

Data File : VX001943.D

Acq On : 24 May 2018 16:14

Operator : JC/MD

Sample : J3044-01

Misc : 5.0mL/MSVOA_X/WATER

ALS Vial : 10 Sample Multiplier: 1

Instrument :

MSVOA_X

ClientSampleId :

STORAGEBLANK-SOILREF-6

Quant Time: May 25 03:31:34 2018

Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X052418W.M

Quant Title : SW846 8260

QLast Update : Thu May 24 13:09:03 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	333908	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	484774	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	439944	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	239532	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	240597	40.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.62%	
35) Dibromofluoromethane	5.51	113	188769	38.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	77.88%	
50) Toluene-d8	8.72	98	683719	38.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	77.92%	
62) 4-Bromofluorobenzene	11.14	95	255381	37.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	74.38%	

Target Compounds

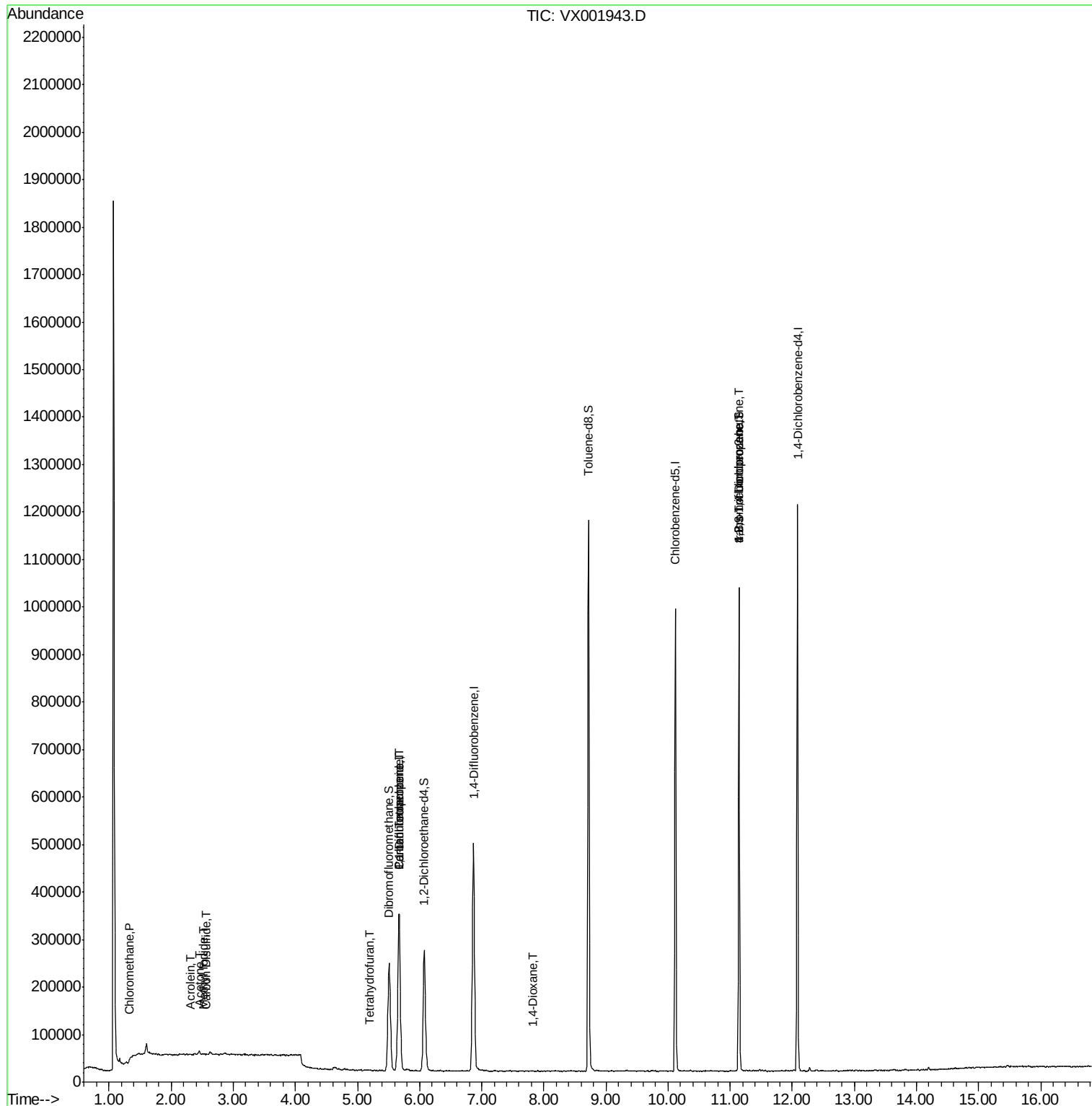
						Qvalue
2) Dichlorodifluoromethane	1.22	85	345	Below Cal	#	41
3) Chloromethane	1.32	50	1627	0.32	ug/l	# 88
5) Bromomethane	1.61	94	468	Below Cal	#	50
10) Methyl Iodide	2.52	142	2196	0.39	ug/l	# 66
13) Acrolein	2.31	56	546	1.08	ug/l	# 6
16) Acetone	2.45	43	7040	3.06	ug/l	95
17) Carbon Disulfide	2.57	76	2549	0.23	ug/l	# 84
18) Methyl Acetate	2.78	43	372	Below Cal	#	55
20) Methylene Chloride	2.86	84	2060	Below Cal		93
21) trans-1,2-Dichloroethene	3.16	96	349	Below Cal	#	35
28) Bromochloromethane	5.02	49	217	Below Cal	#	48
29) Tetrahydrofuran	5.19	42	1772	0.65	ug/l	# 55
36) 1,1-Dichloropropene	5.67	75	23638	3.51	ug/l	# 52
38) Carbon Tetrachloride	5.67	117	32128	4.09	ug/l	# 13
41) Methacrylonitrile	5.10	41	252	Below Cal	#	47
49) 1,4-Dioxane	7.82	88	84	0.64	ug/l	# 1
74) N-amyl acetate	6.50	43	907	Below Cal	#	60
75) 1,1,2,2-Tetrachloroethane	11.26	83	140	Below Cal	#	84
76) 1,2,3-Trichloropropane	11.14	75	133997	23.29	ug/l	# 33
79) 2-Chlorotoluene	11.43	91	763	Below Cal		89
81) trans-1,4-Dichloro-2-buten	11.14	75	133997	55.98	ug/l	# 10

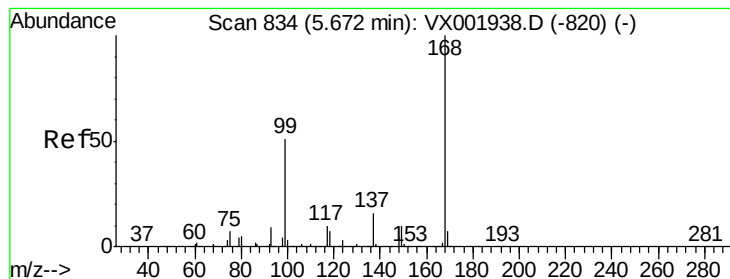
(#)=qualifier out of range (m)=manual integration (+)=signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX001943.D

Acq: 24 May 2018 16:14

Instrument :

MSVOA_X

ClientSampleId :

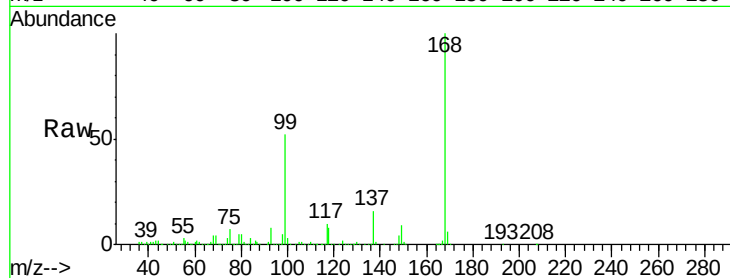
STORAGEBLANK-SOILREF-6

Tgt Ion:168 Resp: 333908

Ion Ratio Lower Upper

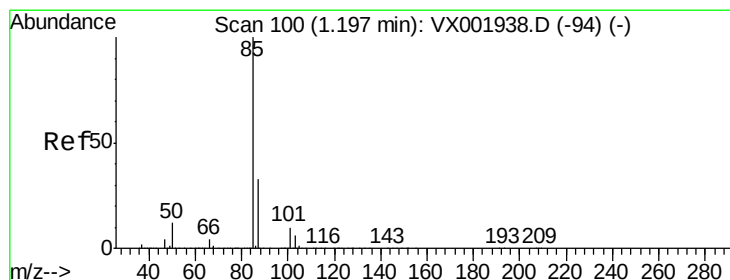
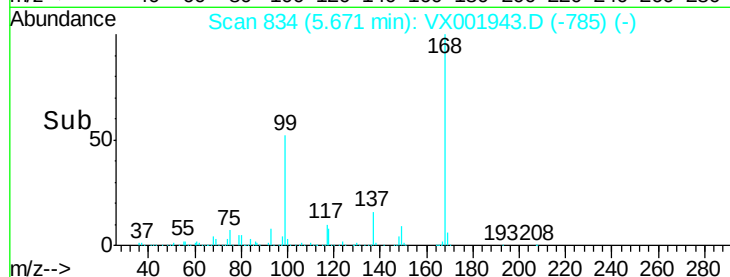
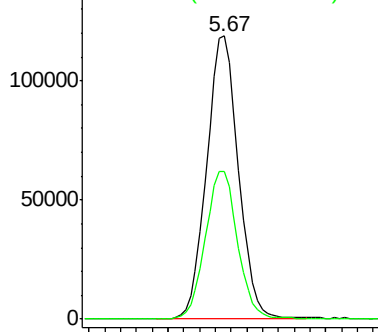
168 100

99 52.1 41.0 61.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.22 min Scan# 104

Delta R.T. 0.02 min

Lab File: VX001943.D

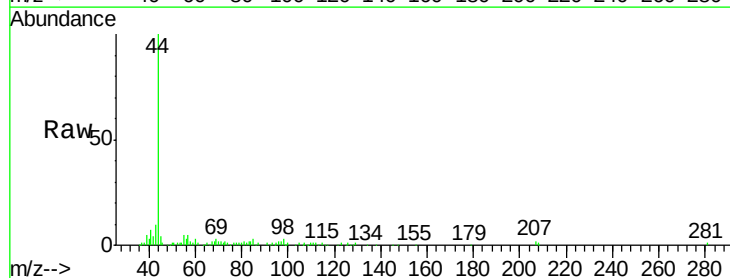
Acq: 24 May 2018 16:14

Tgt Ion: 85 Resp: 345

Ion Ratio Lower Upper

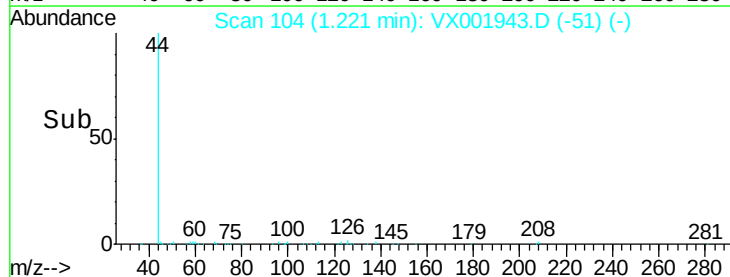
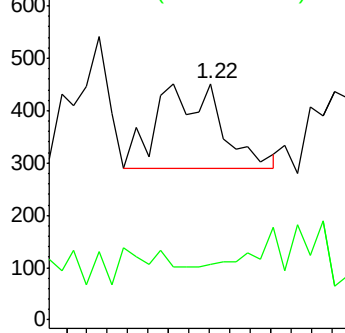
85 100

