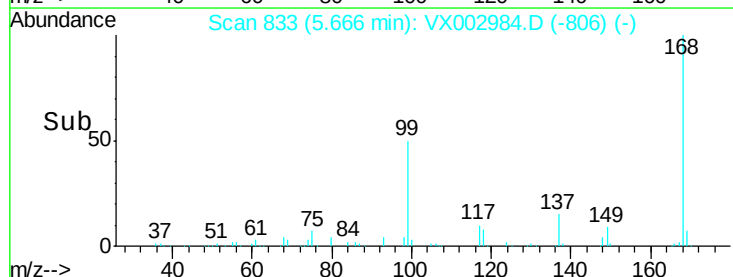
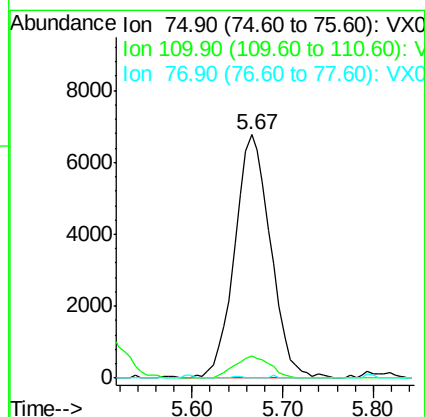
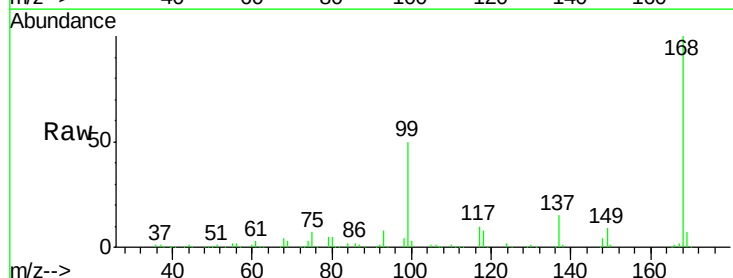
Instrument :
MSVOA_X
ClientSampleId :
STORAGEBLANK-SOILREF-5

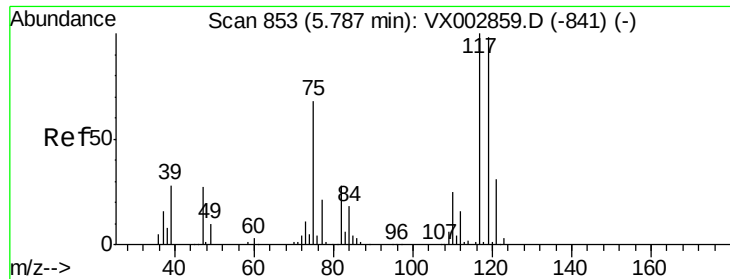
Tot Ion:113 Resp: 150933
Ion Ratio Lower Upper
113 100
111 102.7 81.4 122.0
192 24.0 19.1 28.7



#36
1,1-Dichloropropene
Concen: 4.36 ug/l
RT: 5.67 min Scan# 833
Delta R.T. -0.13 min
Lab File: VX002984.D
Acq: 28 Jun 2018 14:48

Tgt Ion: 75 Resp: 18600
Ion Ratio Lower Upper
75 100
110 9.0 18.1 54.4#
77 0.2 24.3 36.5#





#38

Carbon Tetrachloride

Concen: 5.44 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX002984.D

Acq: 28 Jun 2018 14:48

Instrument :

MSVOA_X

ClientSampleId :

