

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082418\
 Data File : VN050882.D
 Acq On : 24 Aug 2018 17:21
 Operator : MD\SY
 Sample : J4653-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE BLANK-SOILREF-6

Quant Time: Aug 24 22:56:34 2018
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 05:38:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	584228	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	965447	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	810899	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	278600	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	387050	55.03	ug/l	0.00
Spiked Amount			Recovery	=	110.06%	
35) Dibromofluoromethane	7.59	113	362768	47.23	ug/l	0.00
Spiked Amount			Recovery	=	94.46%	
50) Toluene-d8	10.09	98	1305927	45.48	ug/l	0.00
Spiked Amount			Recovery	=	90.96%	
62) 4-Bromofluorobenzene	12.40	95	355894	37.30	ug/l	0.00
Spiked Amount			Recovery	=	74.60%	

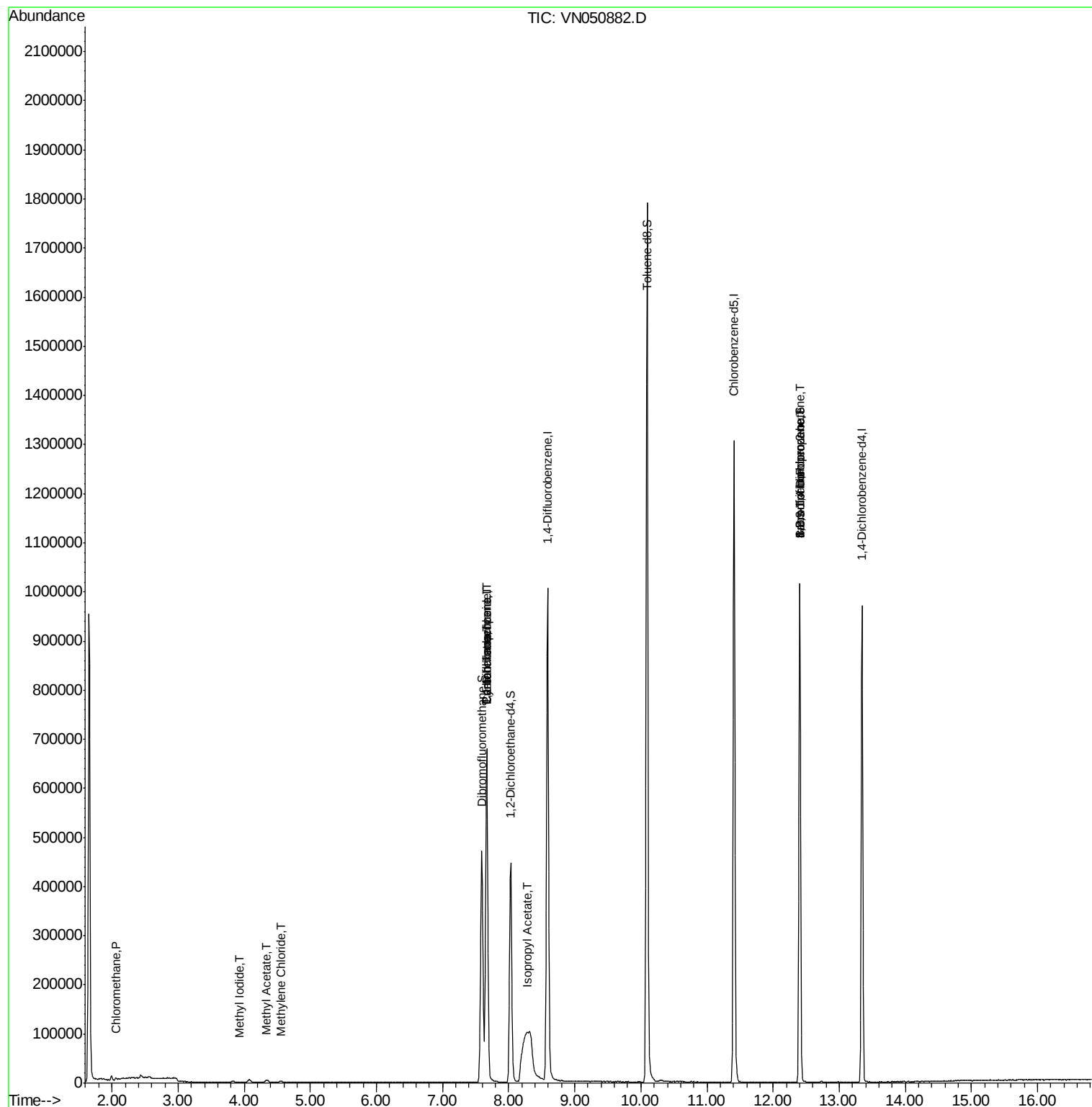
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	2366	0.25	ug/l	# 83
5) Bromomethane	2.57	94	2352	Below	Cal	# 66
10) Methyl Iodide	3.94	142	130	6.36	ug/l	# 50
16) Acetone	3.82	43	2570	Below	Cal	# 89
18) Methyl Acetate	4.34	43	11067	1.67	ug/l	# 73
20) Methylene Chloride	4.56	84	1779	0.22	ug/l	# 79
31) Cyclohexane	7.67	56	10165	1.31	ug/l	# 1
36) 1,1-Dichloropropene	7.67	75	39621	3.48	ug/l	# 49
38) Carbon Tetrachloride	7.67	117	50951	4.42	ug/l	# 17
43) Isopropyl Acetate	8.27	43	165300	14.69	ug/l	# 58
71) Bromoform	12.40	173	1446	0.27	ug/l	# 1
75) 1,1,2,2-Tetrachloroethane	12.40	83	81	Below	Cal	# 1
76) 1,2,3-Trichloropropane	12.40	75	167765	34.38	ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.40	75	167765	116.23	ug/l	# 15