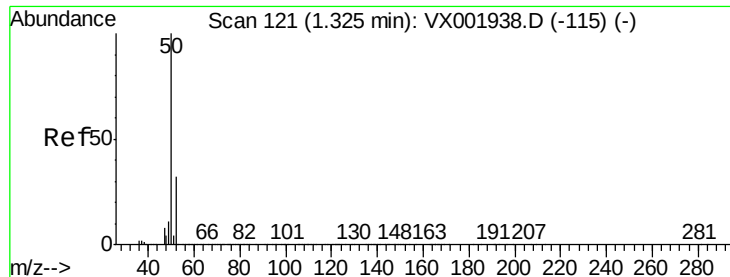
87 0.0 16.7 50.0#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 0.32 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX001943.D

Acq: 24 May 2018 16:14

Instrument :

MSVOA_X

ClientSampleId :

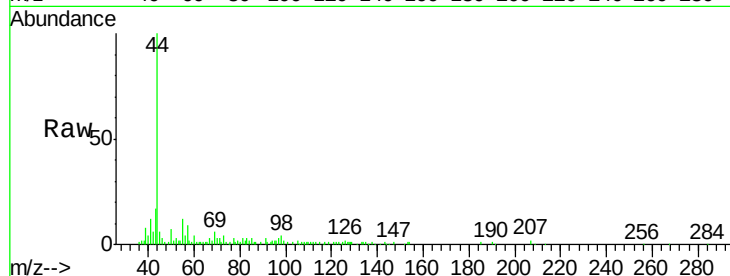
STORAGEBLANK-SOILREF-6

Tgt Ion: 50 Resp: 1627

Ion Ratio Lower Upper

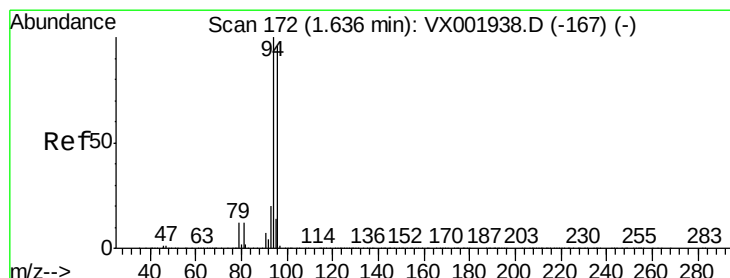
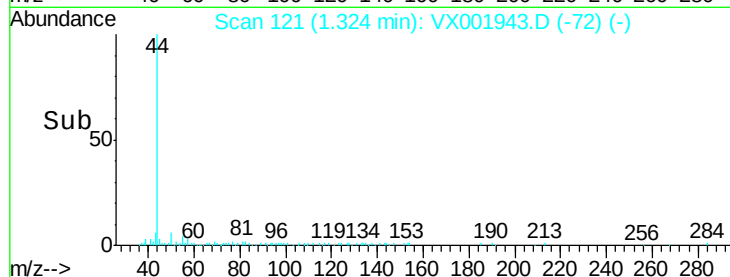
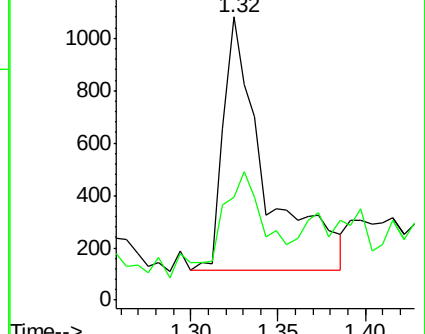
50 100

52 25.6 26.0 39.0#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#5

Bromomethane

Concen: Below Cal

RT: 1.61 min Scan# 168

Delta R.T. -0.02 min

Lab File: VX001943.D

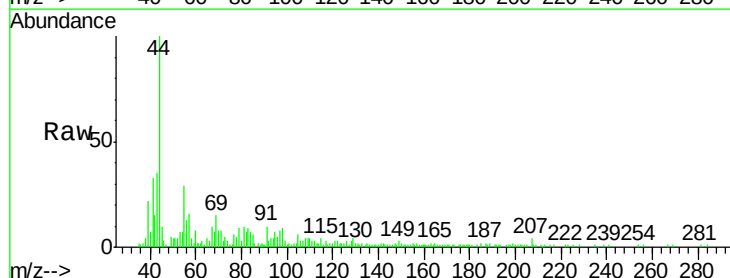
Acq: 24 May 2018 16:14

Tgt Ion: 94 Resp: 468

Ion Ratio Lower Upper

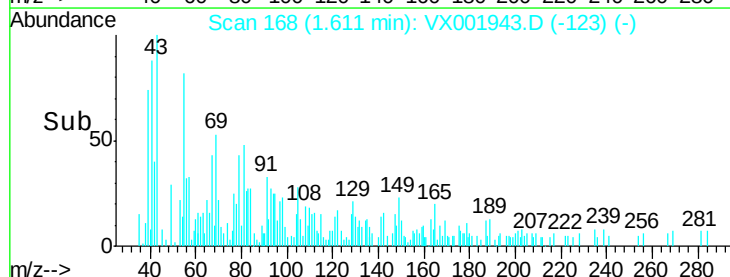
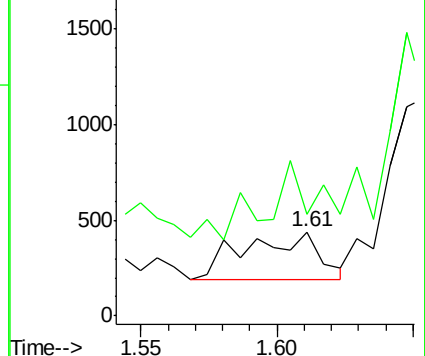
94 100

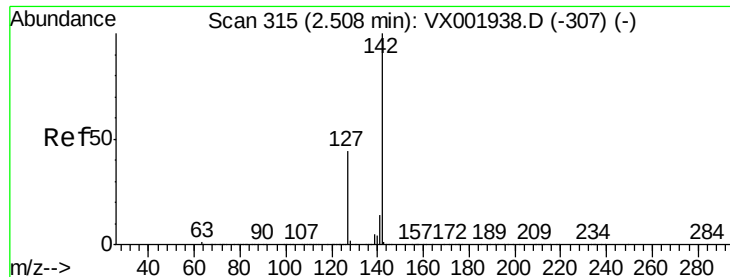
96 46.8 75.9 113.9#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

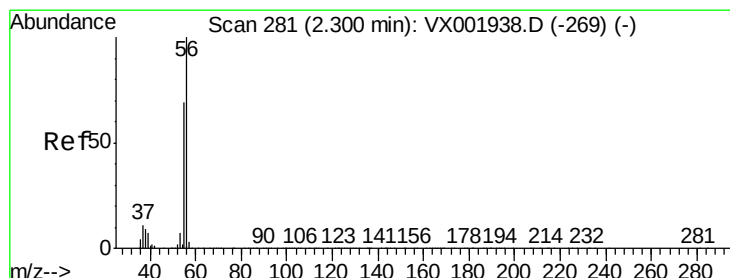
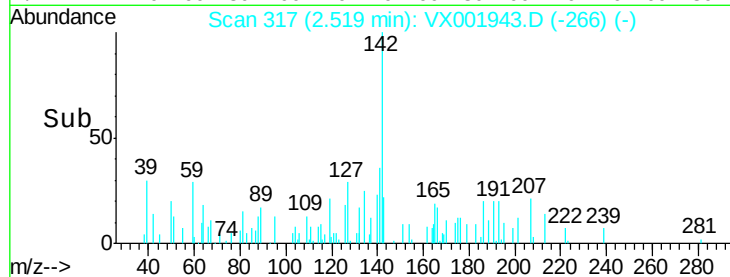
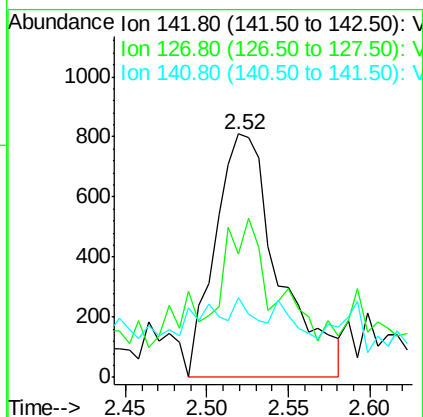
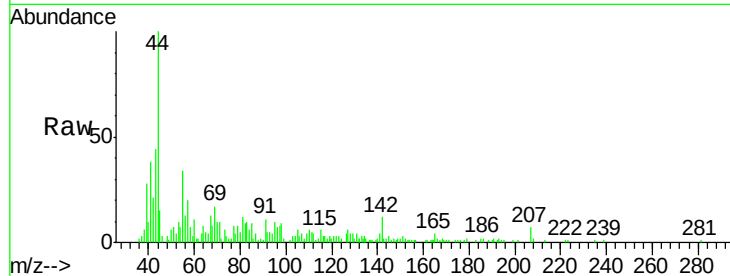




#10
Methyl Iodide
Concen: 0.39 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX001943.D
Acq: 24 May 2018 16:14

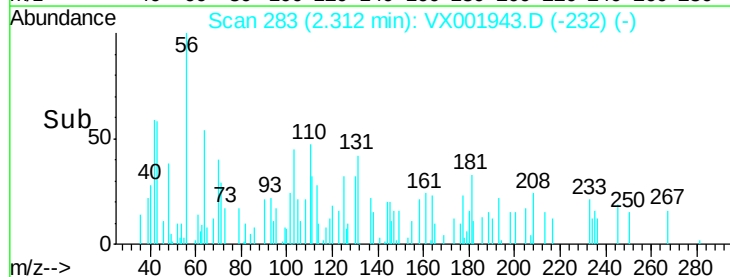
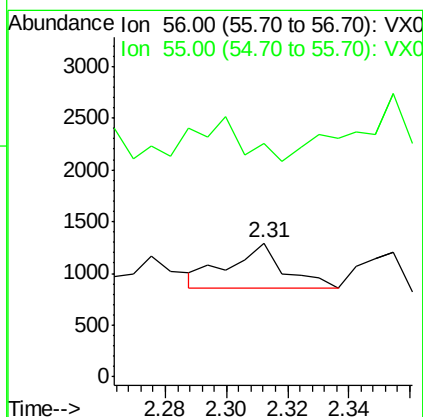
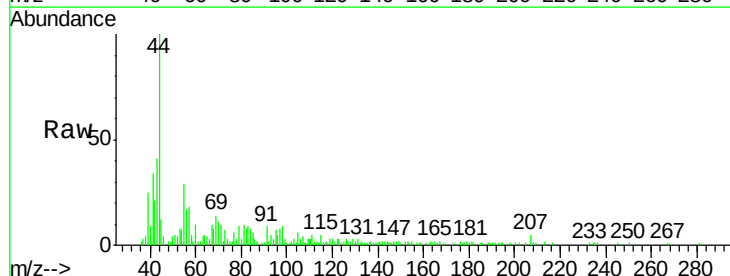
Instrument :
MSVOA_X
ClientSampleId :
STORAGEBLANK-SOILREF-6

