

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX080718\
 Data File : VX003875.D
 Acq On : 07 Aug 2018 12:32
 Operator : JC/MD
 Sample : J4337-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE BLANK-SOILREF-6

Quant Time: Aug 08 01:19:04 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080618W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 07:45:48 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	316803	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	488924	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	460601	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	215678	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	218036	51.92	ug/l	0.00
Spiked Amount						
			Recovery	=	103.84%	
35) Dibromofluoromethane	5.50	113	185469	50.07	ug/l	0.00
Spiked Amount						
			Recovery	=	100.14%	
50) Toluene-d8	8.72	98	688826	47.82	ug/l	0.00
Spiked Amount						
			Recovery	=	95.64%	
62) 4-Bromofluorobenzene	11.14	95	239572	51.40	ug/l	0.00
Spiked Amount						
			Recovery	=	102.80%	

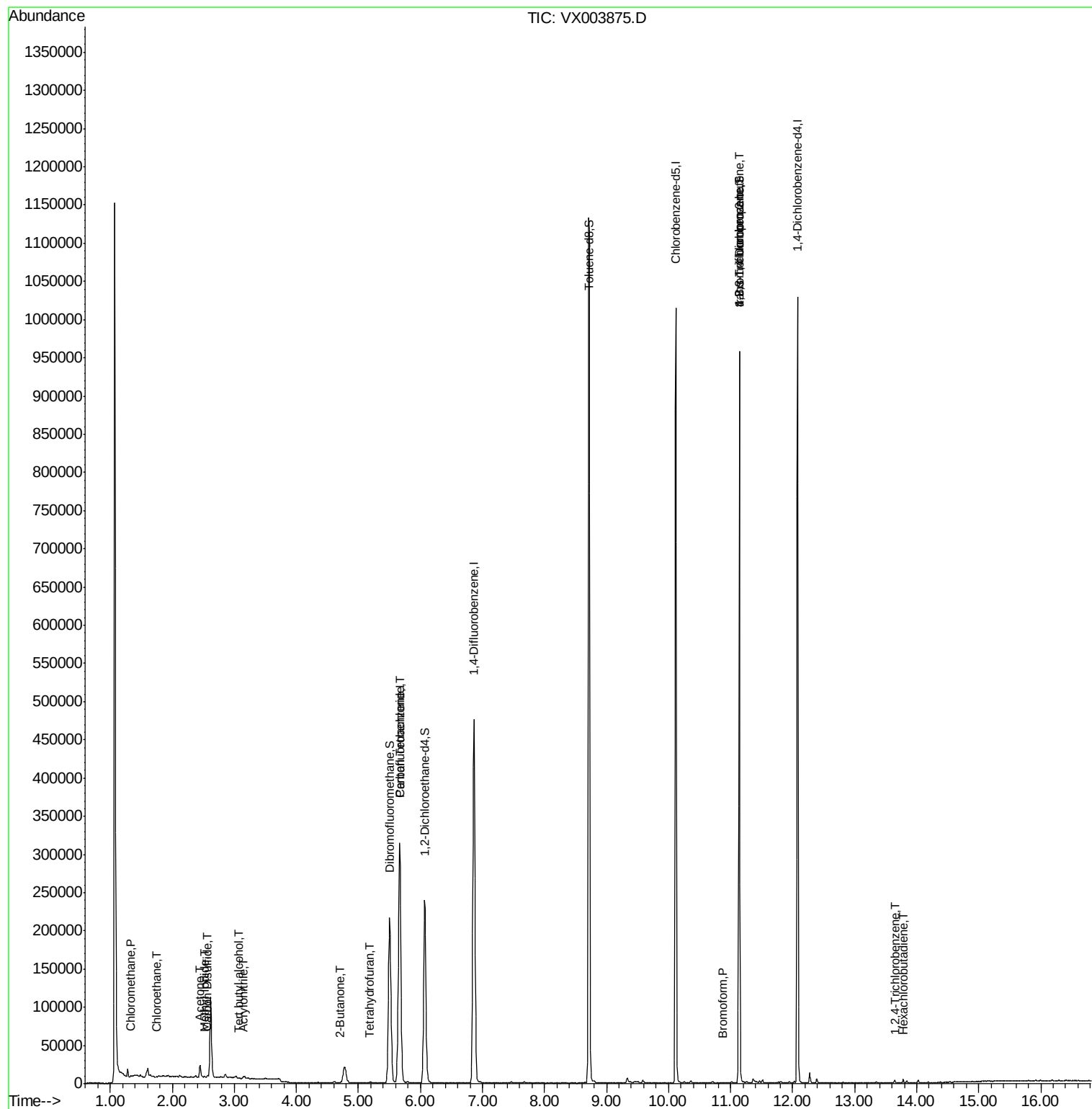
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1236	0.28	ug/l	# 82
5) Bromomethane	1.65	94	764	Below Cal		94
6) Chloroethane	1.75	64	1766	0.63	ug/l	# 52
10) Methyl Iodide	2.51	142	1205	0.27	ug/l	# 86
11) Tert butyl alcohol	3.07	59	310	0.31	ug/l	# 60
13) Acrolein	2.29	56	663	Below Cal		# 54
15) Acrylonitrile	3.15	53	1196	0.50	ug/l	# 59
16) Acetone	2.45	43	16623	6.65	ug/l	96
17) Carbon Disulfide	2.57	76	3793	0.83	ug/l	# 90
20) Methylene Chloride	2.86	84	2374	Below Cal		# 83
25) 2-Butanone	4.70	43	776	0.21	ug/l	92
29) Tetrahydrofuran	5.17	42	612	0.32	ug/l	# 86
38) Carbon Tetrachloride	5.66	117	28308	5.43	ug/l	# 16
71) Bromoform	10.86	173	78	2.93	ug/l	# 28
76) 1,2,3-Trichloropropane	11.14	75	115794	24.31	ug/l	# 36
81) trans-1,4-Dichloro-2-buten	11.14	75	115794	65.41	ug/l	# 9
88) 1,4-Dichlorobenzene	12.03	146	1128	Below Cal		89
93) 1,2,4-Trichlorobenzene	13.65	180	1187	0.21	ug/l	97
94) Hexachlorobutadiene	13.79	225	759	0.74	ug/l	94

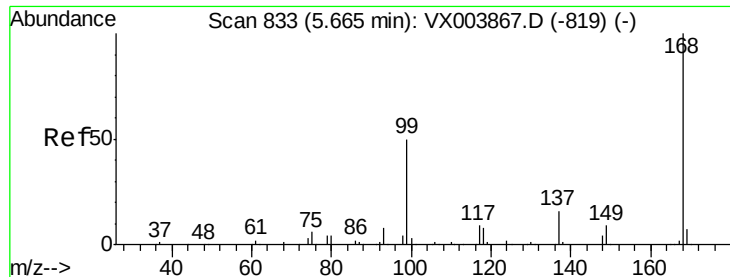
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX003875.D

Acq: 07 Aug 2018 12:32

Instrument :

MSVOA_X

ClientSampleId :

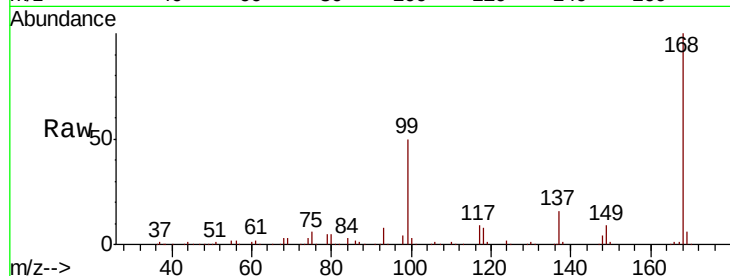
STORAGEBLANK-SOILREF-6

Tot Ion:168 Resp: 316803

Ion Ratio Lower Upper

168 100

99 49.7 40.1 60.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

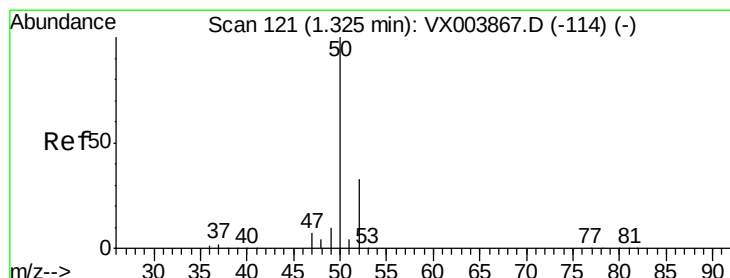
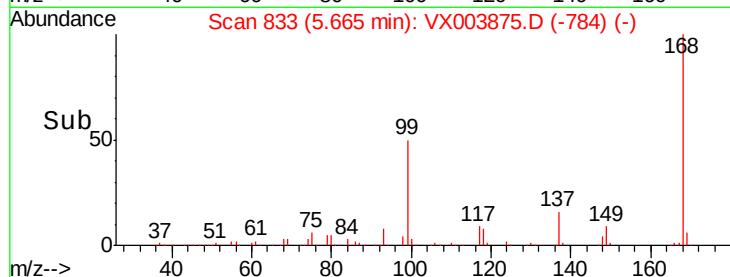
5.67

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.28 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003875.D