STORAGEBLANK-SOILREF-5

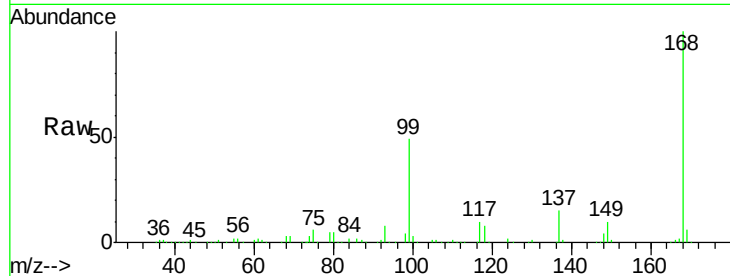
Tot Ion:117 Resp: 25497

Ion Ratio Lower Upper

117 100

119 4.2 77.4 116.0#

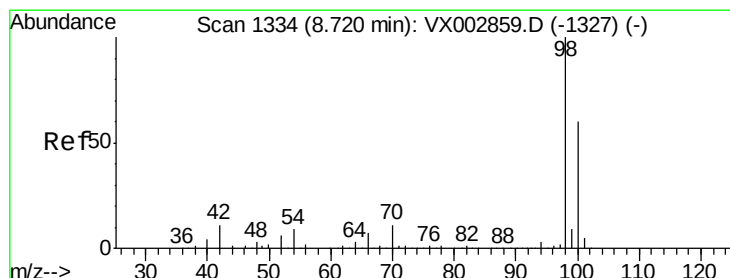
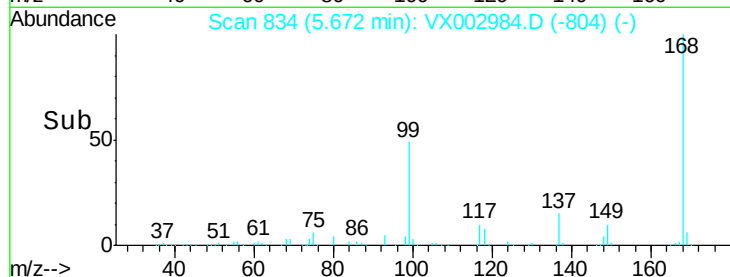
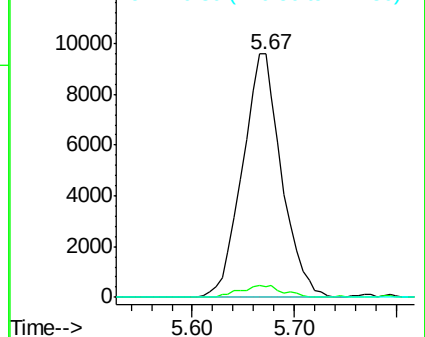
121 0.0 24.4 36.6#



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: 48.45 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX002984.D

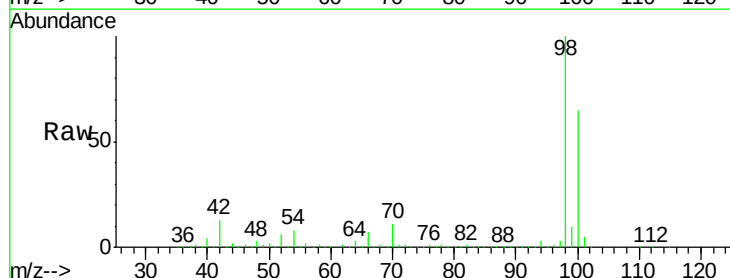
Acq: 28 Jun 2018 14:48

Tgt Ion: 98 Resp: 545321

Ion Ratio Lower Upper

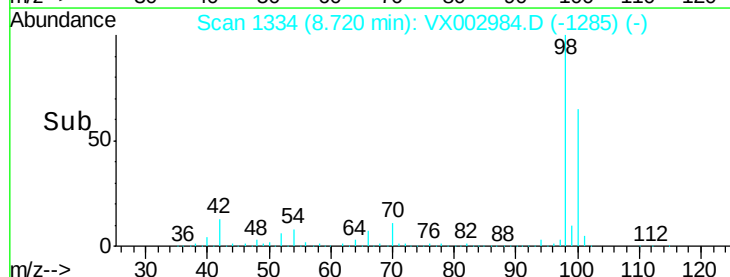
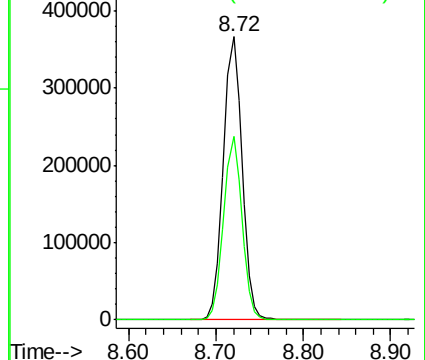
98 100