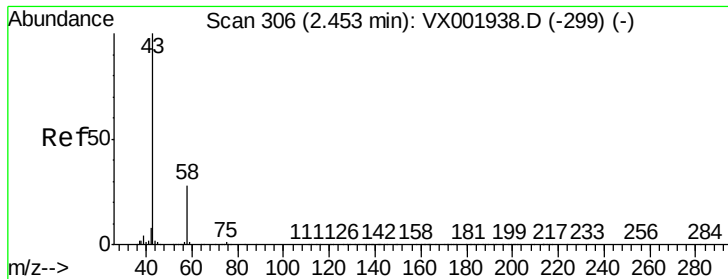
Tgt Ion:142 Resp: 2196
Ion Ratio Lower Upper
142 100
127 22.1 35.5 53.3#
141 0.0 11.3 16.9#



#13
Acrolein
Concen: 1.08 ug/l
RT: 2.31 min Scan# 283
Delta R.T. 0.01 min
Lab File: VX001943.D
Acq: 24 May 2018 16:14

Tgt Ion: 56 Resp: 546
Ion Ratio Lower Upper
56 100
55 148.7 56.8 85.2#





#16

Acetone

Concen: 3.06 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX001943.D

Acq: 24 May 2018 16:14

Instrument :

MSVOA_X

ClientSampleId :

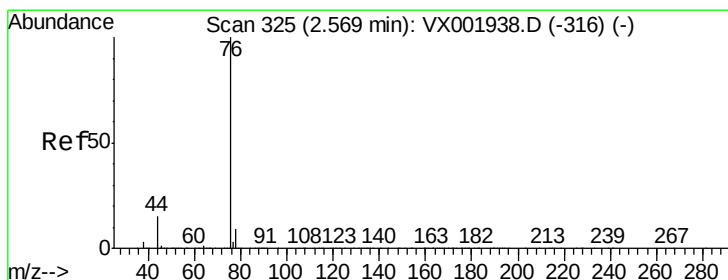
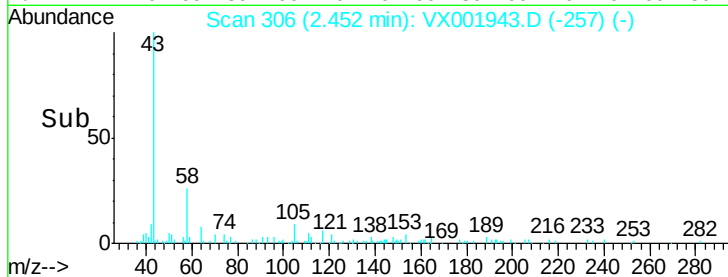
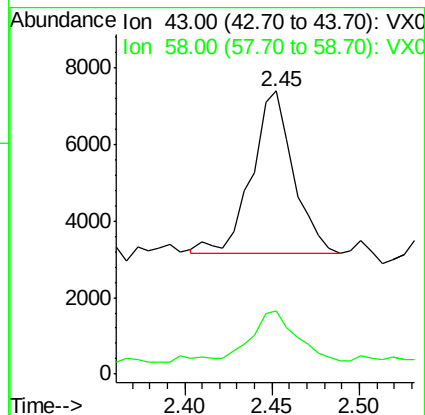
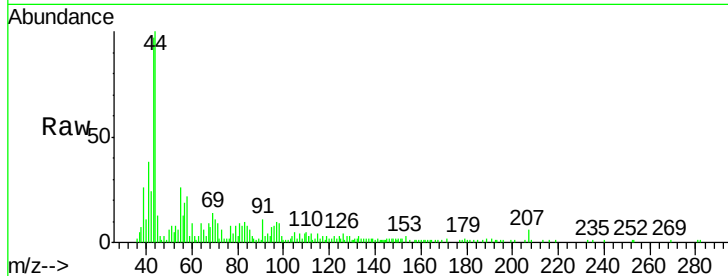
STORAGEBLANK-SOILREF-6

Tgt Ion: 43 Resp: 7040

Ion Ratio Lower Upper

43 100

58 30.8 22.3 33.5



#17

Carbon Disulfide

Concen: 0.23 ug/l

RT: 2.57 min Scan# 326

Delta R.T. 0.01 min

Lab File: VX001943.D

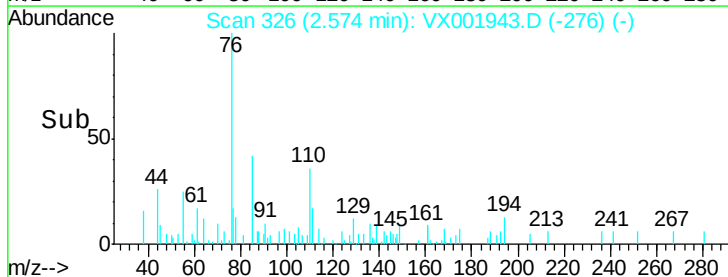
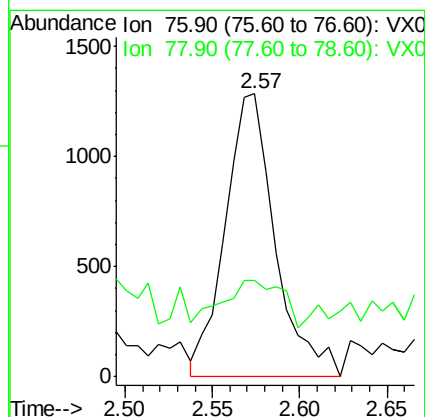
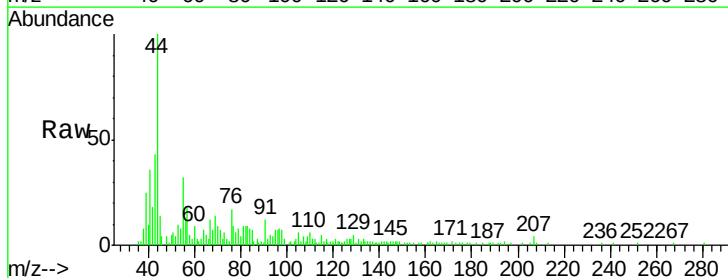
Acq: 24 May 2018 16:14

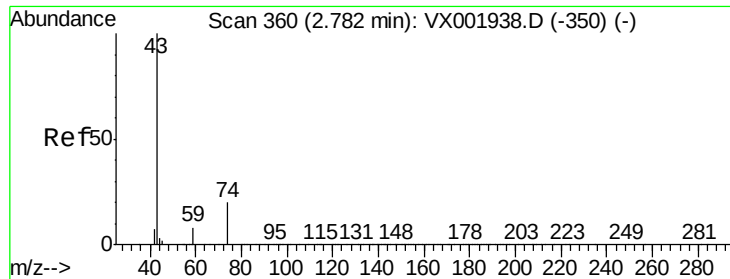
Tgt Ion: 76 Resp: 2549

Ion Ratio Lower Upper

76 100

78 15.0 7.4 11.2#

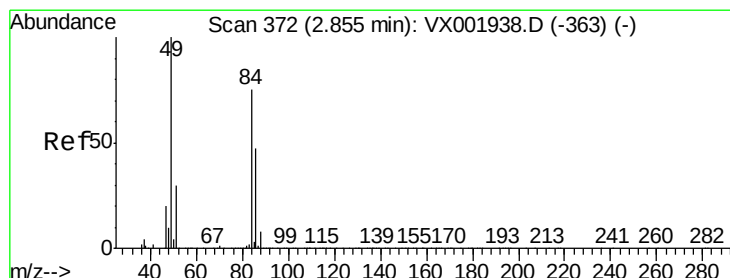
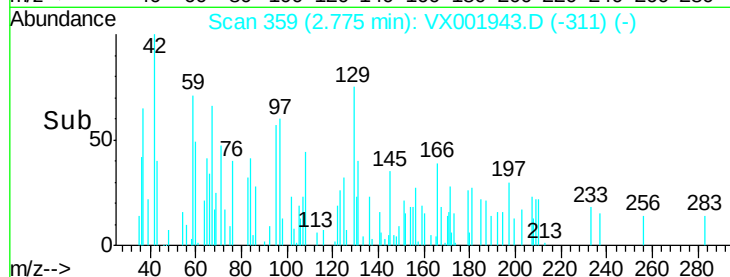
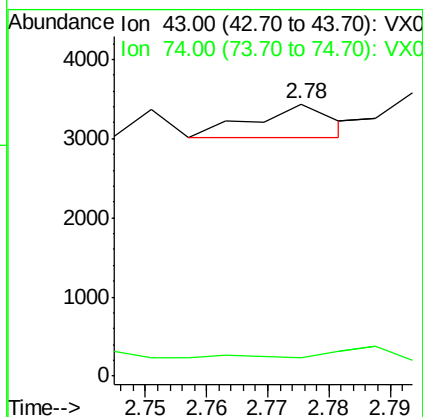
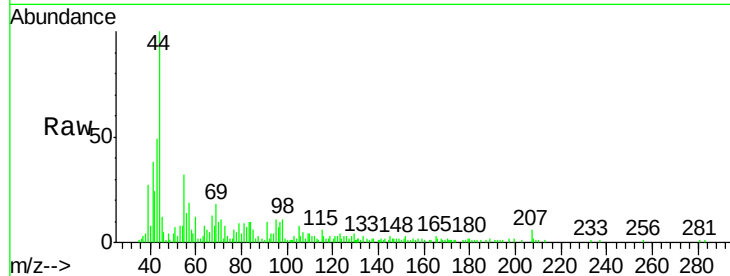




#18
Methyl Acetate
Concen: Below Cal
RT: 2.78 min Scan# 359
Delta R.T. -0.01 min
Lab File: VX001943.D
Acq: 24 May 2018 16:14