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

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Quant Title : SW846 8260
QLast Update : Wed Aug 22 05:38:12 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN050882.D

Acq: 24 Aug 2018 17:21

Instrument :

MSVOA_N

ClientSampleId :

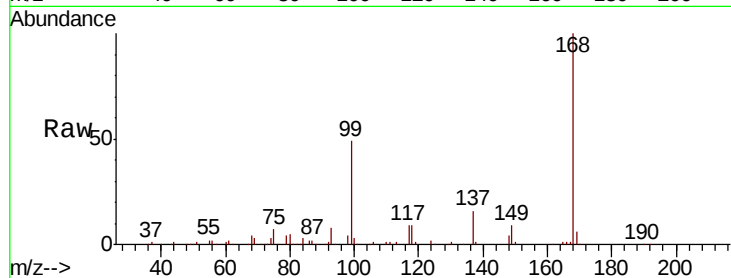
STORAGEBLANK-SOILREF-6

Tot Ion:168 Resp: 584228

Ion Ratio Lower Upper

168 100

99 49.1 39.6 59.4



Abundance Ion 167.90 (167.60 to 168.60): VN050882.D (-1870) (-)

Ion 98.90 (98.60 to 99.60): VN050882.D (-1870) (-)

7.67

250000

200000

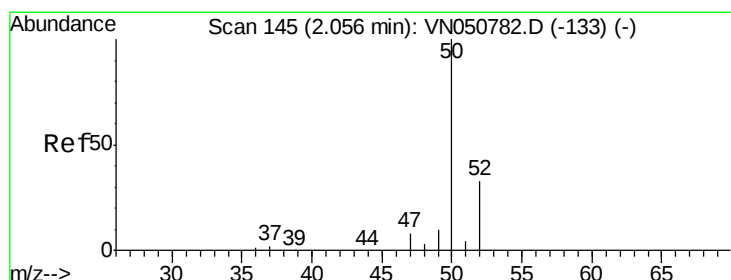
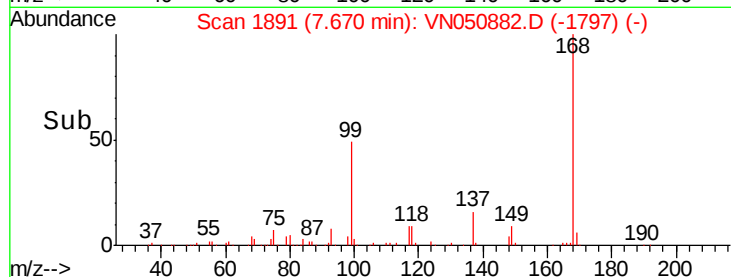
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.25 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050882.D

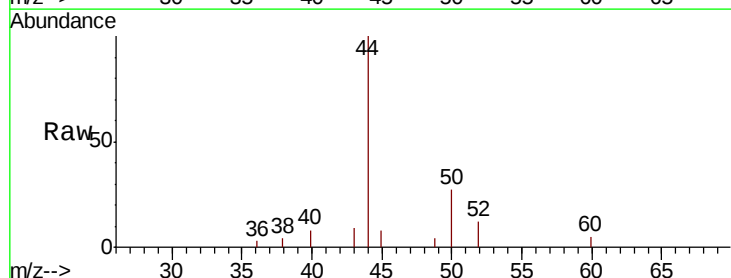
Acq: 24 Aug 2018 17:21

Tgt Ion: 50 Resp: 2366

Ion Ratio Lower Upper

50 100

52 42.7 26.3 39.5#



Abundance Ion 49.90 (49.60 to 50.60): VN050882.D (-133) (-)