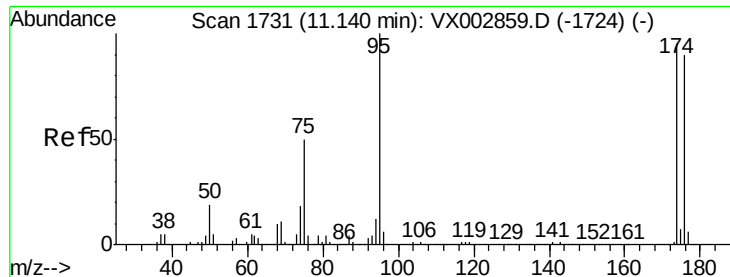
100 63.6 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX

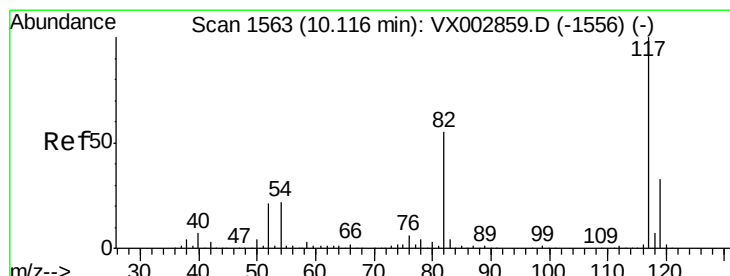
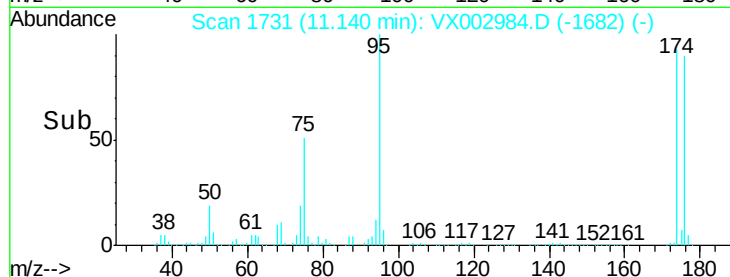
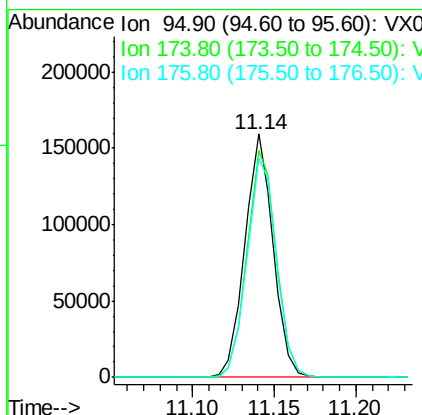
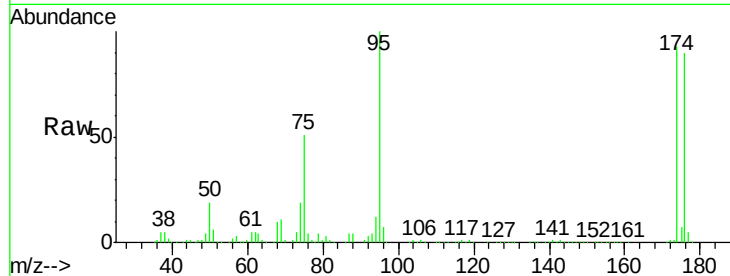




#62
4-Bromofluorobenzene
Concen: 44.37 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX002984.D
Acq: 28 Jun 2018 14:48