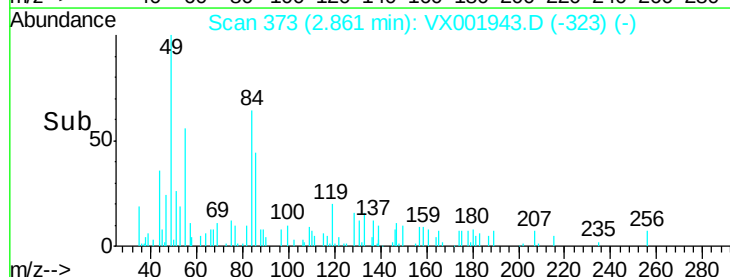
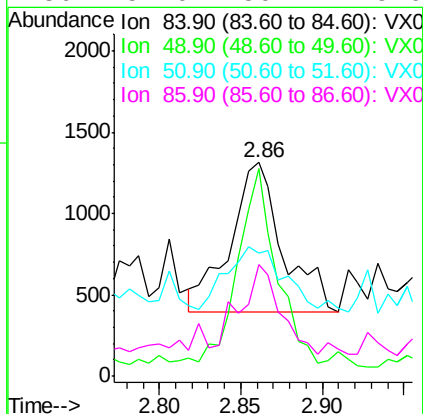
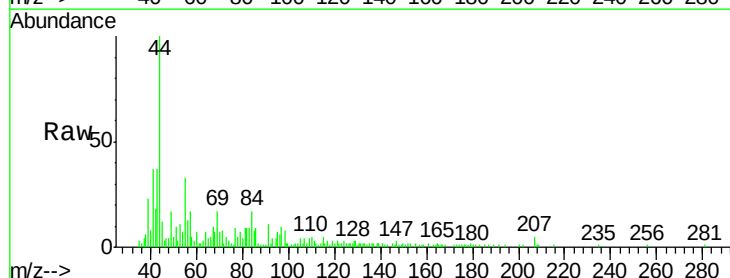
Instrument :
MSVOA_X
ClientSampleId :
STORAGEBLANK-SOILREF-6

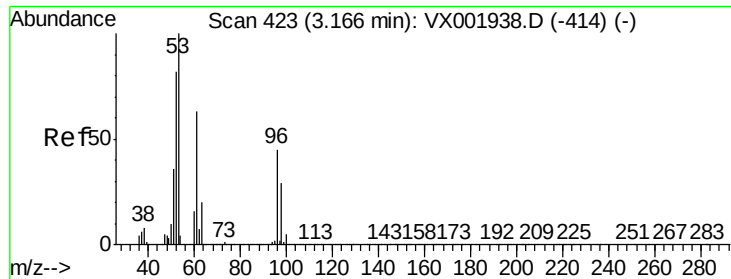
Tgt Ion: 43 Resp: 372
Ion Ratio Lower Upper
43 100
74 0.0 16.8 25.2#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.86 min Scan# 373
Delta R.T. 0.01 min
Lab File: VX001943.D
Acq: 24 May 2018 16:14

Tgt Ion: 84 Resp: 2060
Ion Ratio Lower Upper
84 100
49 126.1 107.2 160.8
51 36.9 32.4 48.6
86 57.0 50.4 75.6





#21

trans-1,2-Dichloroethene

Concen: Below Cal

RT: 3.16 min Scan# 422

Delta R.T. -0.01 min

Lab File: VX001943.D

Acq: 24 May 2018 16:14

Instrument :

MSVOA_X

ClientSampleId :

STORAGEBLANK-SOILREF-6

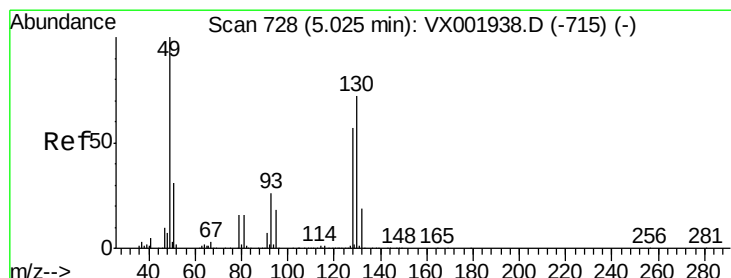
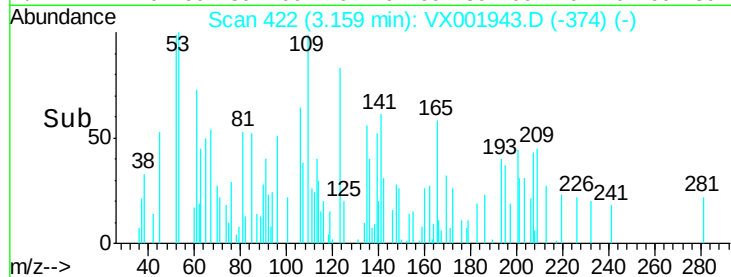
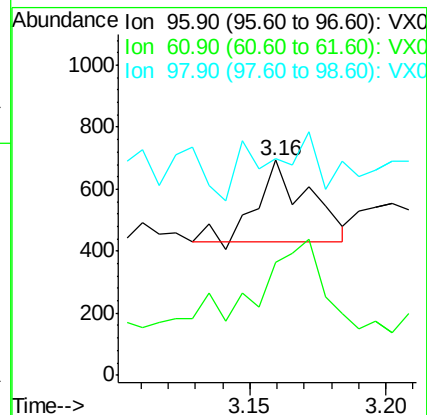
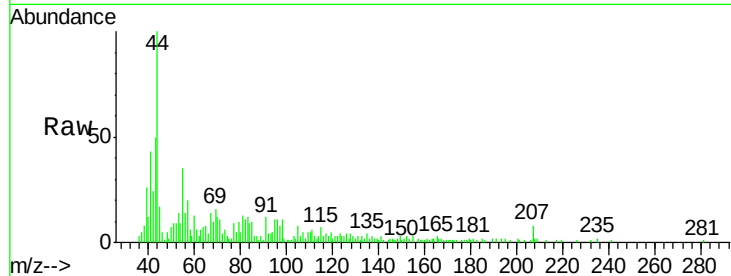
Tgt Ion: 96 Resp: 349

Ion Ratio Lower Upper

96 100

61 69.3 113.3 169.9#

98 3.0 51.7 77.5#



#28

Bromochloromethane

Concen: Below Cal

RT: 5.02 min Scan# 727

Delta R.T. -0.01 min

Lab File: VX001943.D

Acq: 24 May 2018 16:14

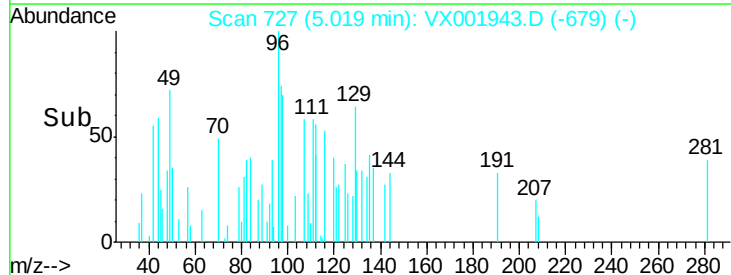
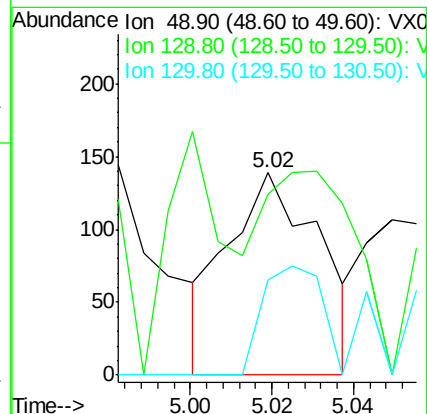
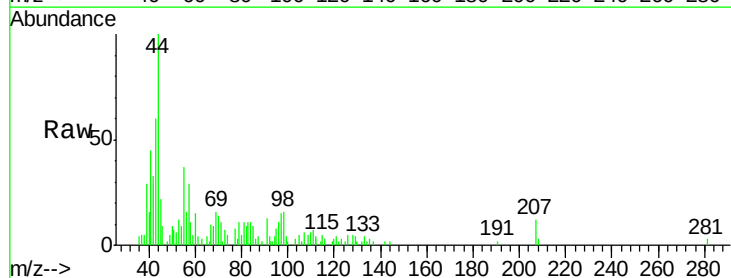
Tgt Ion: 49 Resp: 217

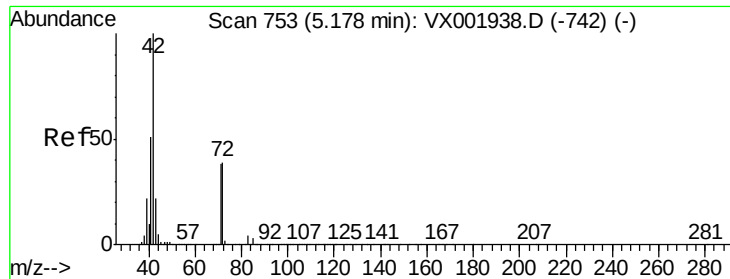
Ion Ratio Lower Upper

49 100

129 100.9 0.0 3.8#

130 35.0 59.4 89.2#





#29

Tetrahydrofuran

Concen: 0.65 ug/l

RT: 5.19 min Scan# 755

Delta R.T. 0.01 min

Lab File: VX001943.D

Acq: 24 May 2018 16:14

Instrument :

MSVOA_X

ClientSampleId :

STORAGEBLANK-SOILREF-6

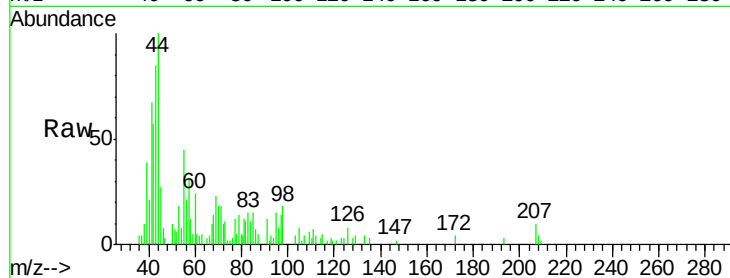
Tgt Ion: 42 Resp: 1772

Ion Ratio Lower Upper

42 100

72 14.6 31.4 47.0#

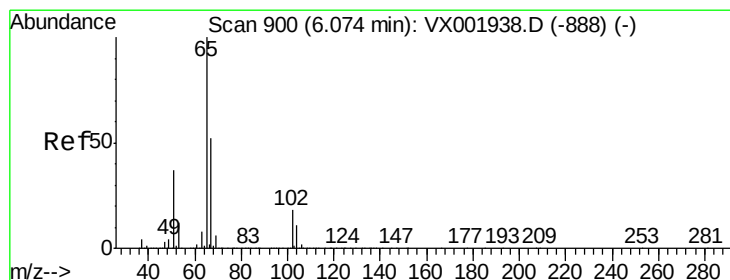
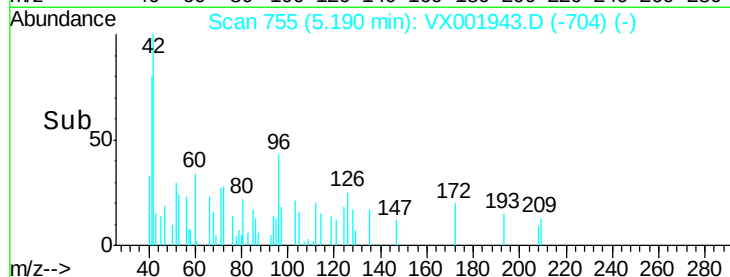
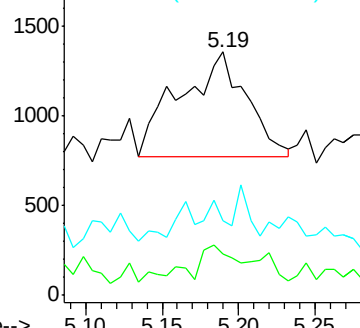
71 7.7 29.5 44.3#