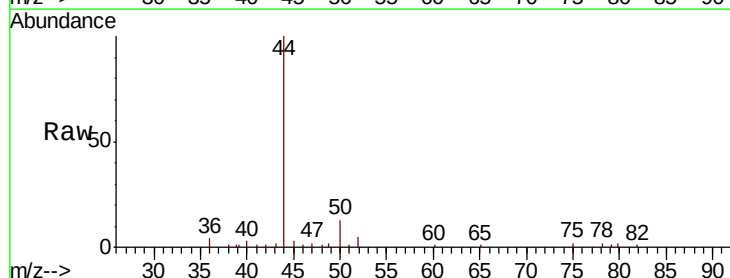
Acq: 07 Aug 2018 12:32

Tgt Ion: 50 Resp: 1236

Ion Ratio Lower Upper

50 100

52 43.4 26.6 39.8#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1000

800

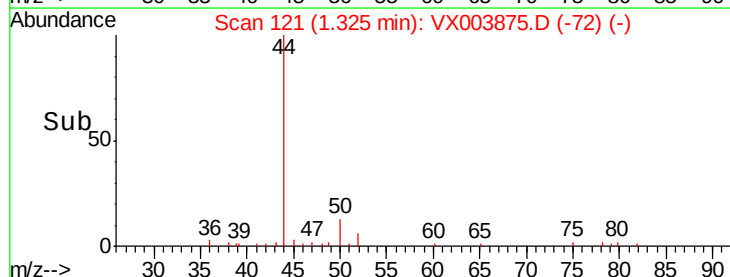
600

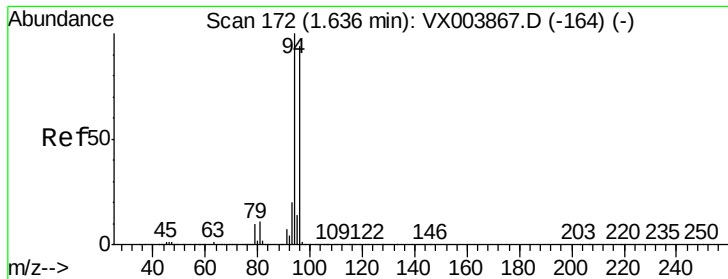
400

200

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX003875.D

Acq: 07 Aug 2018 12:32

Instrument :

MSVOA_X

ClientSampleId :

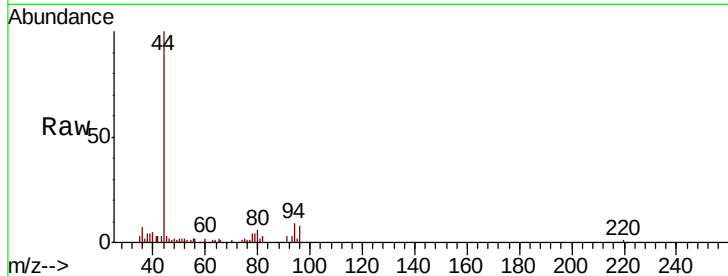
STORAGEBLANK-SOILREF-6

Tot Ion: 94 Resp: 764

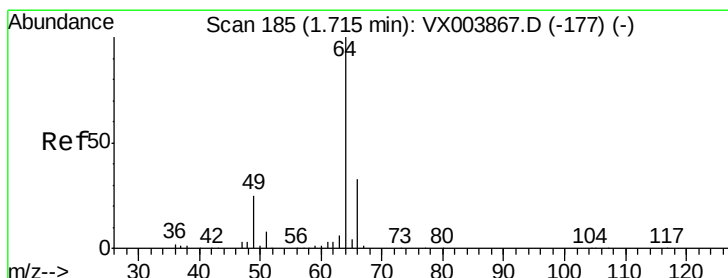
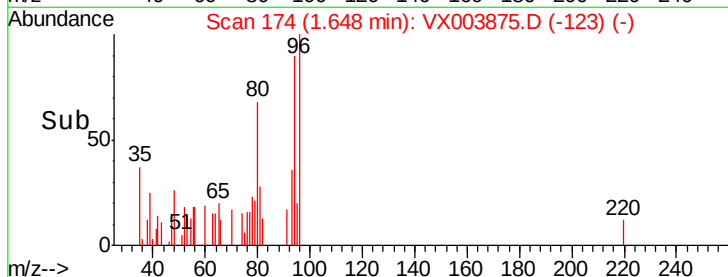
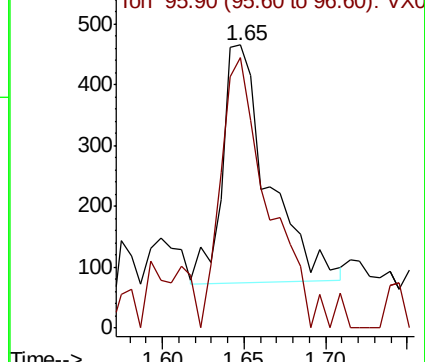
Ion Ratio Lower Upper

94 100

96 99.7 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VX0



#6

Chloroethane

Concen: 0.63 ug/l

RT: 1.75 min Scan# 190

Delta R.T. 0.03 min

Lab File: VX003875.D

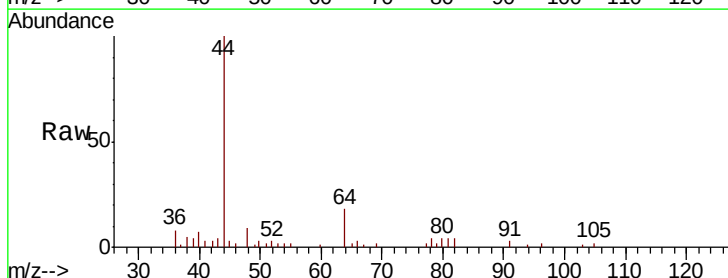
Acq: 07 Aug 2018 12:32

Tgt Ion: 64 Resp: 1766

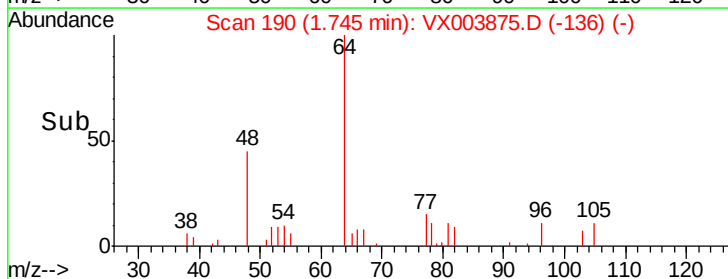
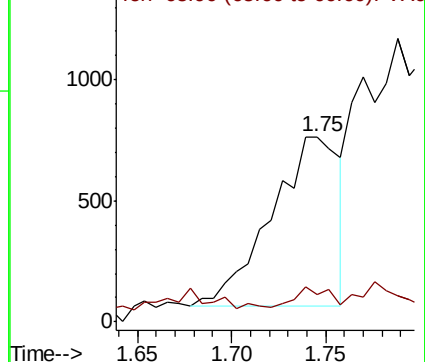
Ion Ratio Lower Upper

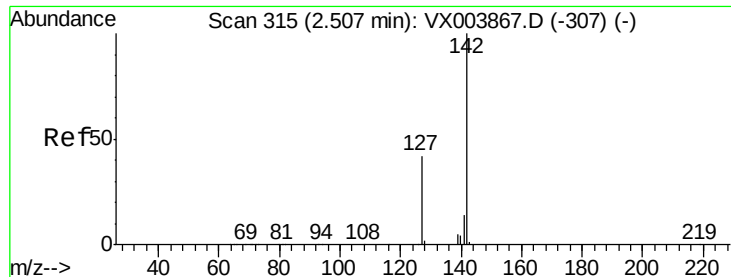
64 100

66 5.8 26.5 39.7#



Abundance Ion 63.90 (63.60 to 64.60): VX0

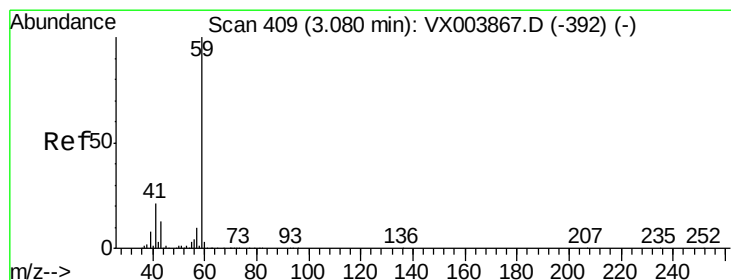
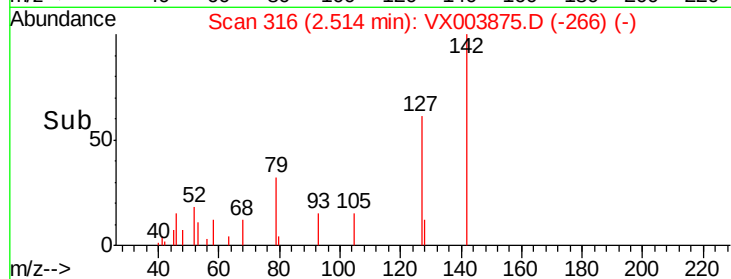
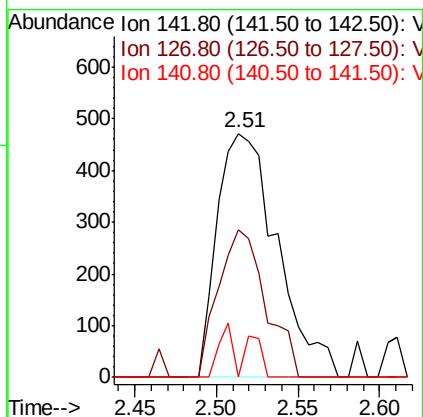
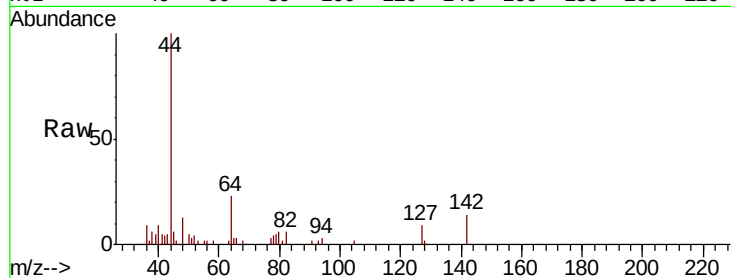