Ion 51.90 (51.60 to 52.60): VN050882.D (-133) (-)

2.06

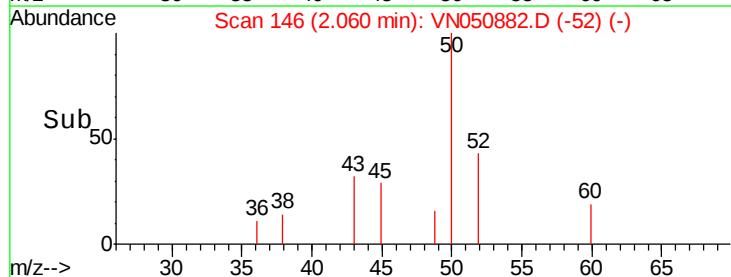
1500

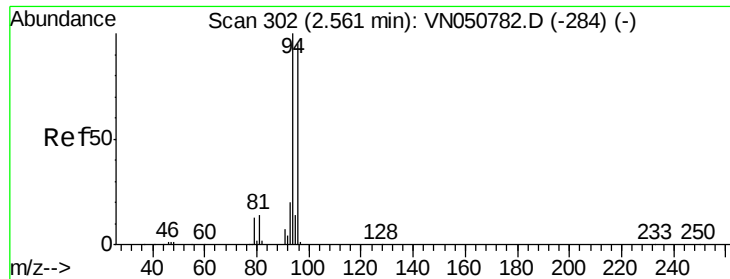
1000

500

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.57 min Scan# 304

Delta R.T. 0.01 min

Lab File: VN050882.D

Acq: 24 Aug 2018 17:21

Instrument :

MSVOA_N

ClientSampleId :

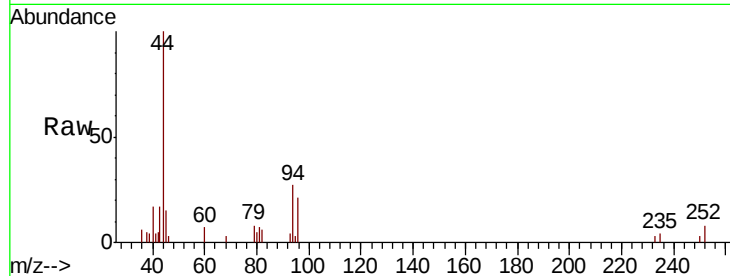
STORAGEBLANK-SOILREF-6

Tot Ion: 94 Resp: 2352

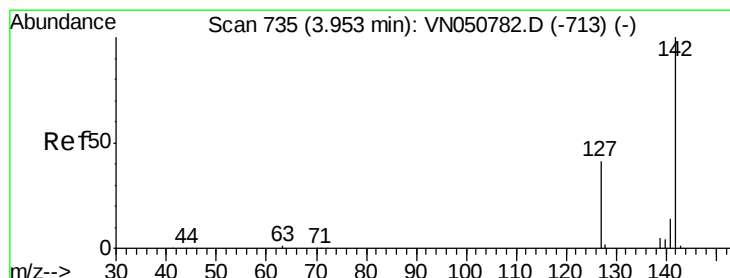
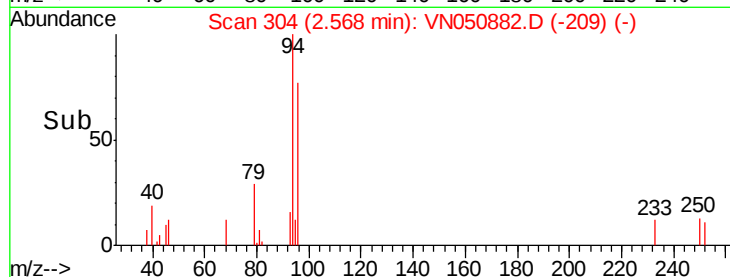
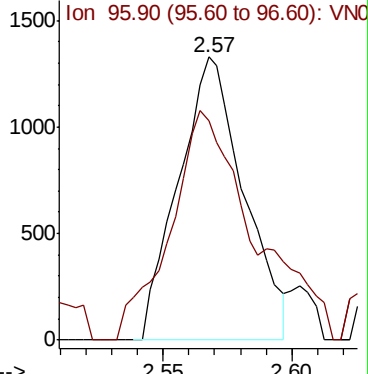
Ion Ratio Lower Upper