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 40.31 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.00 min

Lab File: VX001943.D

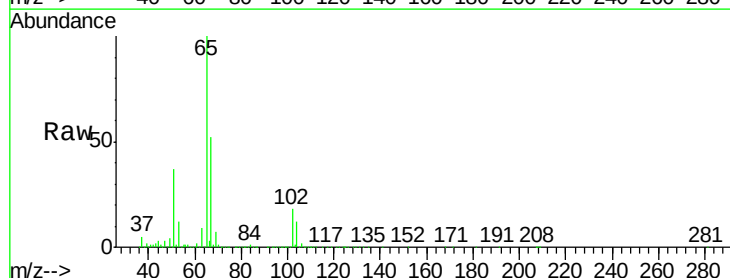
Acq: 24 May 2018 16:14

Tgt Ion: 65 Resp: 240597

Ion Ratio Lower Upper

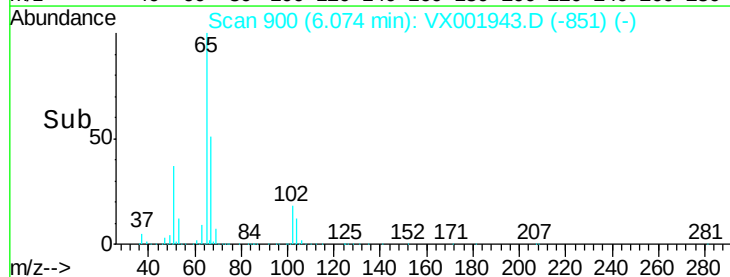
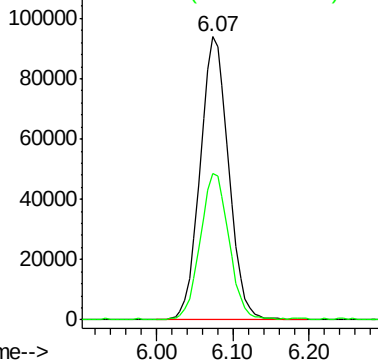
65 100

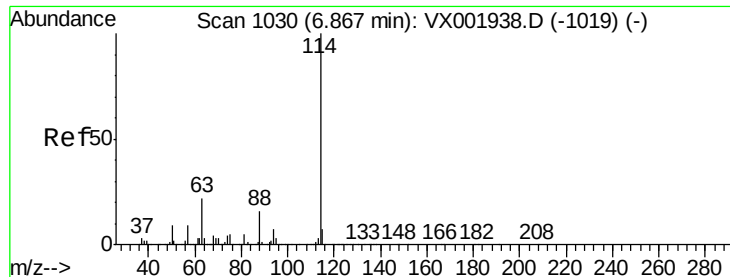
67 51.9 0.0 104.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

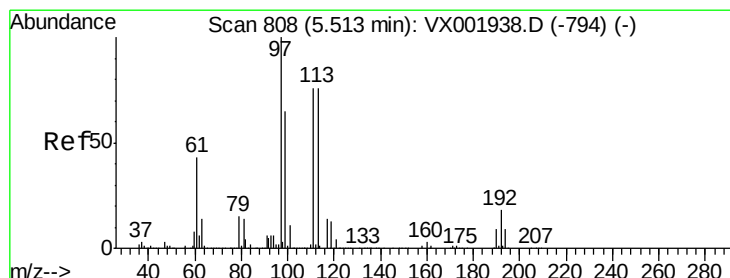
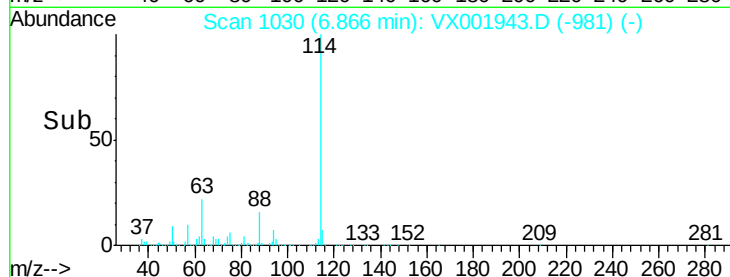
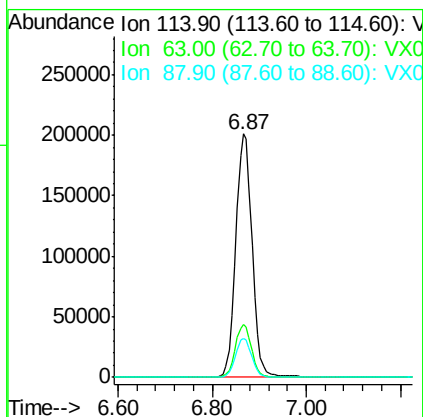
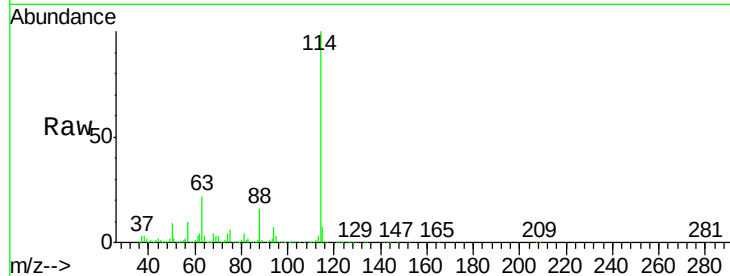




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX001943.D
 Acq: 24 May 2018 16:14

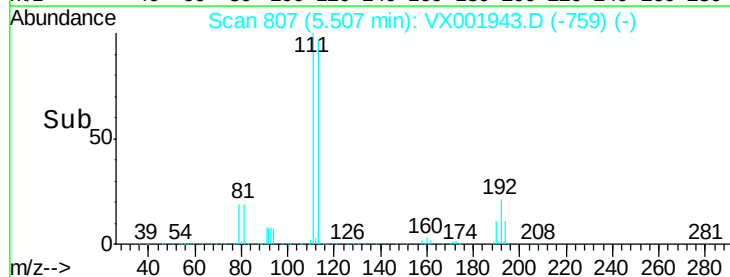
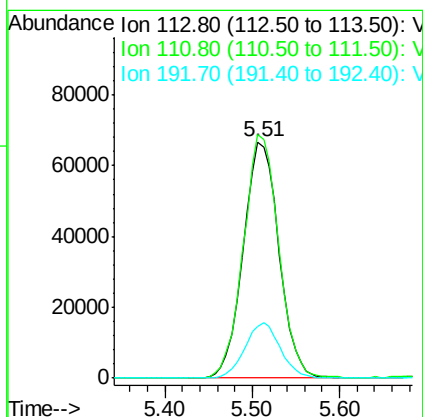
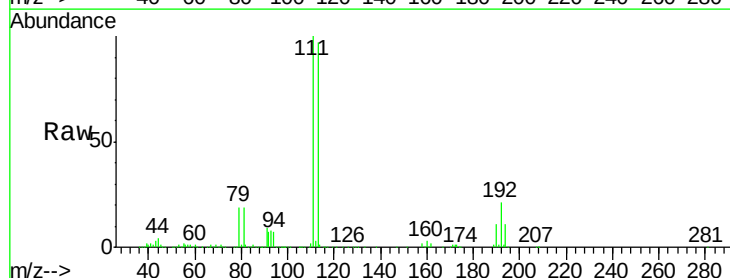
Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGEBLANK-SOILREF-6

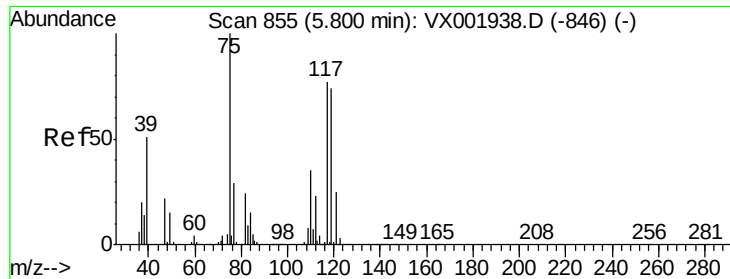
Tgt Ion:114 Resp: 484774
 Ion Ratio Lower Upper
 114 100
 63 21.7 0.0 43.2
 88 16.0 0.0 31.6



#35
 Dibromofluoromethane
 Concen: 38.94 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. -0.01 min
 Lab File: VX001943.D
 Acq: 24 May 2018 16:14

Tgt Ion:113 Resp: 188769
 Ion Ratio Lower Upper
 113 100
 111 101.6 82.0 123.0
 192 23.0 18.9 28.3

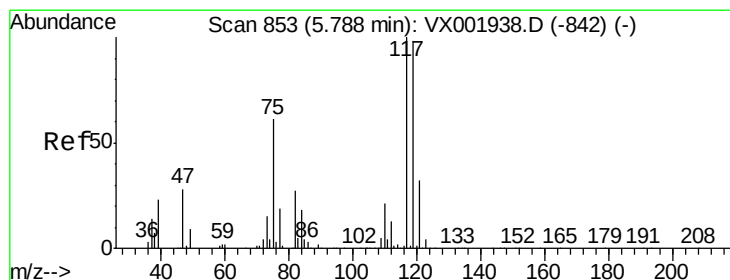
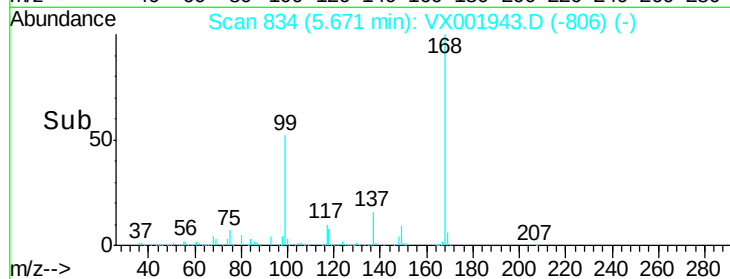
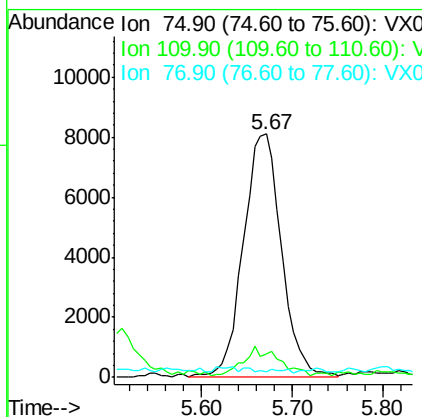
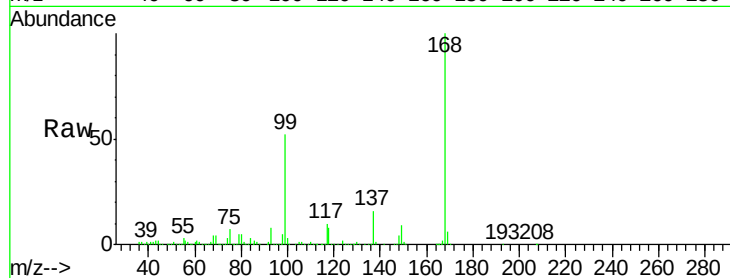