#10
Methyl Iodide
Concen: 0.27 ug/l
RT: 2.51 min Scan# 316
Delta R.T. 0.01 min
Lab File: VX003875.D
Acq: 07 Aug 2018 12:32

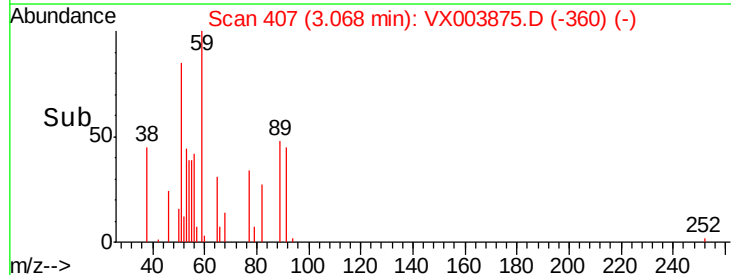
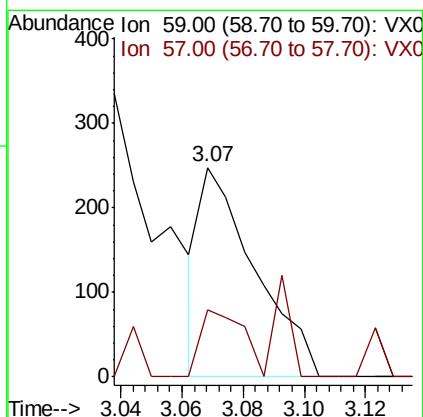
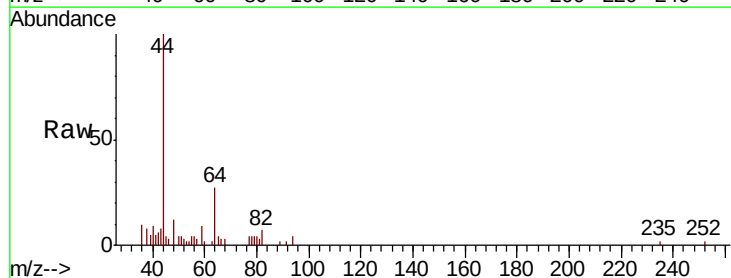
Instrument :
MSVOA_X
ClientSampleId :
STORAGEBLANK-SOILREF-6

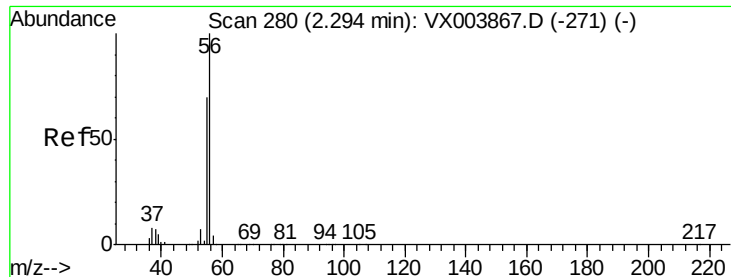
Tot Ion:142 Resp: 1205
Ion Ratio Lower Upper
142 100
127 48.0 33.1 49.7
141 4.7 11.1 16.7#



#11
Tert butyl alcohol
Concen: 0.31 ug/l
RT: 3.07 min Scan# 407
Delta R.T. -0.01 min
Lab File: VX003875.D
Acq: 07 Aug 2018 12:32

Tgt Ion: 59 Resp: 310
Ion Ratio Lower Upper
59 100
57 24.8 8.1 12.1#





#13

Acrolein

Concen: Below Cal

RT: 2.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX003875.D

Acq: 07 Aug 2018 12:32

Instrument :

MSVOA_X

ClientSampleId :

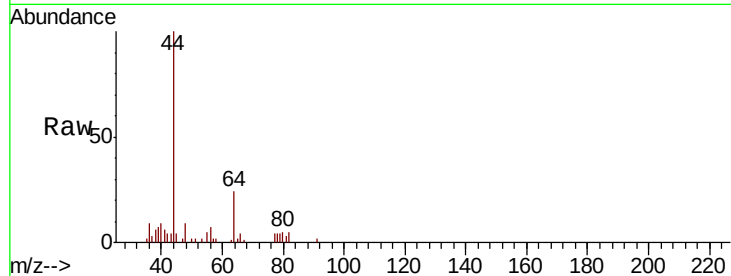
STORAGEBLANK-SOILREF-6

Tot Ion: 56 Resp: 663

Ion Ratio Lower Upper

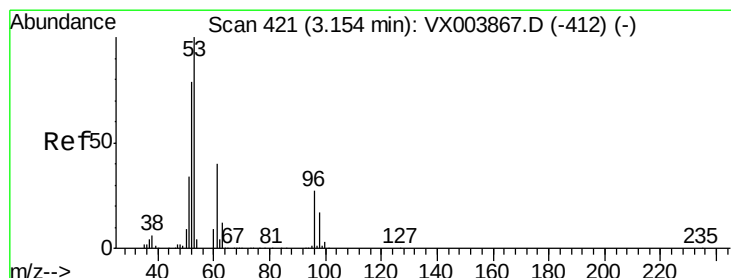
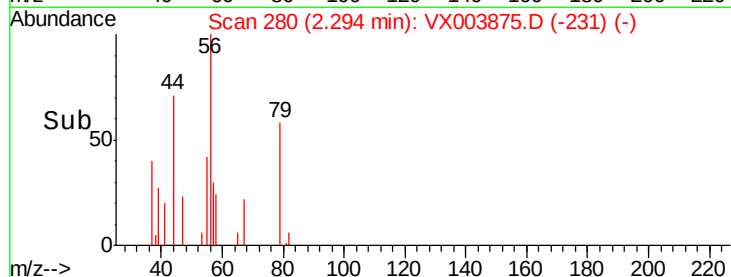
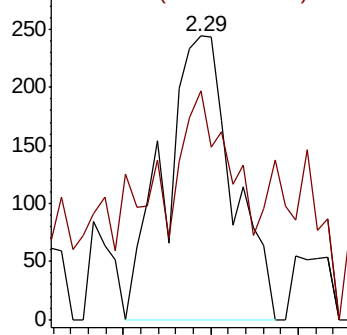
56 100

55 32.7 56.1 84.1#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#15

Acrylonitrile

Concen: 0.50 ug/l

RT: 3.15 min Scan# 420

Delta R.T. -0.01 min

Lab File: VX003875.D

Acq: 07 Aug 2018 12:32

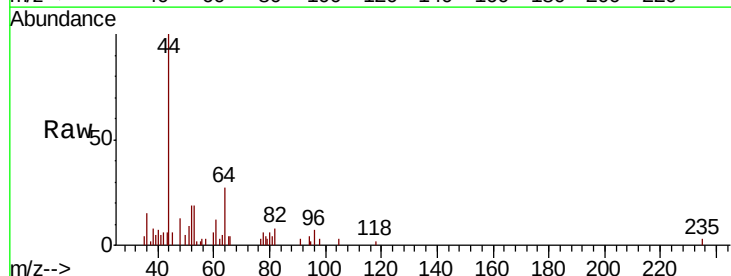
Tgt Ion: 53 Resp: 1196

Ion Ratio Lower Upper

53 100

52 110.5 65.3 97.9#

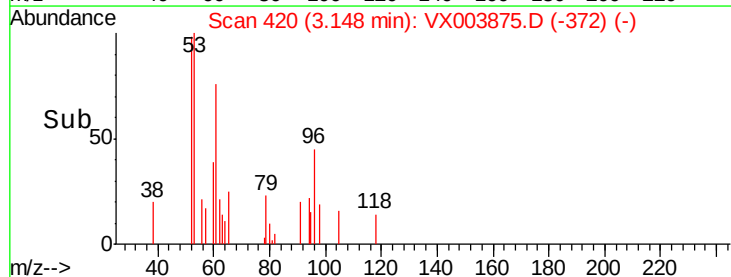
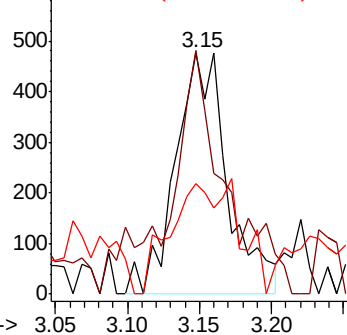
51 0.0 27.9 41.9#

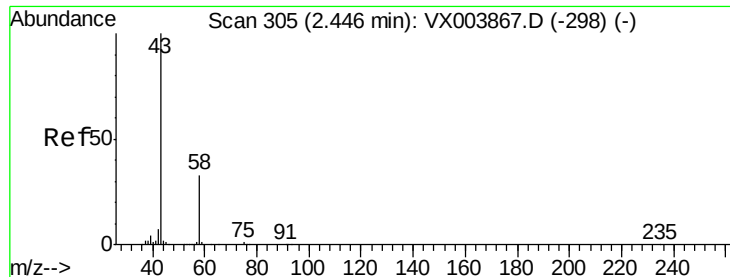


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0





#16

Acetone

Concen: 6.65 ug/l

RT: 2.45 min Scan# 305

Delta R.T. 0.00 min

Lab File: VX003875.D

Acq: 07 Aug 2018 12:32

Instrument :

MSVOA_X

ClientSampleId :