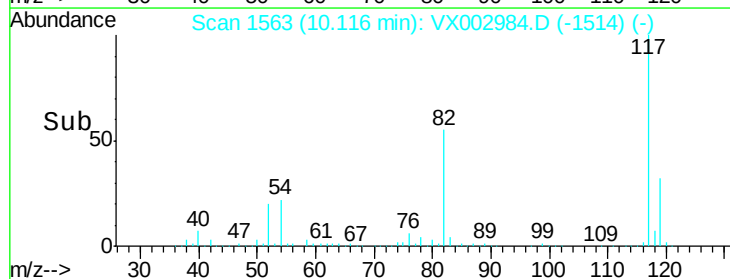
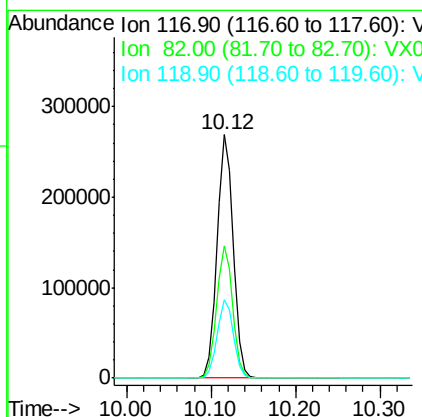
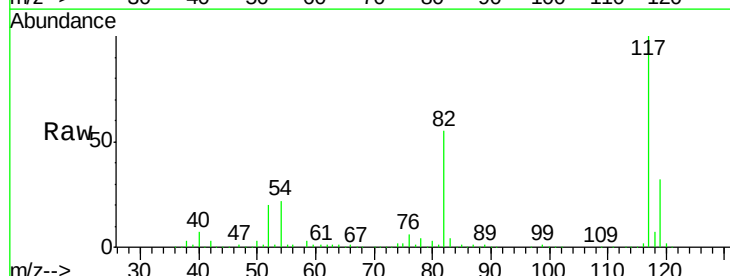
Instrument :
MSVOA_X
ClientSampleId :
STORAGEBLANK-SOILREF-5

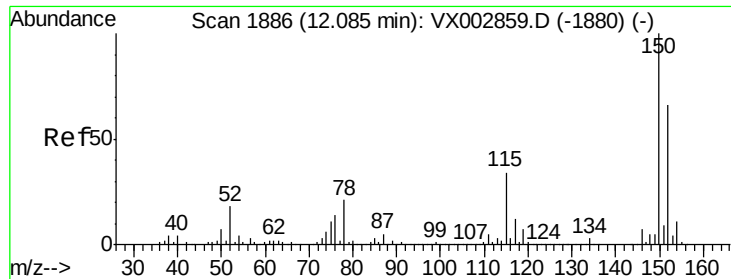
Tot Ion: 95 Resp: 192615
Ion Ratio Lower Upper
95 100
174 97.2 0.0 187.4
176 93.8 0.0 181.0



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX002984.D
Acq: 28 Jun 2018 14:48

Tgt Ion: 117 Resp: 358943
Ion Ratio Lower Upper
117 100
82 54.5 45.0 67.4
119 32.4 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX002984.D

Acq: 28 Jun 2018 14:48

Instrument :

MSVOA_X

ClientSampleId :