94 100

96 62.6 76.2 114.2#



Abundance Ion 93.90 (93.60 to 94.60): VN050882.D (-284) (-)



#10

Methyl Iodide

Concen: 6.36 ug/l

RT: 3.94 min Scan# 732

Delta R.T. -0.01 min

Lab File: VN050882.D

Acq: 24 Aug 2018 17:21

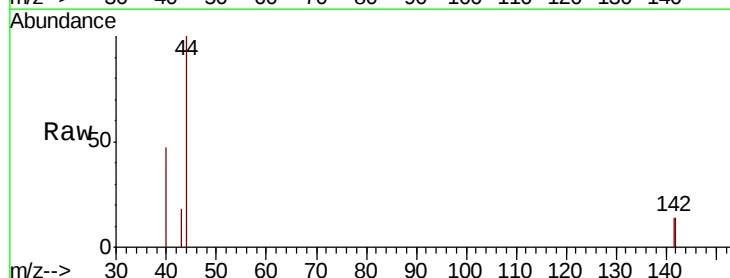
Tgt Ion: 142 Resp: 130

Ion Ratio Lower Upper

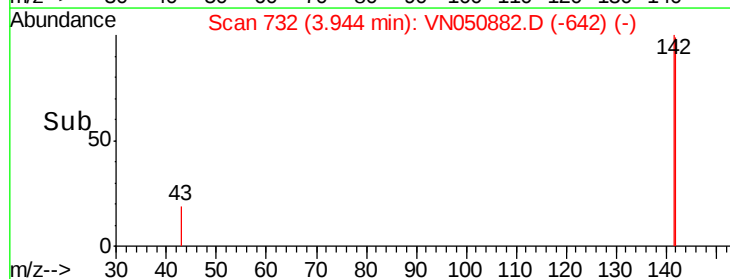
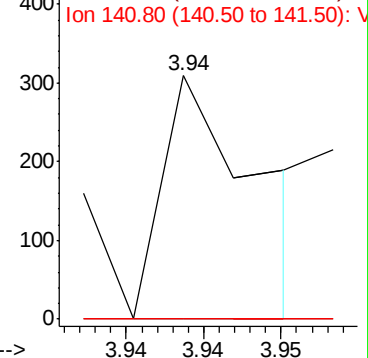
142 100

127 73.8 31.7 47.5#

141 0.0 11.4 17.0#



Abundance Ion 141.80 (141.50 to 142.50): VN050882.D (-713) (-)





#16

Acetone

Concen: Below Cal

RT: 3.82 min Scan# 693

Delta R.T. 0.00 min

Lab File: VN050882.D

Acq: 24 Aug 2018 17:21

Instrument :

MSVOA_N

ClientSampleId :

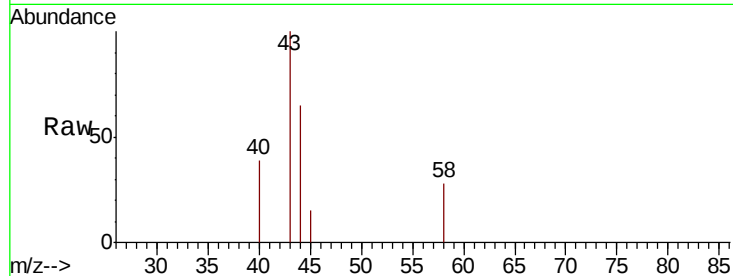
STORAGEBLANK-SOILREF-6

Tot Ion: 43 Resp: 2570

Ion Ratio Lower Upper

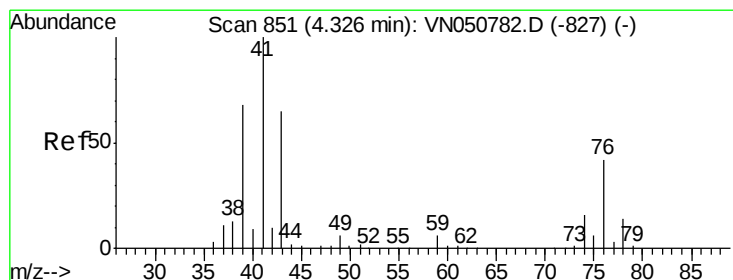
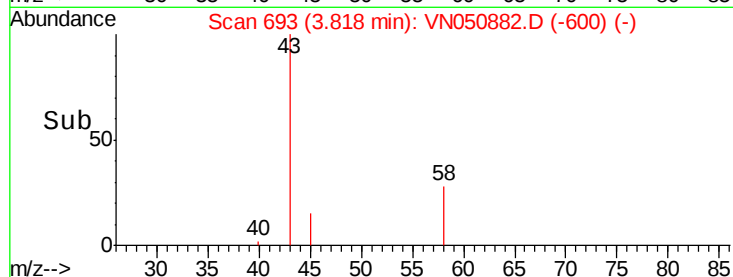
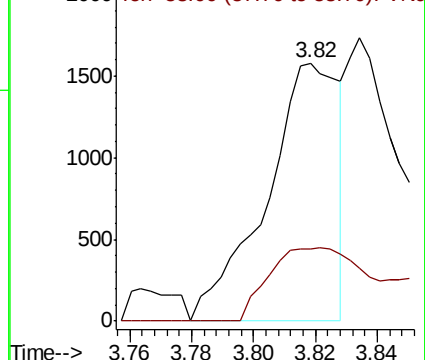
43 100