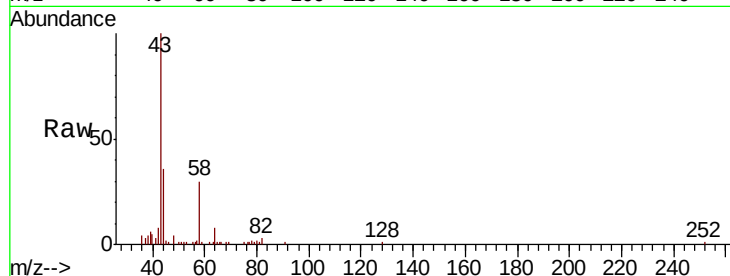
STORAGEBLANK-SOILREF-6

Tot Ion: 43 Resp: 16623

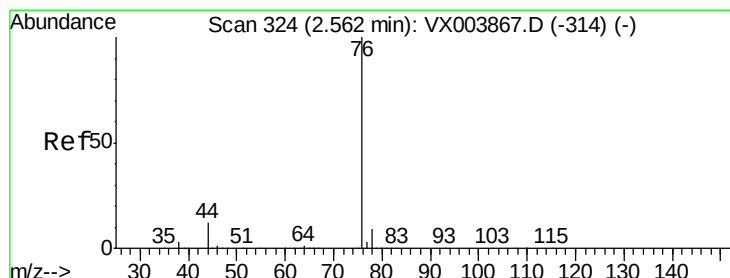
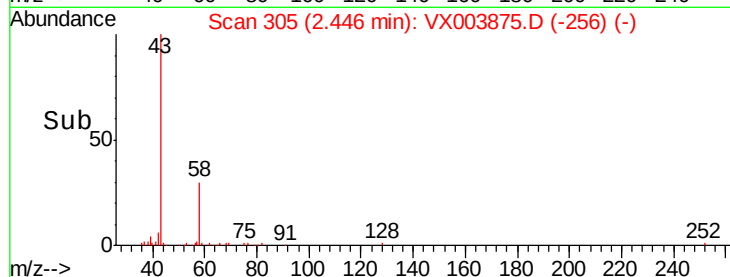
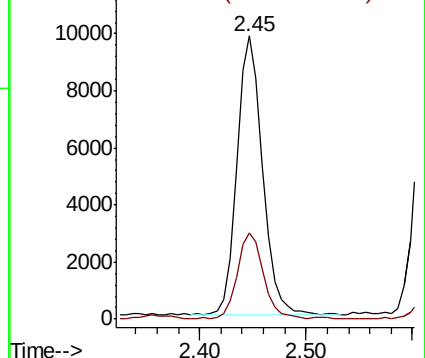
Ion Ratio Lower Upper

43 100

58 30.9 26.4 39.6



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 0.83 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.01 min

Lab File: VX003875.D

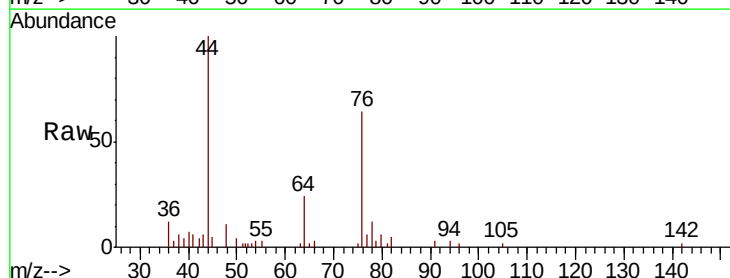
Acq: 07 Aug 2018 12:32

Tgt Ion: 76 Resp: 3793

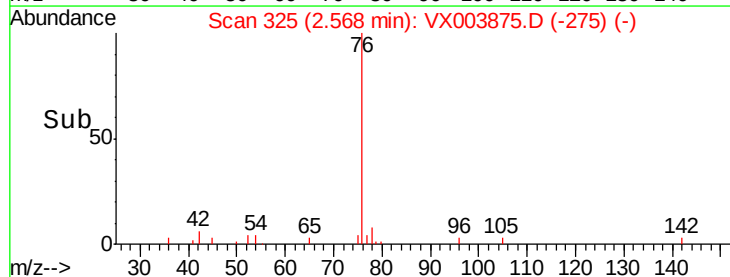
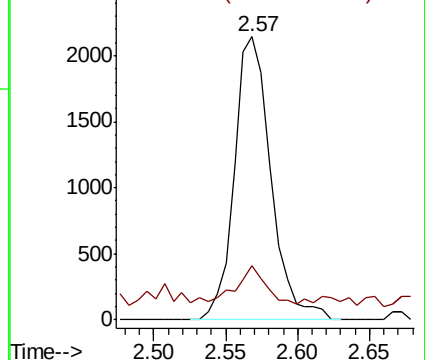
Ion Ratio Lower Upper

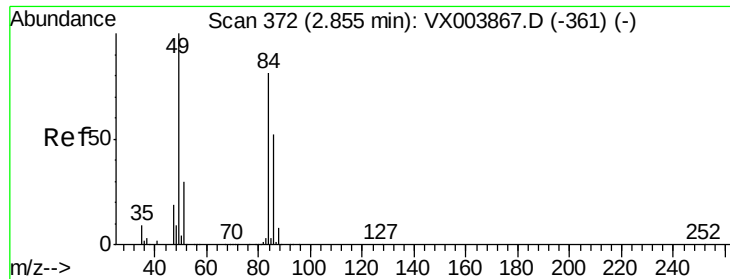
76 100

78 13.1 7.5 11.3#



Abundance Ion 75.90 (75.60 to 76.60): VX0
Ion 77.90 (77.60 to 78.60): VX0

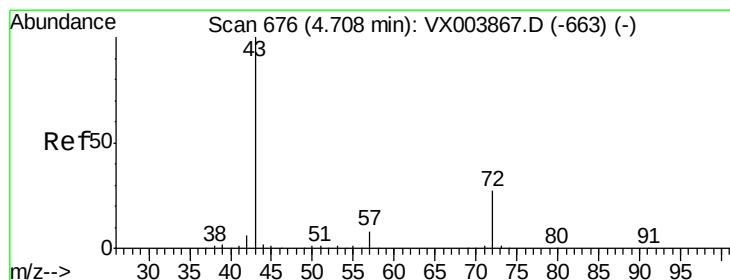
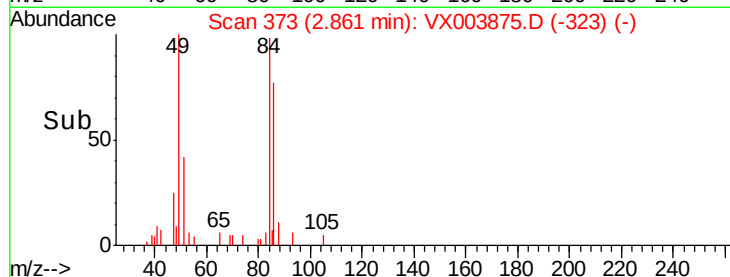
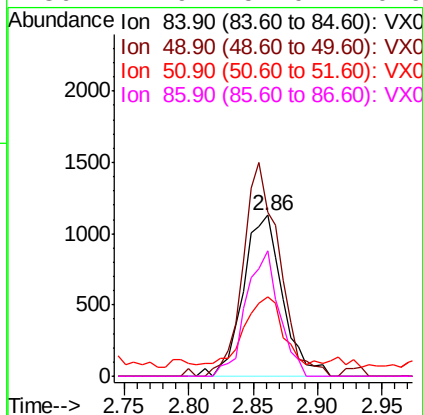
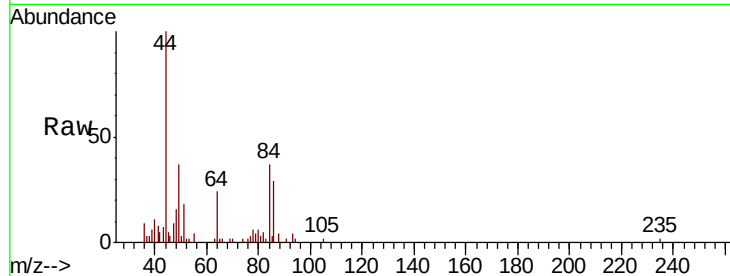




#20
Methylene Chloride
Concen: Below Cal
RT: 2.86 min Scan# 373
Delta R.T. 0.01 min
Lab File: VX003875.D
Acq: 07 Aug 2018 12:32

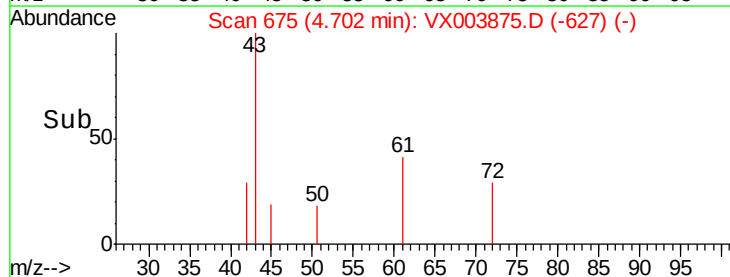
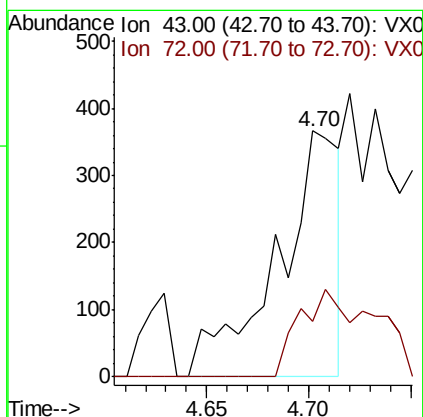
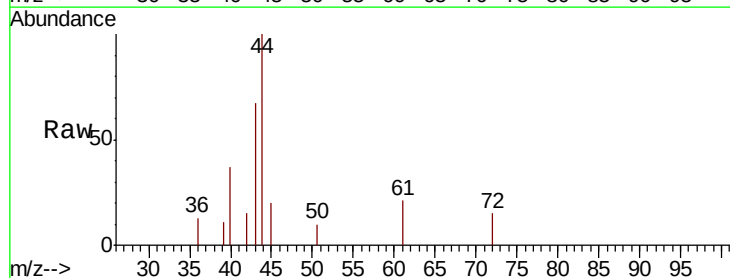
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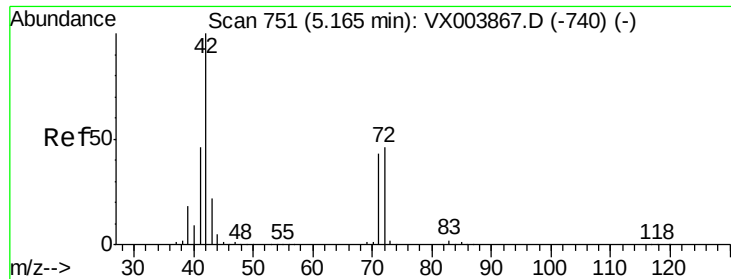
Tot Ion: 84 Resp: 2374
Ion Ratio Lower Upper
84 100
49 101.6 98.9 148.3
51 40.9 29.9 44.9
86 77.9 51.0 76.6#