STORAGEBLANK-SOILREF-5

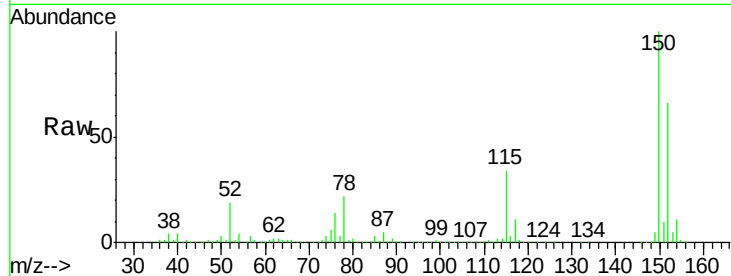
Tot Ion:152 Resp: 205541

Ion Ratio Lower Upper

152 100

115 54.2 40.1 120.2

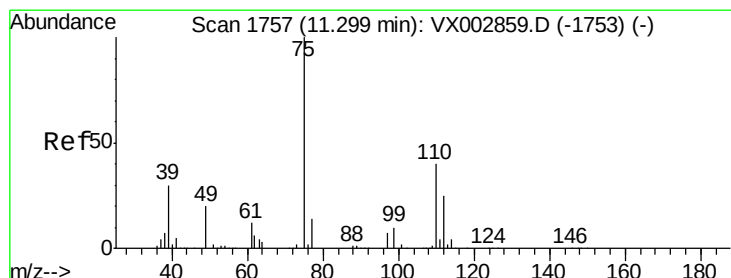
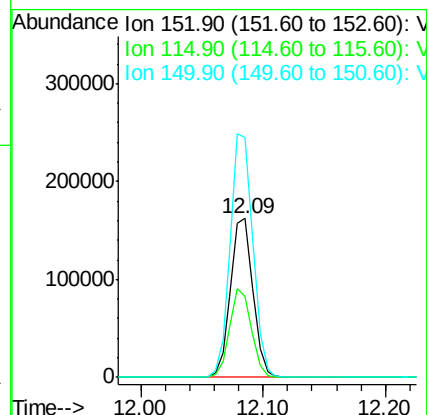
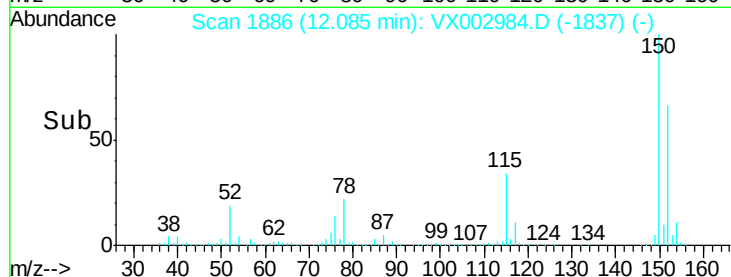
150 154.3 0.0 347.2



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: 26.99 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX002984.D

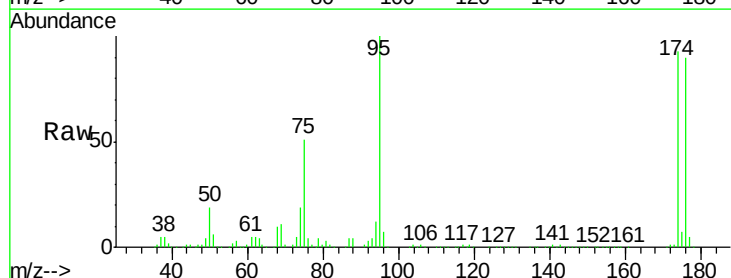
Acq: 28 Jun 2018 14:48

Tgt Ion: 75 Resp: 100505

Ion Ratio Lower Upper

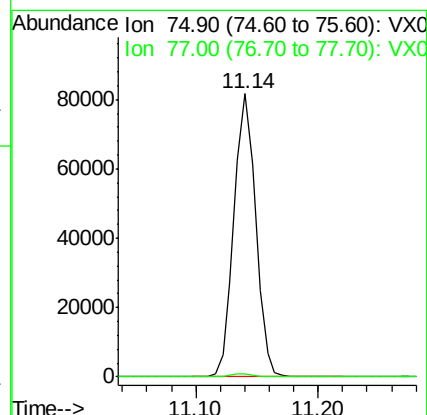
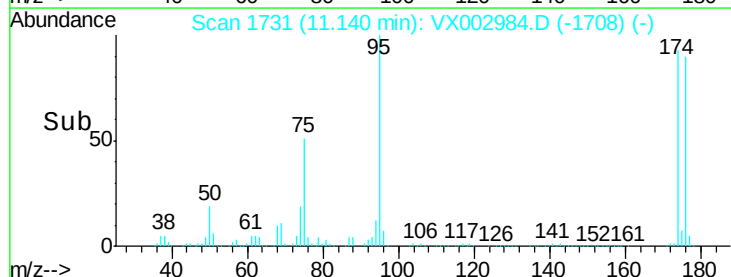
75 100

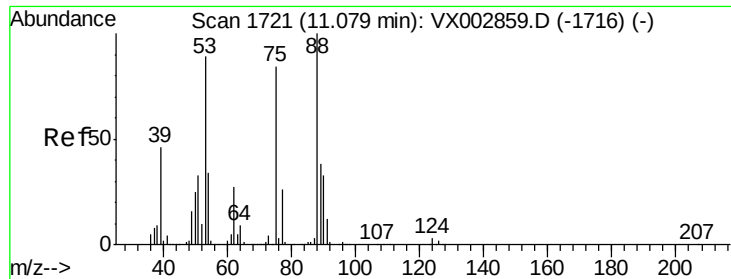
77 1.3 22.8 68.3#



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: 76.42 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX002984.D

Acq: 28 Jun 2018 14:48

Instrument :

MSVOA_X

ClientSampleId :

STORAGEBLANK-SOILREF-5

Tot Ion: 75 Resp: 100505

Ion Ratio Lower Upper

75 100

53 0.1 86.8 130.2#

89 0.0 38.2 57.2#