#36
 1,1-Dichloropropene
 Concen: 3.51 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.13 min
 Lab File: VX001943.D
 Acq: 24 May 2018 16:14

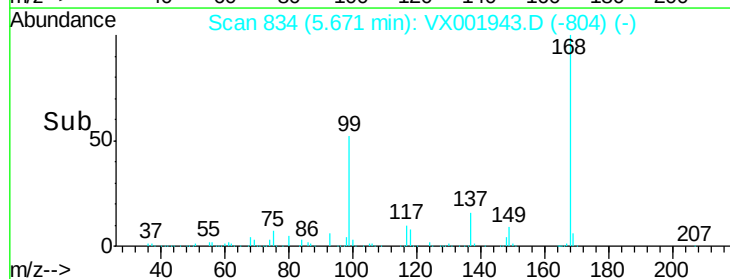
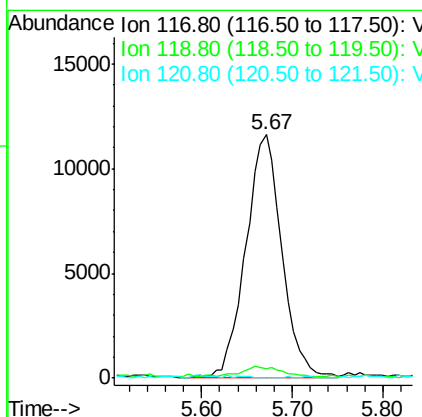
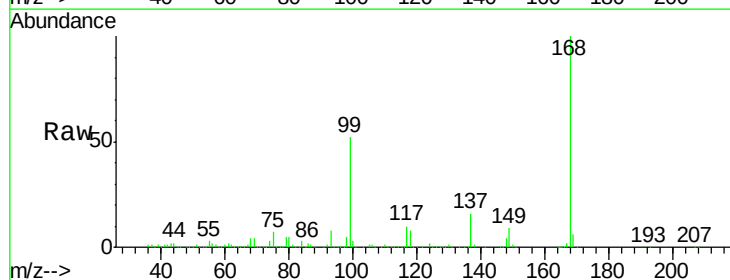
Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGEBLANK-SOILREF-6

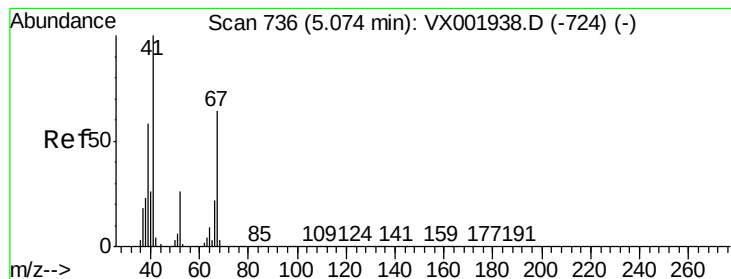
Tgt Ion: 75 Resp: 23638
 Ion Ratio Lower Upper
 75 100
 110 11.0 17.4 52.2#
 77 0.0 24.4 36.6#



#38
 Carbon Tetrachloride
 Concen: 4.09 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.12 min
 Lab File: VX001943.D
 Acq: 24 May 2018 16:14

Tgt Ion: 117 Resp: 32128
 Ion Ratio Lower Upper
 117 100
 119 3.1 78.5 117.7#
 121 0.0 25.5 38.3#





#41

Methacrylonitrile

Concen: Below Cal

RT: 5.10 min Scan# 740

Delta R.T. 0.02 min

Lab File: VX001943.D

Acq: 24 May 2018 16:14

Instrument :

MSVOA_X

ClientSampleId :

STORAGEBLANK-SOILREF-6

Tgt Ion: 41 Resp: 252

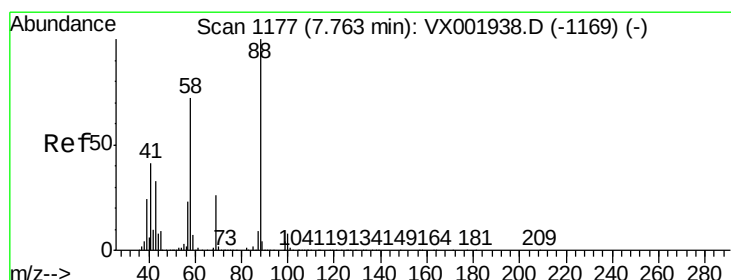
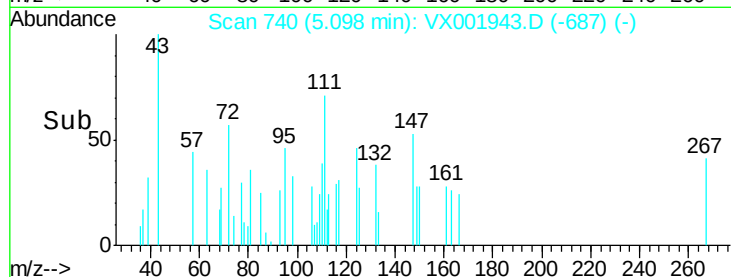
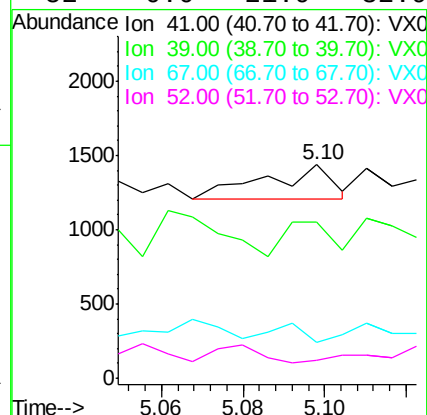
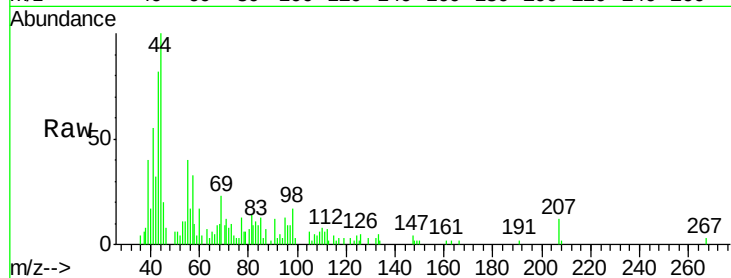
Ion Ratio Lower Upper

41 100

39 74.2 46.0 69.0#

67 0.0 50.6 75.8#

52 0.0 21.9 32.9#



#49

1,4-Dioxane

Concen: 0.64 ug/l

RT: 7.82 min Scan# 1187

Delta R.T. 0.06 min

Lab File: VX001943.D

Acq: 24 May 2018 16:14

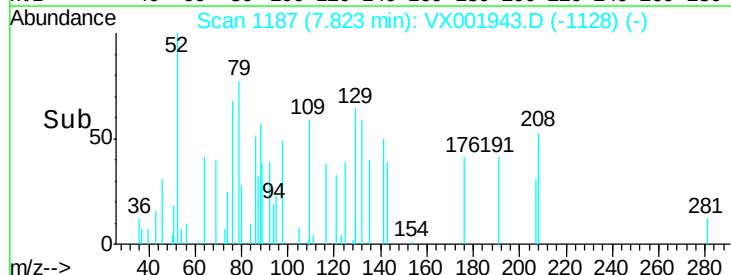
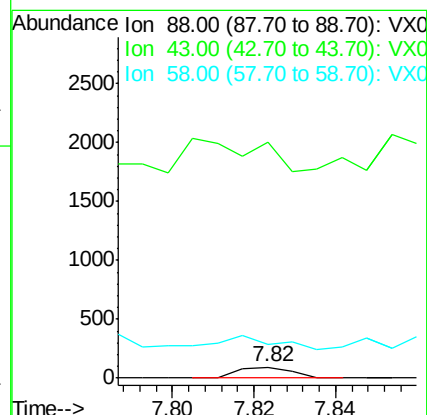
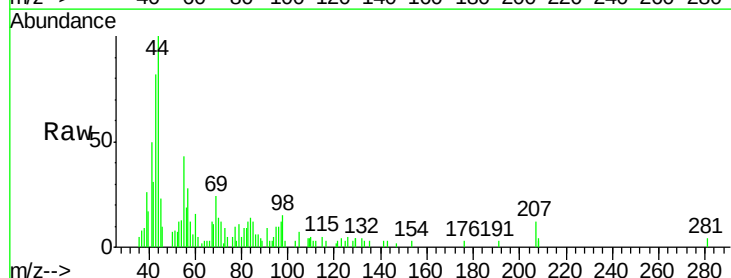
Tgt Ion: 88 Resp: 84

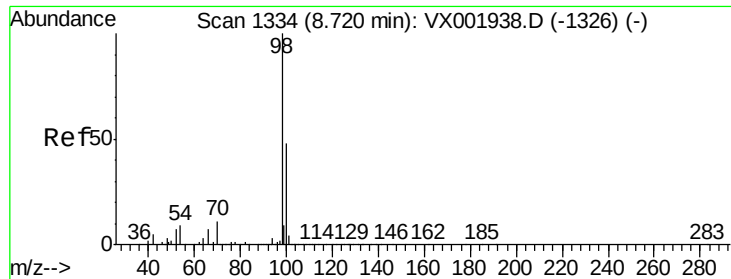
Ion Ratio Lower Upper

88 100

43 421.4 29.8 44.8#

58 203.6 58.7 88.1#





#50

Toluene-d8

Concen: 38.96 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX001943.D

Acq: 24 May 2018 16:14

Instrument :

MSVOA_X

ClientSampleId :