#25
2-Butanone
Concen: 0.21 ug/l
RT: 4.70 min Scan# 675
Delta R.T. -0.01 min
Lab File: VX003875.D
Acq: 07 Aug 2018 12:32

Tgt Ion: 43 Resp: 776
Ion Ratio Lower Upper
43 100
72 22.7 21.4 32.0

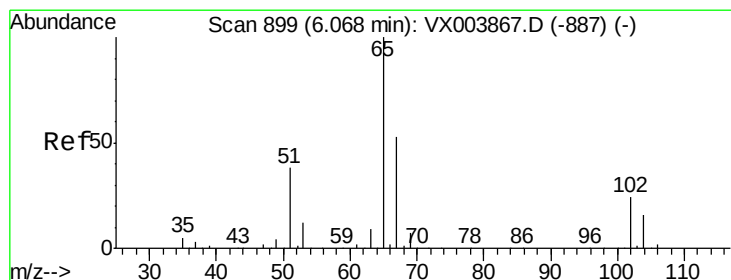
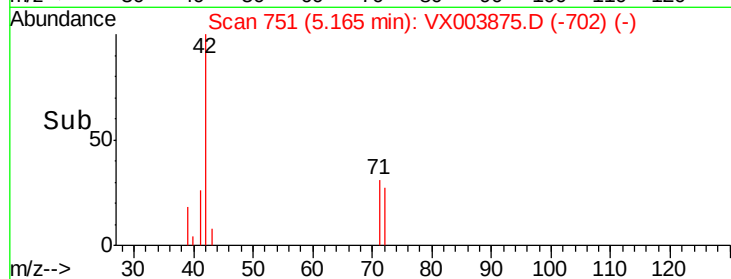
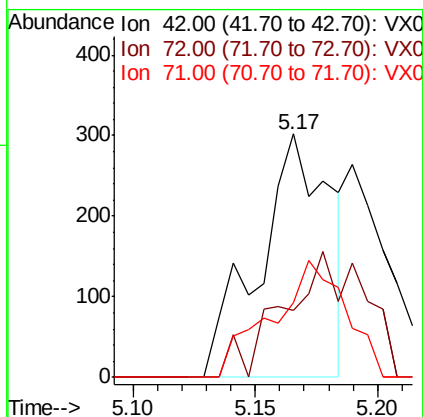
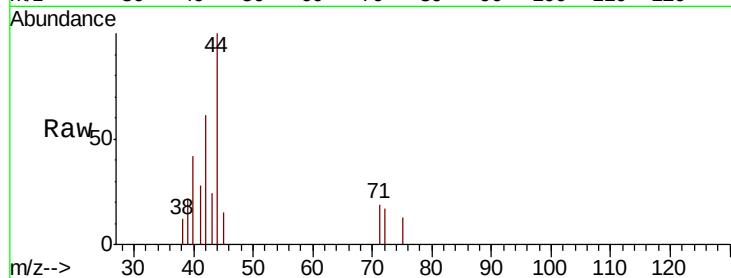




#29
Tetrahydrofuran
Concen: 0.32 ug/l
RT: 5.17 min Scan# 751
Delta R.T. 0.00 min
Lab File: VX003875.D
Acq: 07 Aug 2018 12:32

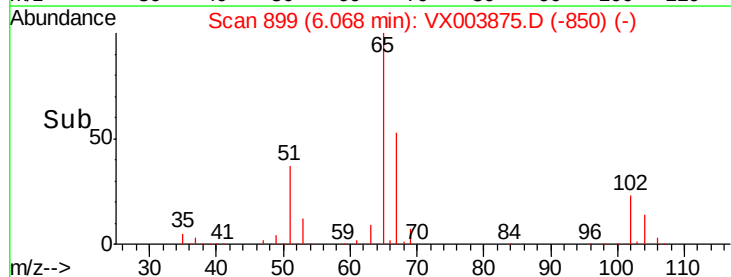
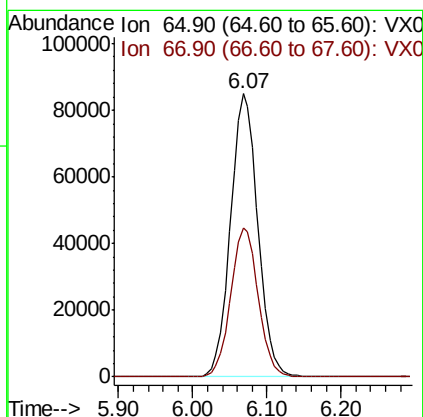
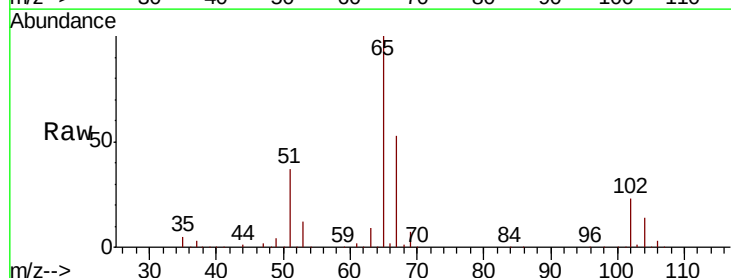
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MSVOA_X
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STORAGEBLANK-SOILREF-6

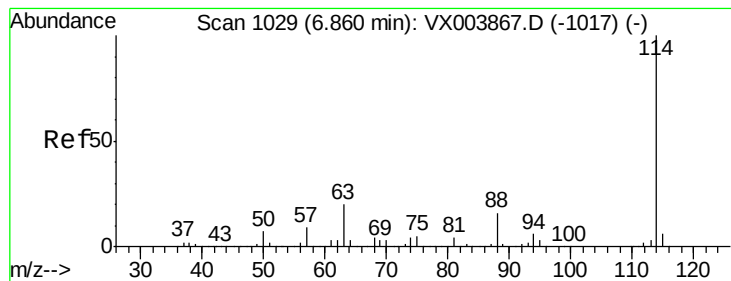
Tot Ion: 42 Resp: 612
Ion Ratio Lower Upper
42 100
72 58.8 37.7 56.5#
71 50.0 35.0 52.6



#33
1,2-Dichloroethane-d4
Concen: 51.92 ug/l
RT: 6.07 min Scan# 899
Delta R.T. 0.00 min
Lab File: VX003875.D
Acq: 07 Aug 2018 12:32

Tgt Ion: 65 Resp: 218036
Ion Ratio Lower Upper
65 100
67 53.1 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. 0.01 min

Lab File: VX003875.D

Acq: 07 Aug 2018 12:32

Instrument :

MSVOA_X

ClientSampleId :

STORAGEBLANK-SOILREF-6

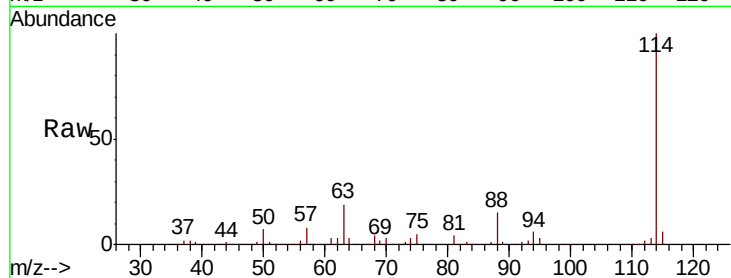
Tot Ion:114 Resp: 488924

Ion Ratio Lower Upper

114 100

63 19.2 0.0 39.0

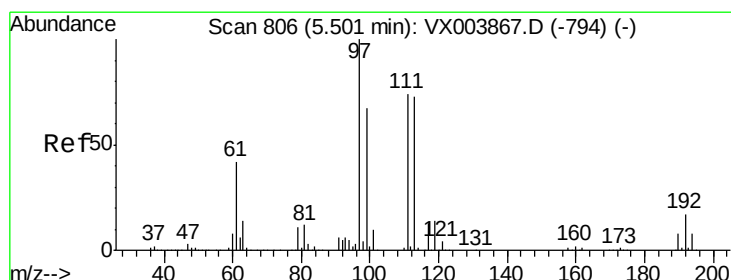
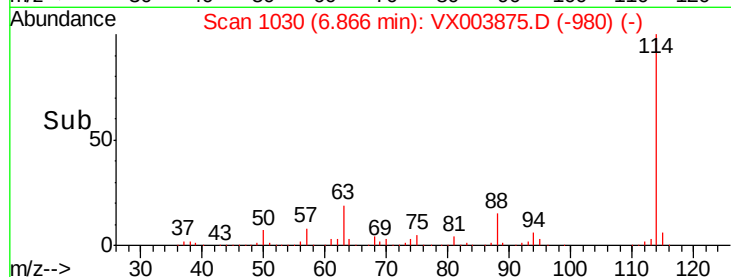
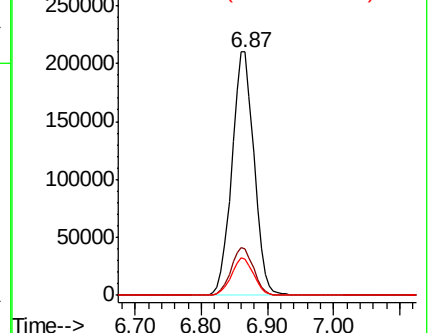
88 15.1 0.0 32.0