58 27.9 27.2 40.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#18

Methyl Acetate

Concen: 1.67 ug/l

RT: 4.34 min Scan# 855

Delta R.T. 0.01 min

Lab File: VN050882.D

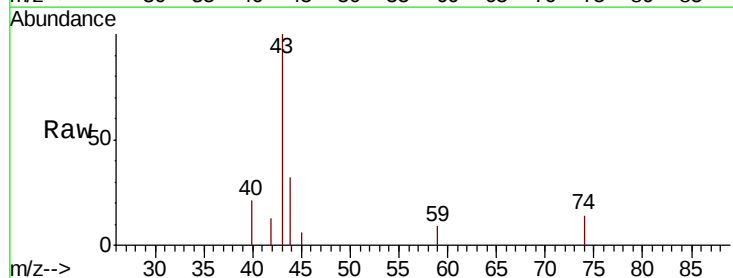
Acq: 24 Aug 2018 17:21

Tgt Ion: 43 Resp: 11067

Ion Ratio Lower Upper

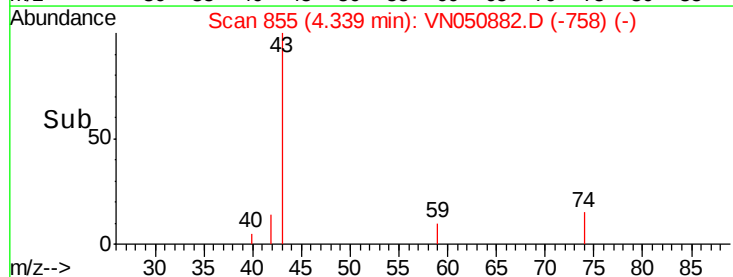
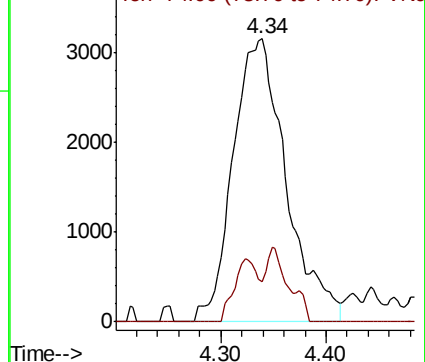
43 100

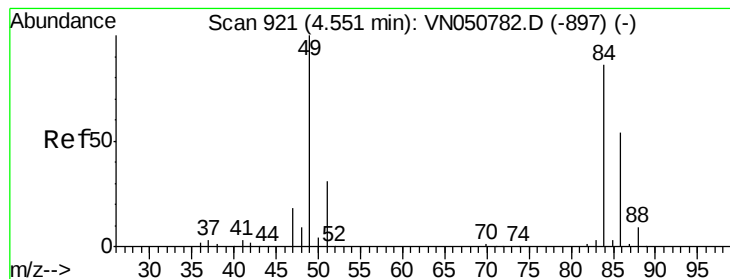
74 11.1 19.8 29.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





#20

Methvlene Chloride

Concen: 0.22 ug/l

RT: 4.56 min Scan# 923

Delta R.T. 0.01 min

Lab File: VN050882.D

Acq: 24 Aug 2018 17:21

Instrument :

MSVOA_N

ClientSampleId :