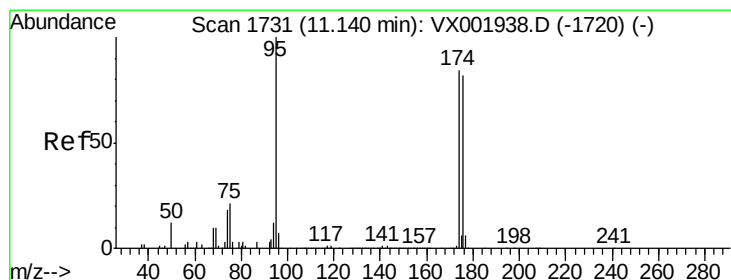
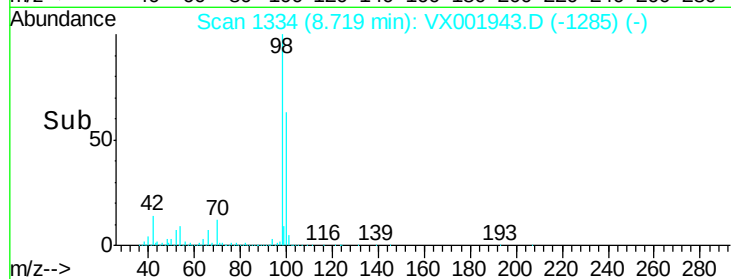
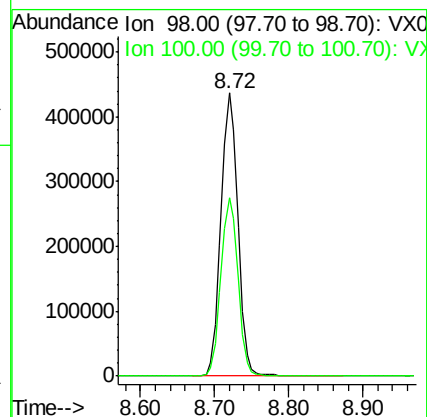
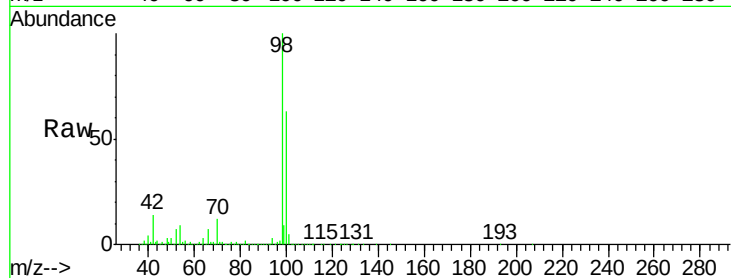
STORAGEBLANK-SOILREF-6

Tgt Ion: 98 Resp: 683719

Ion Ratio Lower Upper

98 100

100 63.6 51.5 77.3



#62

4-Bromofluorobenzene

Concen: 37.19 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX001943.D

Acq: 24 May 2018 16:14

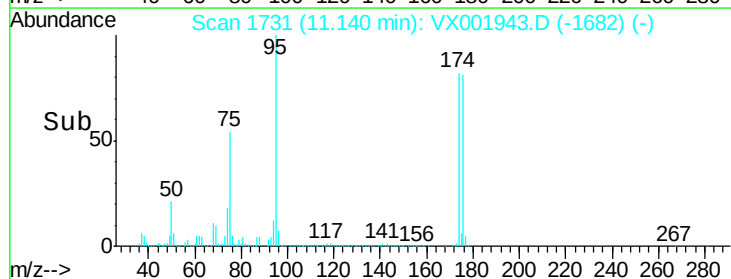
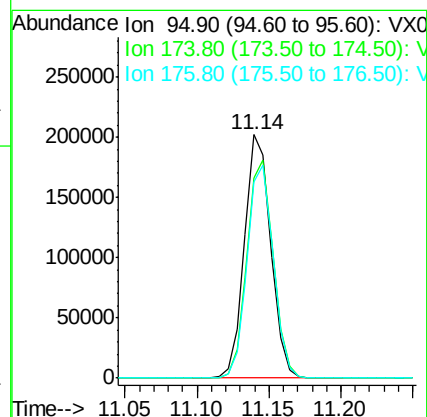
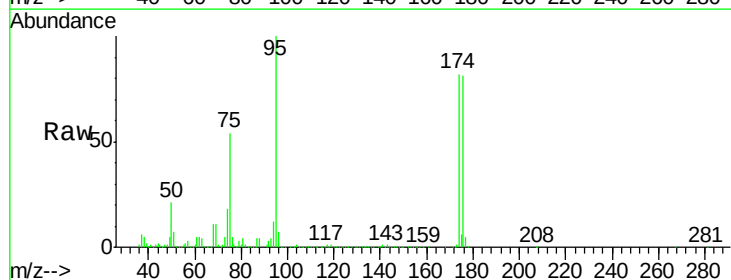
Tgt Ion: 95 Resp: 255381

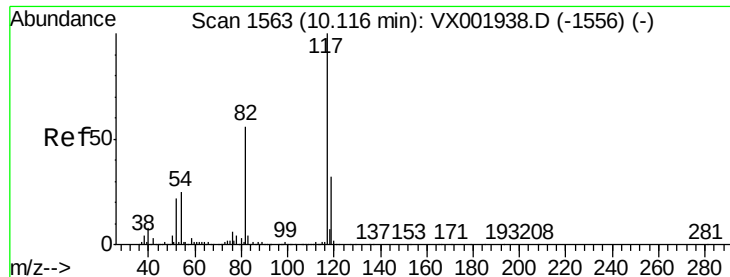
Ion Ratio Lower Upper

95 100

174 89.5 0.0 178.8

176 87.3 0.0 175.6

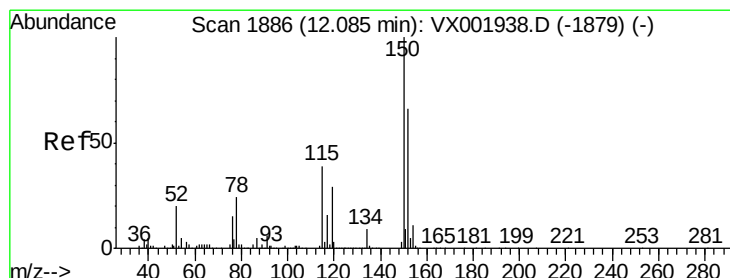
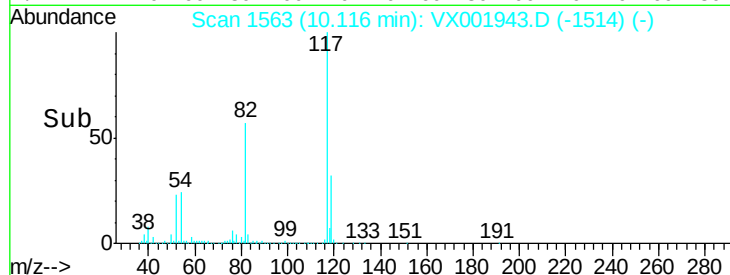
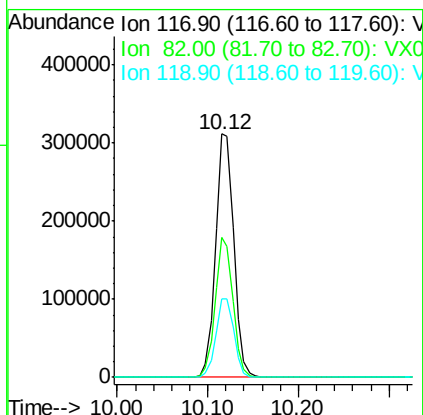
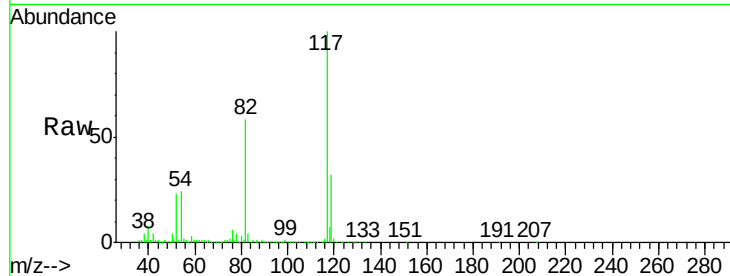




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX001943.D
Acq: 24 May 2018 16:14

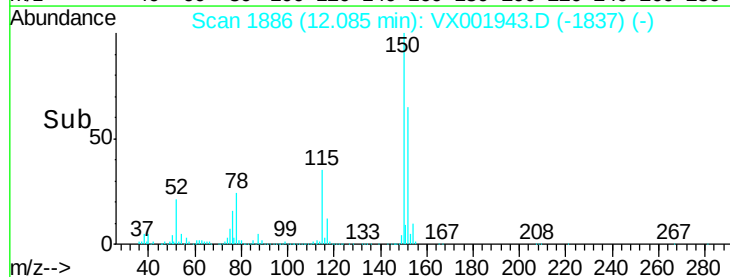
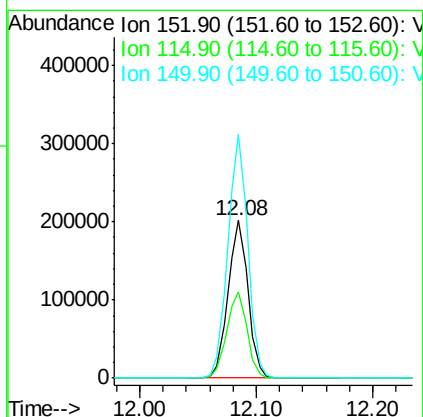
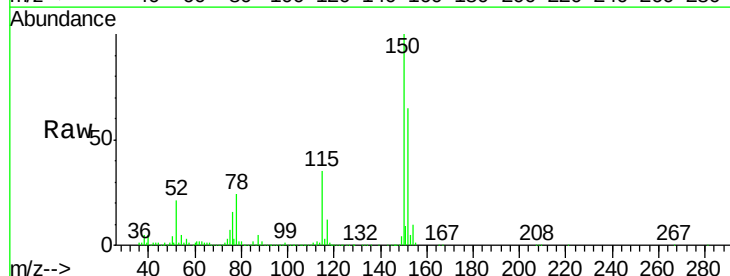
Instrument :
MSVOA_X
ClientSampleId :
STORAGEBLANK-SOILREF-6

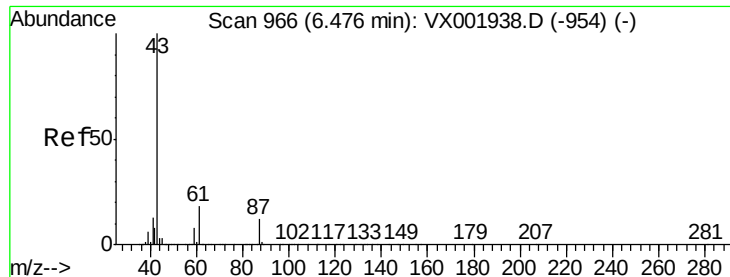
Tgt Ion:117 Resp: 439944
Ion Ratio Lower Upper
117 100
82 57.5 44.8 67.2
119 32.1 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX001943.D
Acq: 24 May 2018 16:14

Tgt Ion:152 Resp: 239532
Ion Ratio Lower Upper
152 100
115 55.2 42.3 126.8
150 154.3 0.0 351.0





#74

N-amyI acetate

Concen: Below Cal

RT: 6.50 min Scan# 970

Delta R.T. 0.02 min

Lab File: VX001943.D

Acq: 24 May 2018 16:14

Instrument :

MSVOA_X

ClientSampleId :