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: 50.07 ug/l

RT: 5.50 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX003875.D

Acq: 07 Aug 2018 12:32

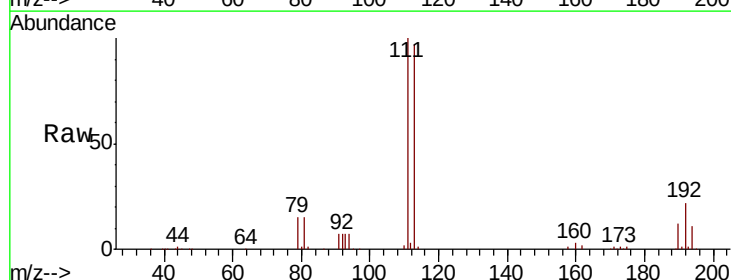
Tgt Ion:113 Resp: 185469

Ion Ratio Lower Upper

113 100

111 101.3 82.0 123.0

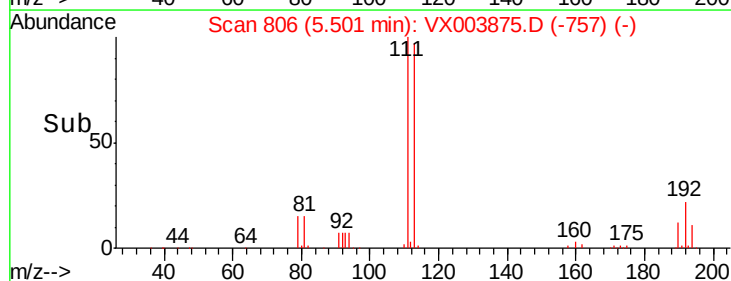
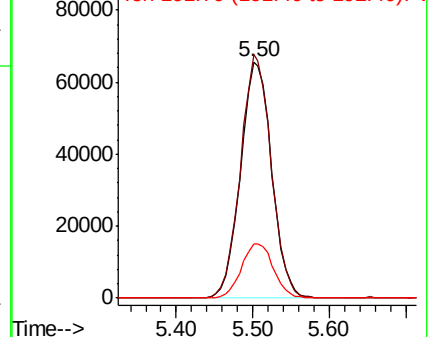
192 23.6 19.0 28.4

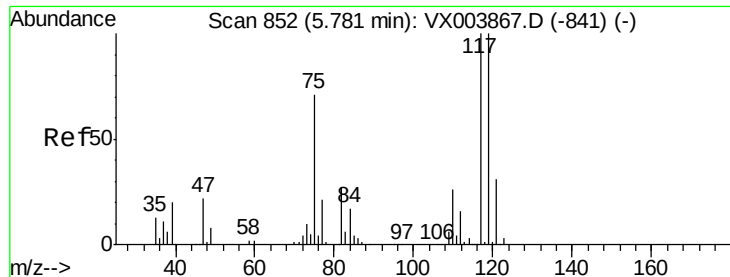


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#38

Carbon Tetrachloride

Concen: 5.43 ug/l

RT: 5.66 min Scan# 832

Delta R.T. -0.12 min

Lab File: VX003875.D

Acq: 07 Aug 2018 12:32

Instrument :

MSVOA_X

ClientSampleId :

STORAGEBLANK-SOILREF-6

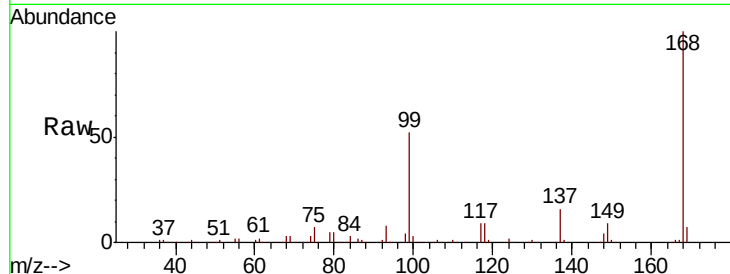
Tot Ion:117 Resp: 28308

Ion Ratio Lower Upper

117 100

119 6.8 79.5 119.3#

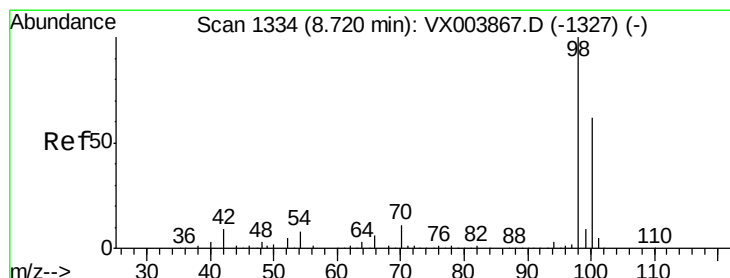
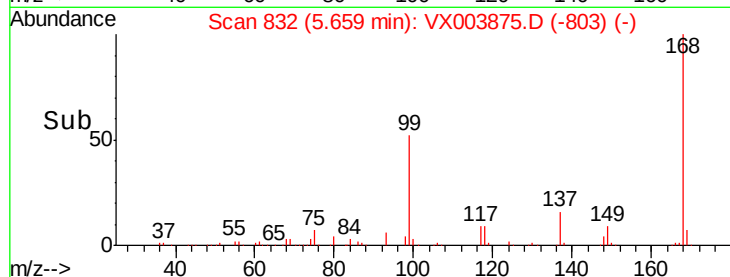
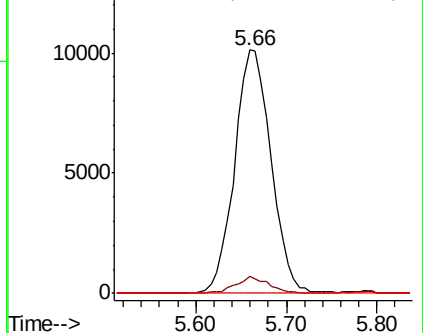
121 0.0 25.0 37.4#



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: 47.82 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX003875.D

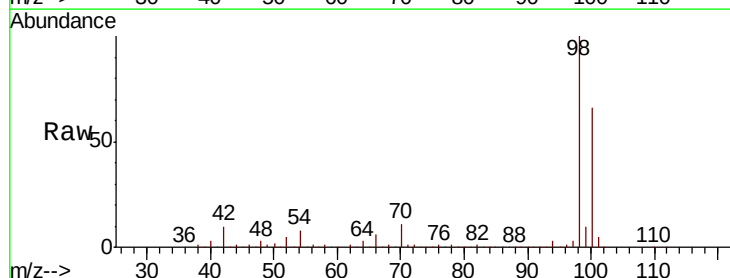
Acq: 07 Aug 2018 12:32

Tgt Ion: 98 Resp: 688826

Ion Ratio Lower Upper

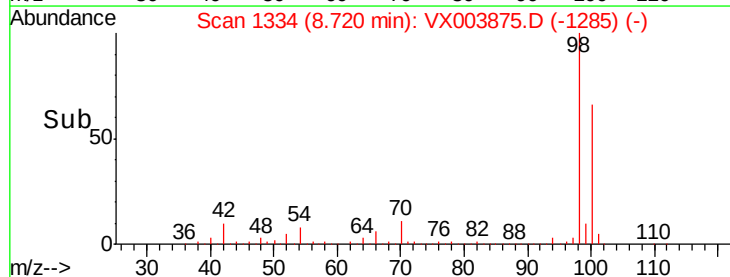
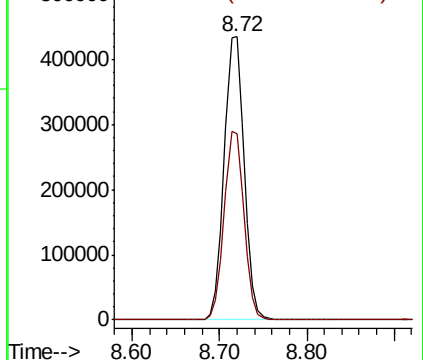
98 100

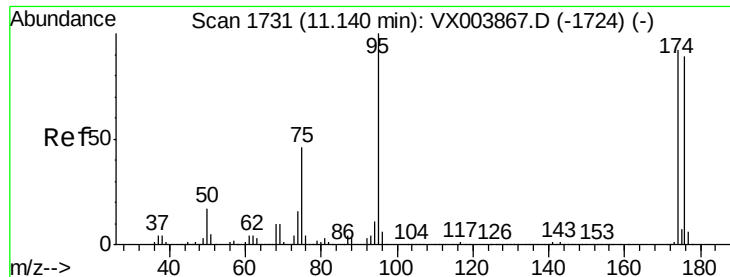
100 66.2 53.3 79.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 51.40 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003875.D

Acq: 07 Aug 2018 12:32

Instrument :

MSVOA_X

ClientSampleId :