STORAGEBLANK-SOILREF-6

Tot Ion: 84 Resp: 1779

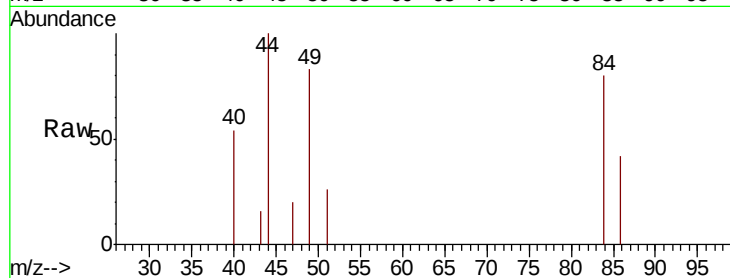
Ion Ratio Lower Upper

84 100

49 83.0 93.2 139.8#

51 32.9 29.0 43.6

86 53.2 49.8 74.8

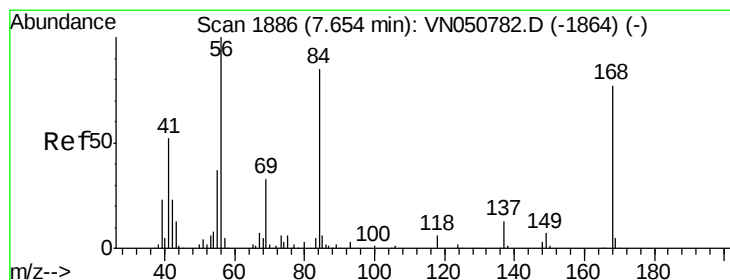
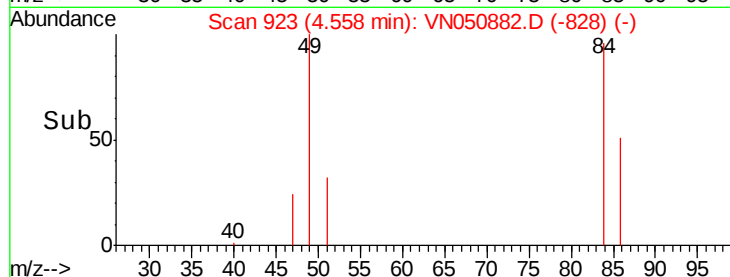
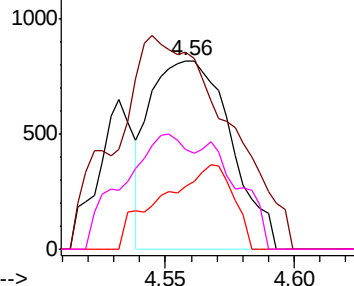


Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0



#31

Cyclohexane

Concen: 1.31 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.01 min

Lab File: VN050882.D

Acq: 24 Aug 2018 17:21

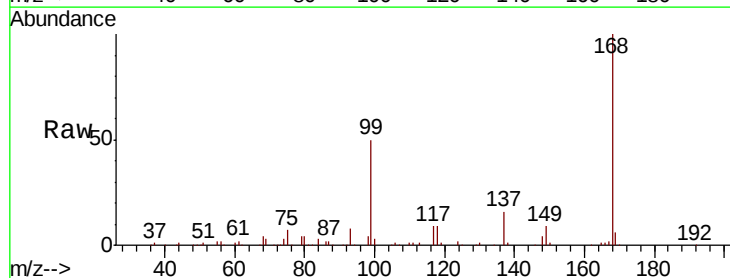
Tgt Ion: 56 Resp: 10165

Ion Ratio Lower Upper

56 100

69 201.6 26.2 39.4#

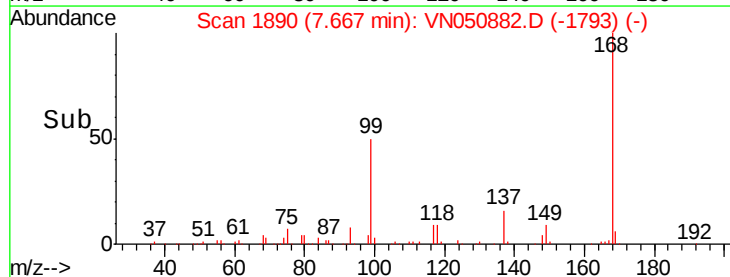
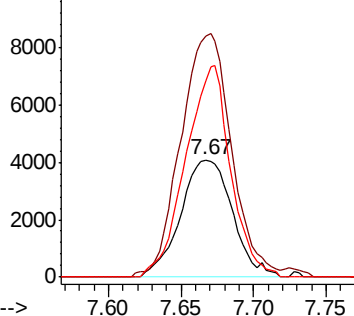
84 167.4 68.3 102.5#

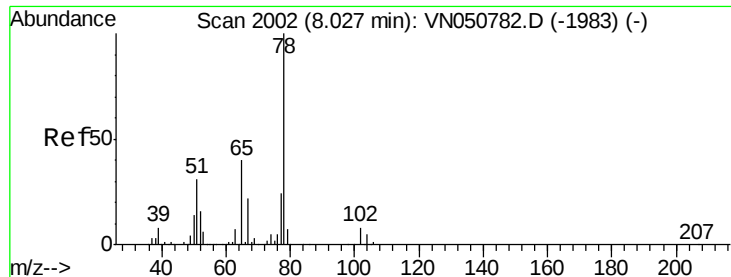


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0





#33

1,2-Dichloroethane-d4

Concen: 55.03 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN050882.D

Acq: 24 Aug 2018 17:21

Instrument :