STORAGEBLANK-SOILREF-6

Tgt Ion: 43 Resp: 907

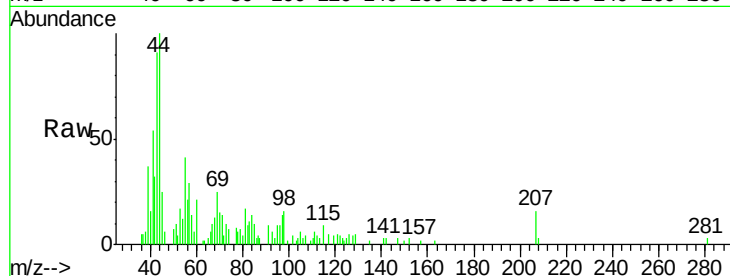
Ion Ratio Lower Upper

43 100

70 0.0 0.1 0.1#

55 23.3 0.1 0.1#

61 0.0 14.5 21.7#

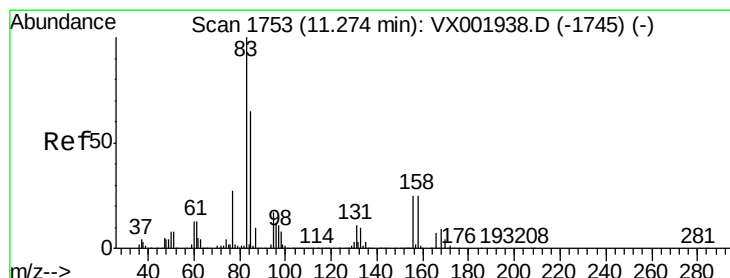
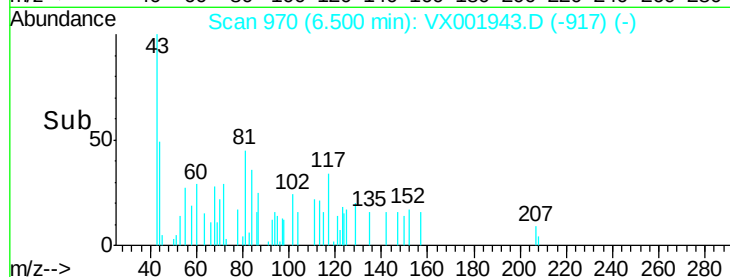
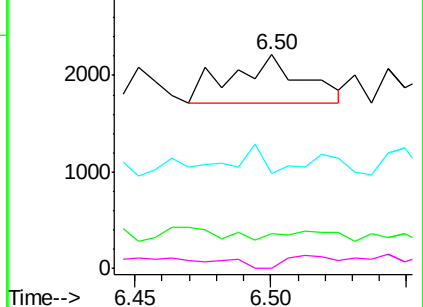


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 11.26 min Scan# 1751

Delta R.T. -0.01 min

Lab File: VX001943.D

Acq: 24 May 2018 16:14

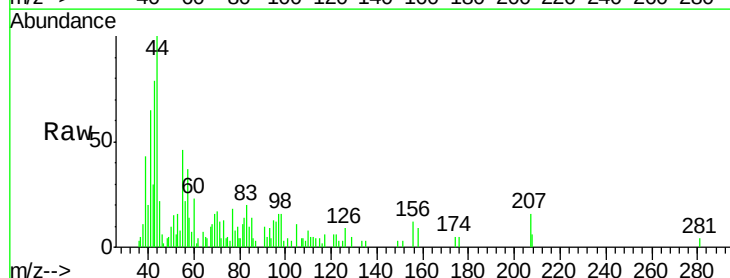
Tgt Ion: 83 Resp: 140

Ion Ratio Lower Upper

83 100

131 45.7 5.7 17.0#

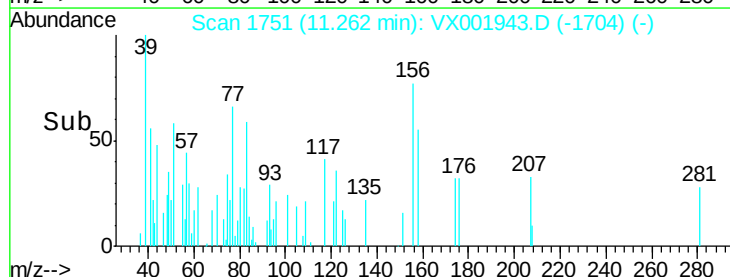
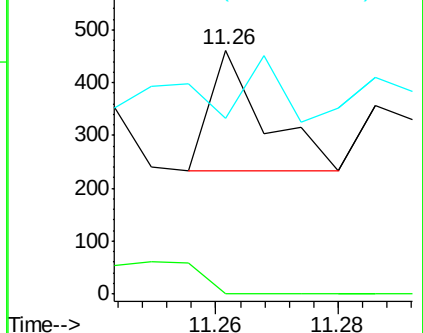
85 62.9 32.6 97.7

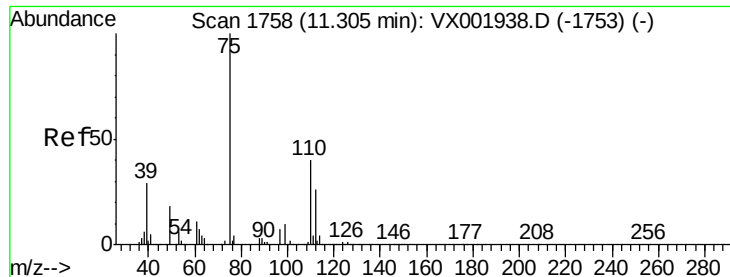


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0

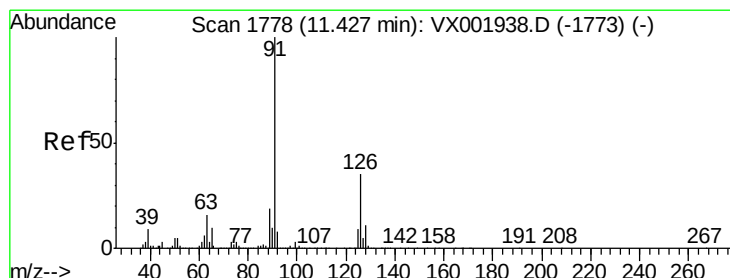
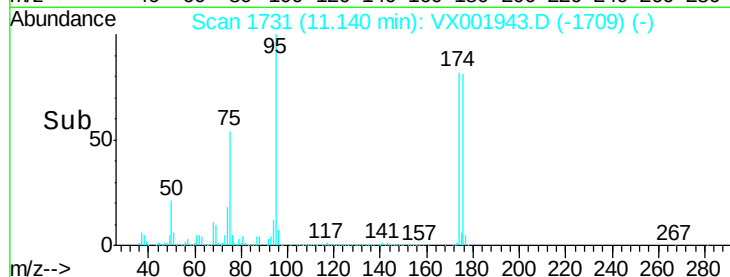
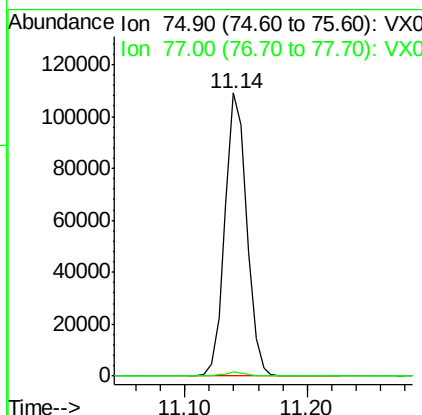
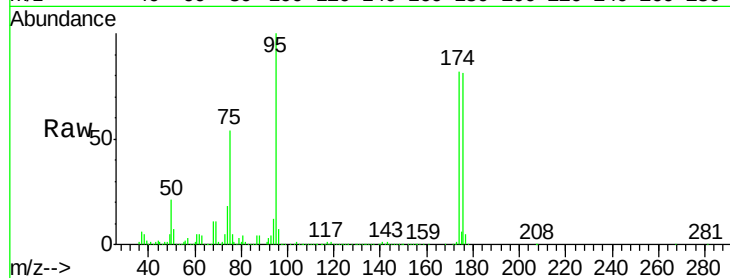




#76
 1,2,3-Trichloropropane
 Concen: 23.29 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.17 min
 Lab File: VX001943.D
 Acq: 24 May 2018 16:14

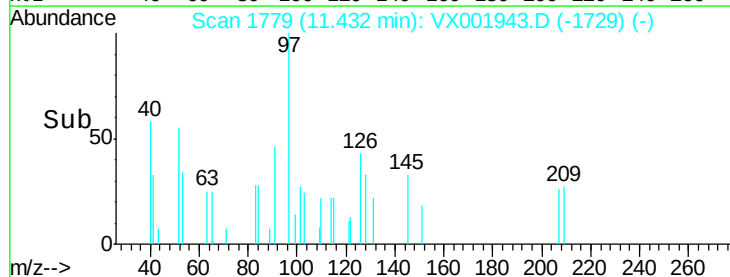
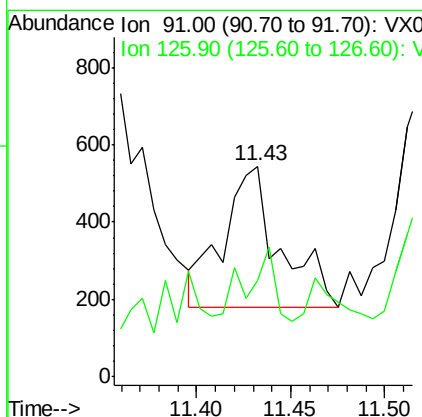
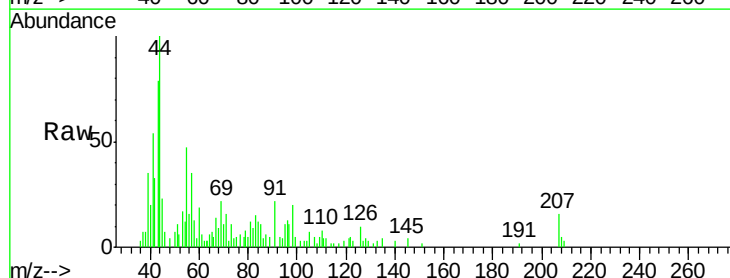
Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGEBLANK-SOILREF-6

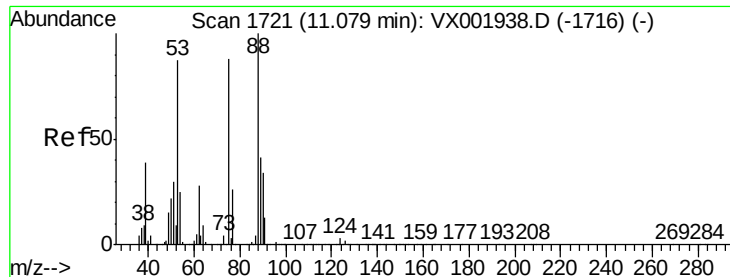
Tgt Ion: 75 Resp: 133997
 Ion Ratio Lower Upper
 75 100
 77 1.2 22.8 68.3#



#79
 2-Chlorotoluene
 Concen: Below Cal
 RT: 11.43 min Scan# 1779
 Delta R.T. 0.01 min
 Lab File: VX001943.D
 Acq: 24 May 2018 16:14

Tgt Ion: 91 Resp: 763
 Ion Ratio Lower Upper
 91 100
 126 28.2 17.4 52.2





#81

trans-1,4-Dichloro-2-butene

Concen: 55.98 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX001943.D

Acq: 24 May 2018 16:14

Instrument :

MSVOA_X

ClientSampleId :

STORAGEBLANK-SOILREF-6

Tgt Ion: 75 Resp: 133997

Ion Ratio Lower Upper

75 100

53 0.0 78.0 117.0#

89 0.0 39.4 59.2#