STORAGEBLANK-SOILREF-6

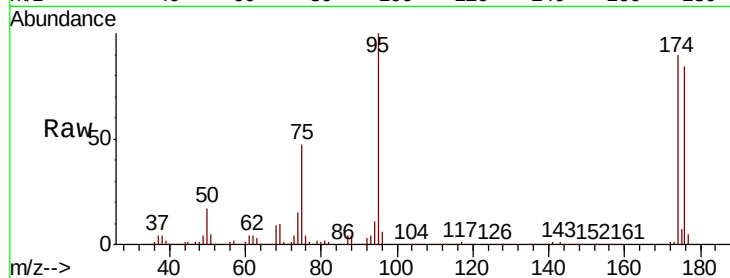
Tot Ion: 95 Resp: 239572

Ion Ratio Lower Upper

95 100

174 89.4 0.0 182.8

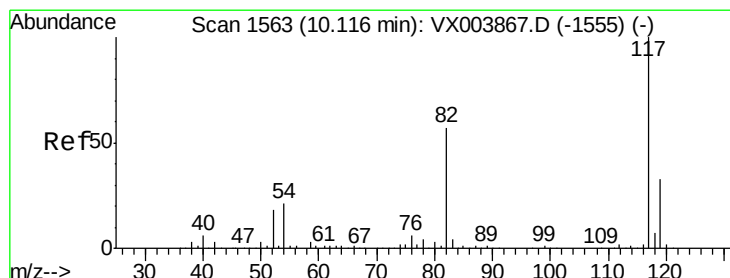
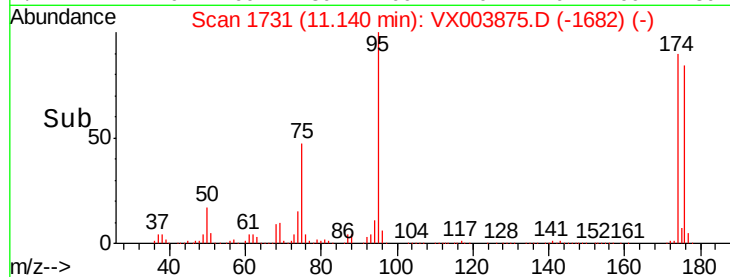
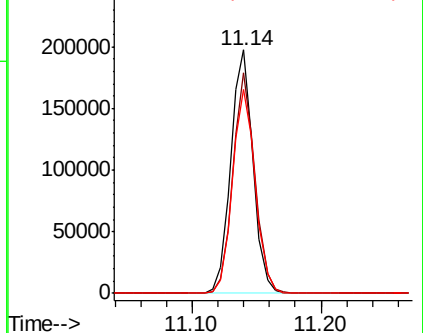
176 85.4 0.0 179.0



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: VX003875.D

Acq: 07 Aug 2018 12:32

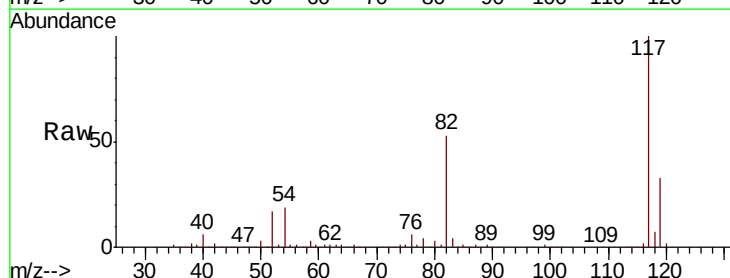
Tgt Ion: 117 Resp: 460601

Ion Ratio Lower Upper

117 100

82 53.0 45.4 68.0

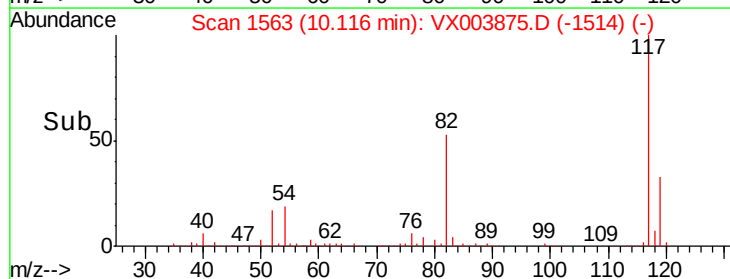
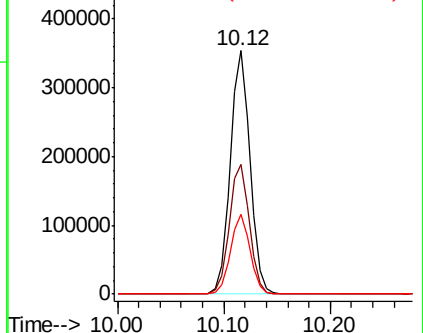
119 32.8 26.6 40.0

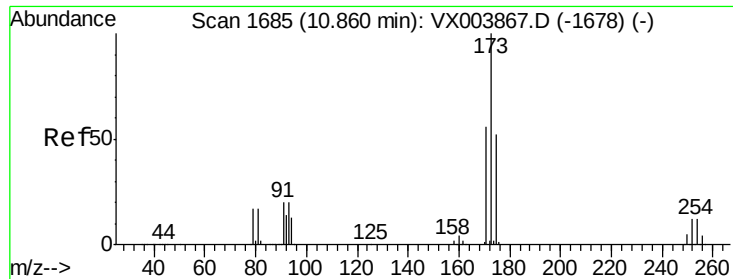


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#71

Bromoform

Concen: 2.93 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VX003875.D

Acq: 07 Aug 2018 12:32

Instrument :

MSVOA_X

ClientSampleId :

STORAGEBLANK-SOILREF-6

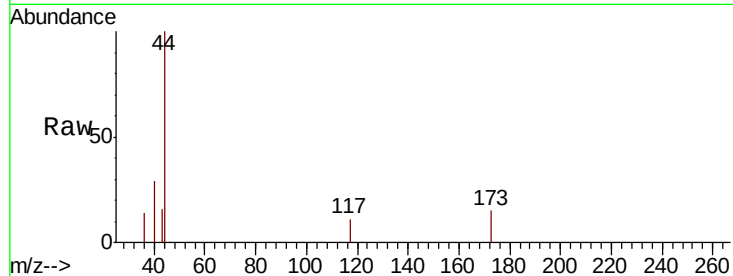
Tot Ion:173 Resp: 78

Ion Ratio Lower Upper

173 100

175 0.0 24.9 74.7#

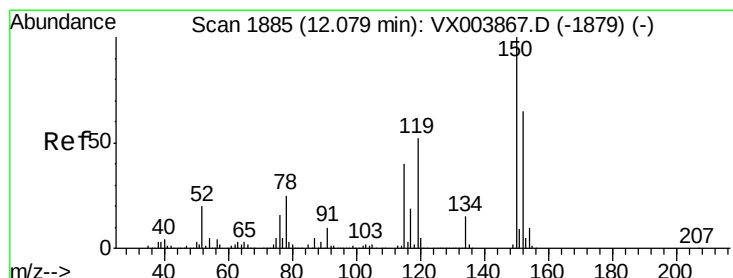
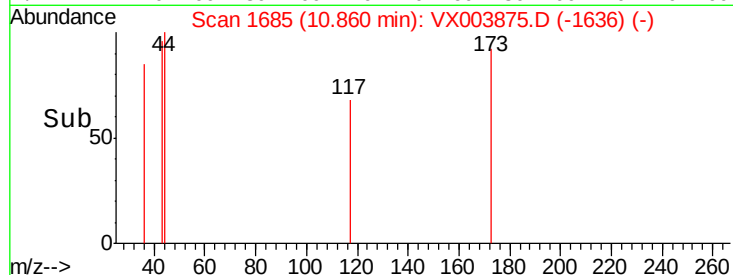
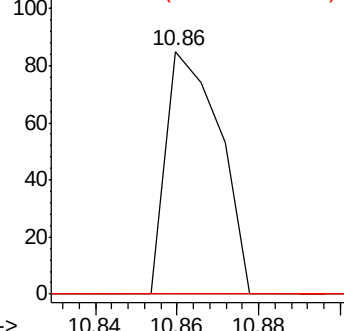
254 0.0 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VX003875.D

Acq: 07 Aug 2018 12:32

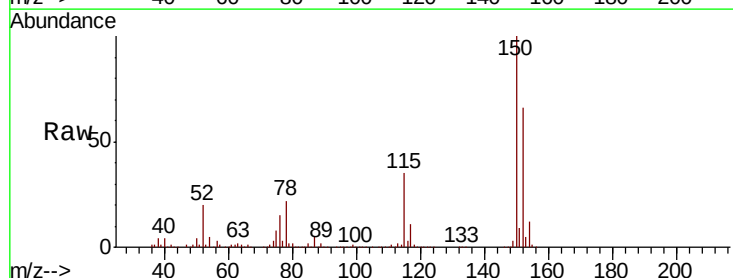
Tgt Ion:152 Resp: 215678

Ion Ratio Lower Upper

152 100

115 55.2 39.1 117.3

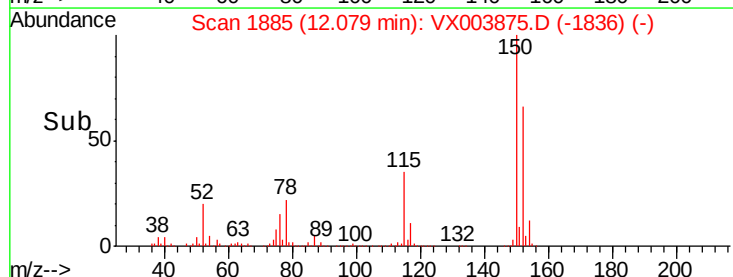
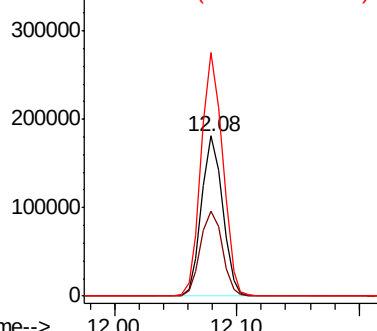
150 155.1 0.0 349.2