MSVOA_N

ClientSampleId :

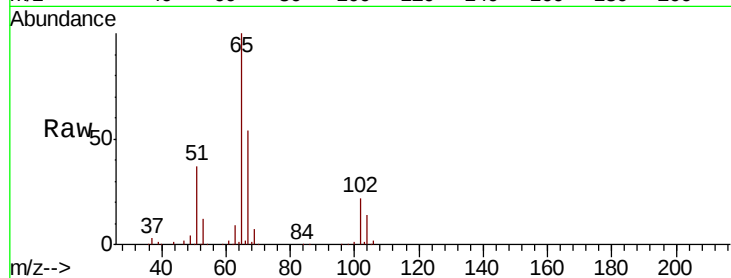
STORAGEBLANK-SOILREF-6

Tot Ion: 65 Resp: 387050

Ion Ratio Lower Upper

65 100

67 54.3 0.0 110.4



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

8.03

150000

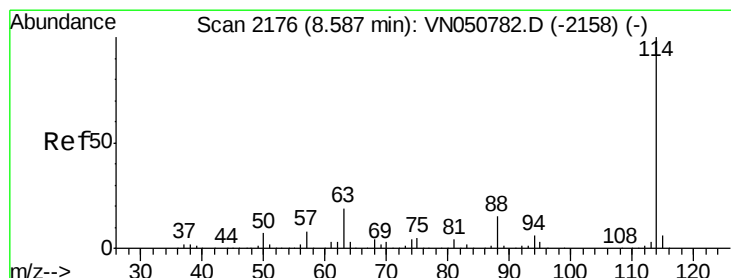
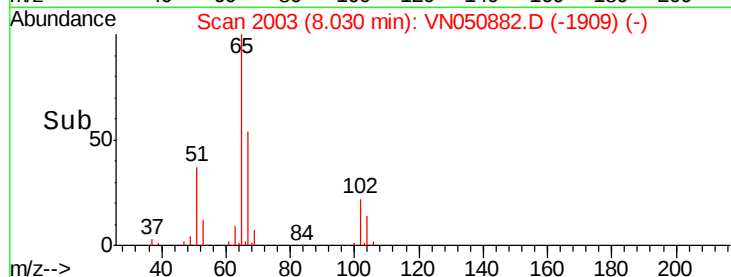
100000

50000

0

7.90 8.00 8.10 8.20

Time-->



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VN050882.D

Acq: 24 Aug 2018 17:21

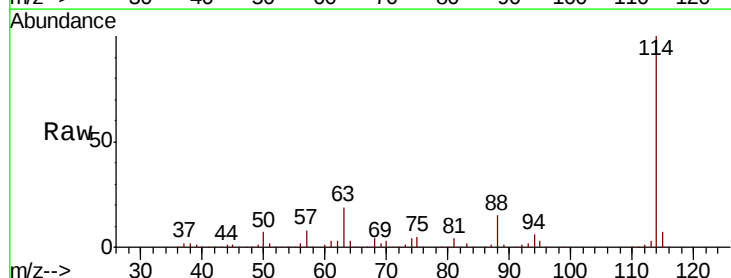
Tgt Ion: 114 Resp: 965447

Ion Ratio Lower Upper

114 100

63 18.9 0.0 38.6

88 15.3 0.0 30.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0

600000

500000

400000

300000

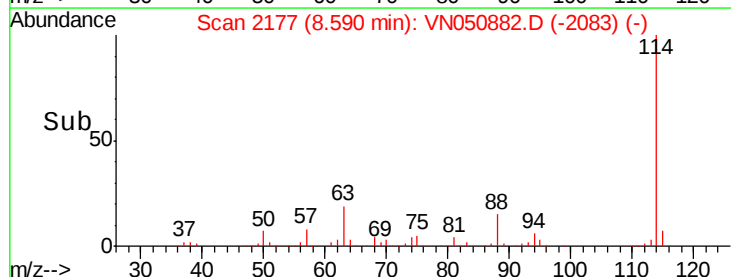
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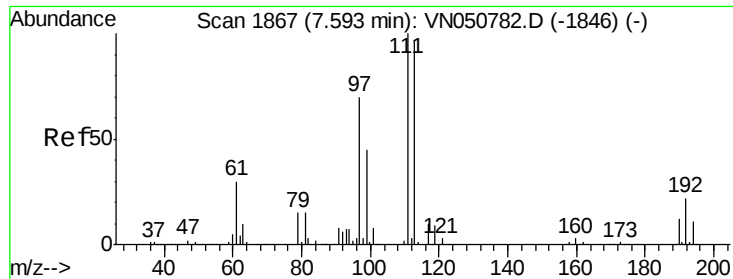
100000