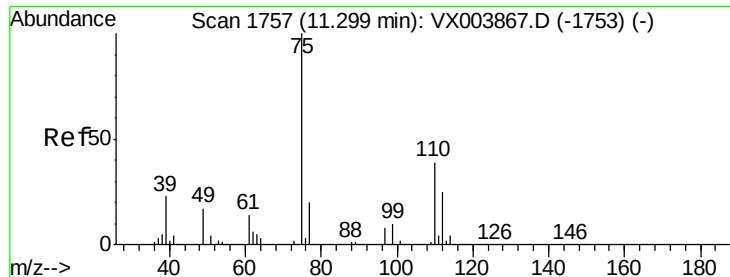


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 24.31 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX003875.D

Acq: 07 Aug 2018 12:32

Instrument :

MSVOA_X

ClientSampleId :

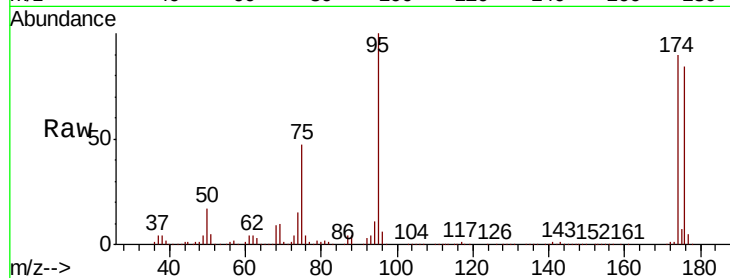
STORAGEBLANK-SOILREF-6

Tot Ion: 75 Resp: 115794

Ion Ratio Lower Upper

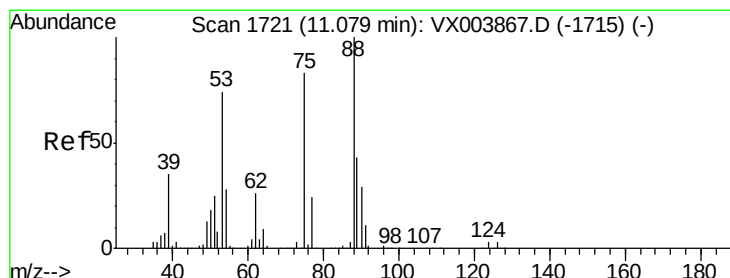
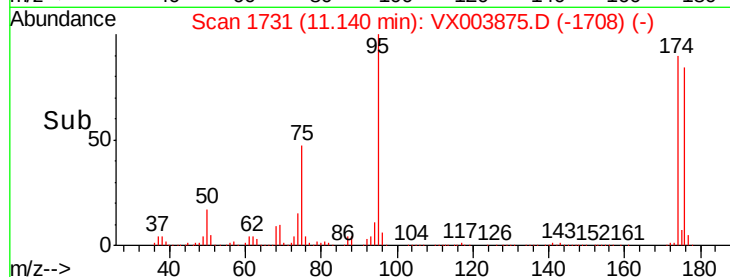
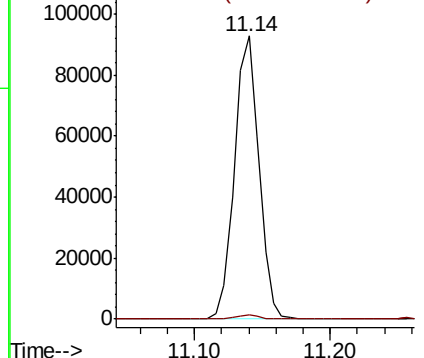
75 100

77 1.4 20.8 62.5#



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: 65.41 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX003875.D

Acq: 07 Aug 2018 12:32

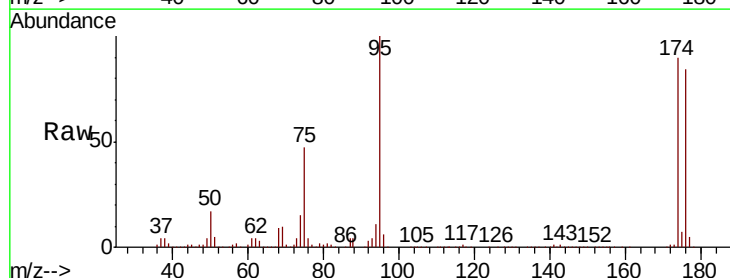
Tgt Ion: 75 Resp: 115794

Ion Ratio Lower Upper

75 100

53 0.2 80.3 120.5#

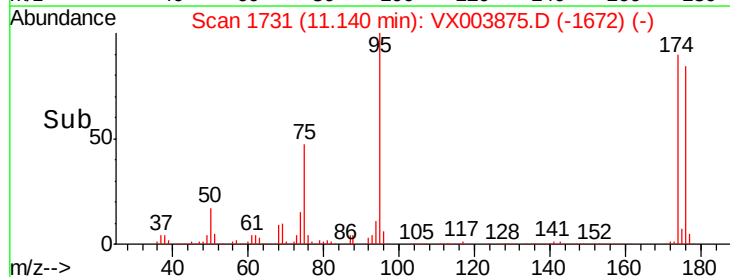
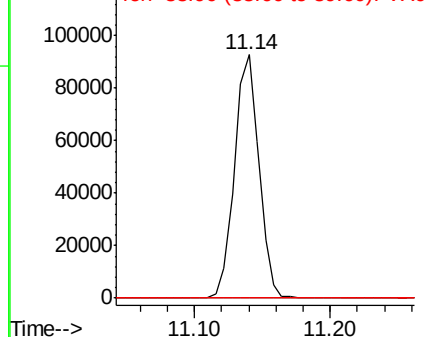
89 0.0 37.8 56.8#

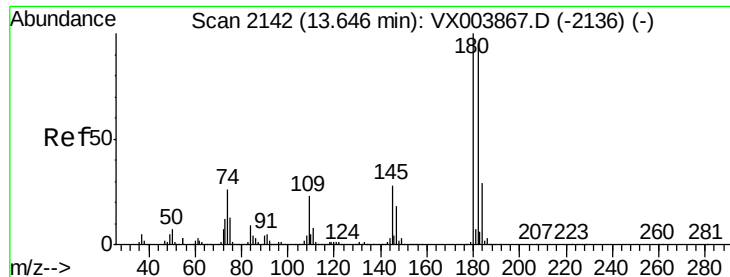


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

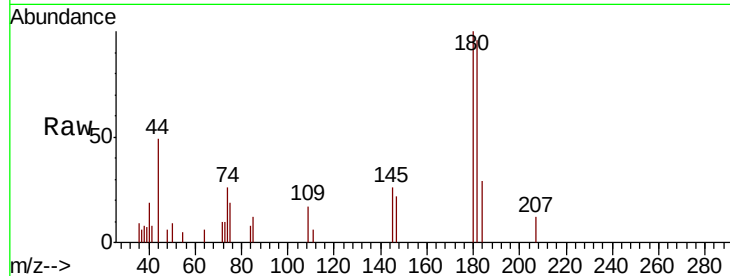




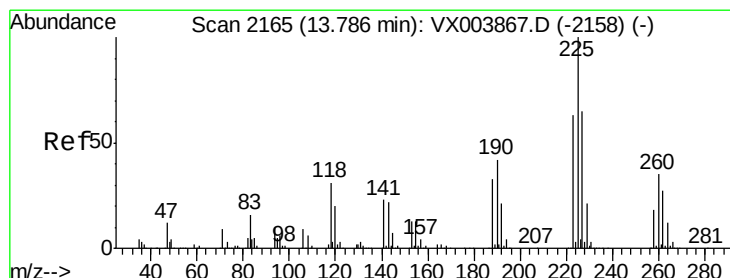
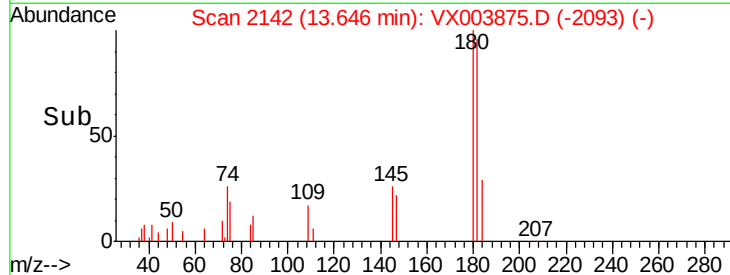
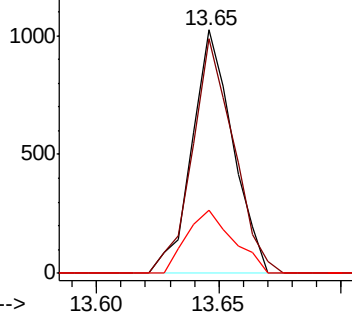
#93
 1,2,4-Trichlorobenzene
 Concen: 0.21 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VX003875.D
 Acq: 07 Aug 2018 12:32

Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGEBLANK-SOILREF-6

Tot Ion:180 Resp: 1187
 Ion Ratio Lower Upper
 180 100
 182 98.5 47.7 143.1
 145 29.8 13.9 41.6

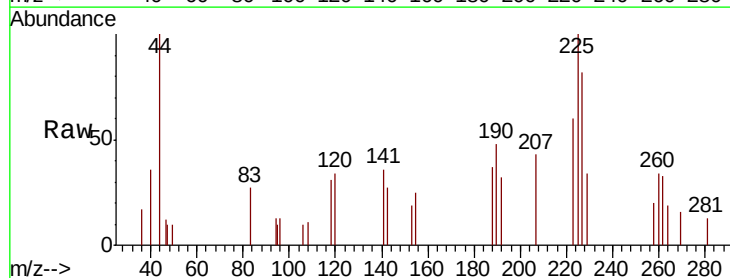


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 0.74 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX003875.D
 Acq: 07 Aug 2018 12:32

Tgt Ion:225 Resp: 759
 Ion Ratio Lower Upper
 225 100
 223 68.1 31.4 94.0
 227 67.9 32.1 96.5



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