0

8.50 8.60 8.70

Time-->

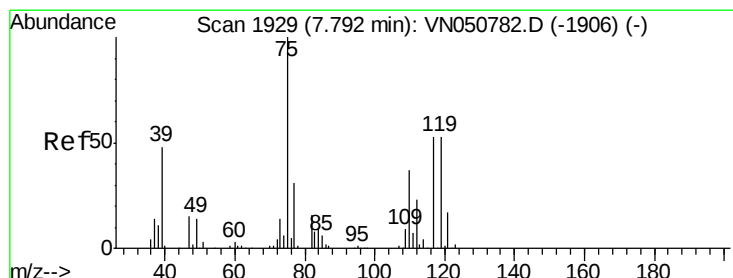
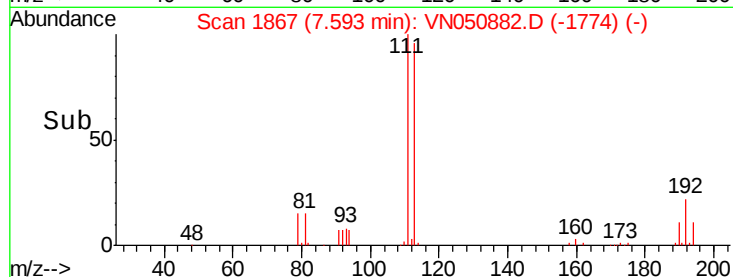
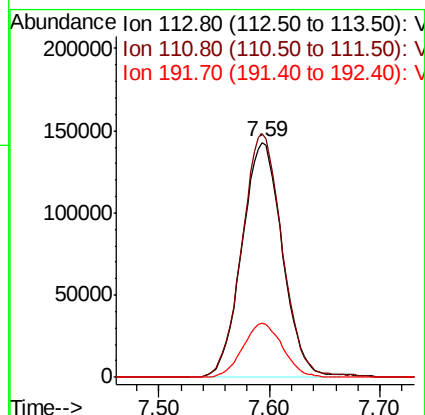
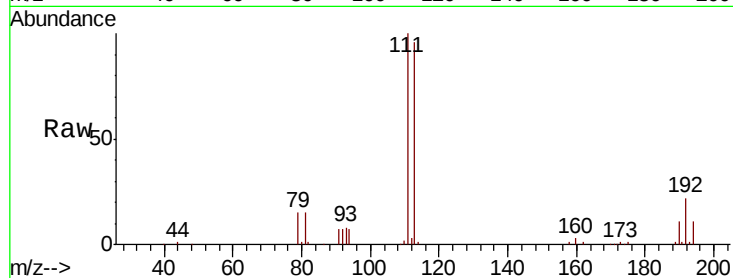




#35
 Dibromofluoromethane
 Concen: 47.23 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050882.D
 Acq: 24 Aug 2018 17:21

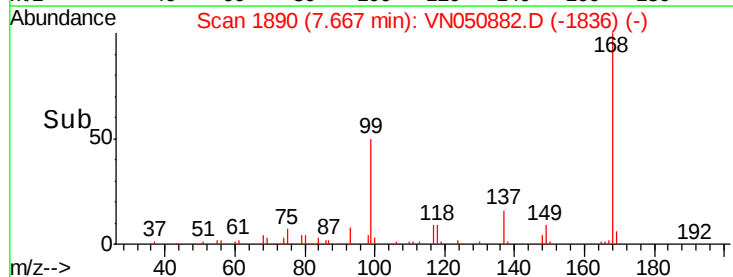
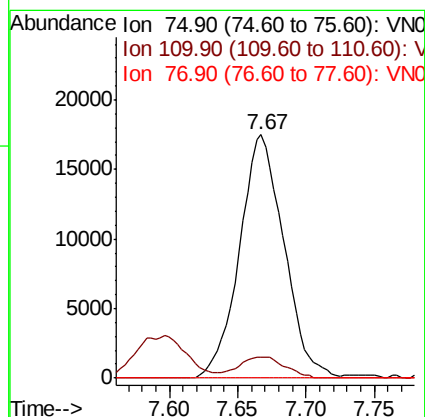
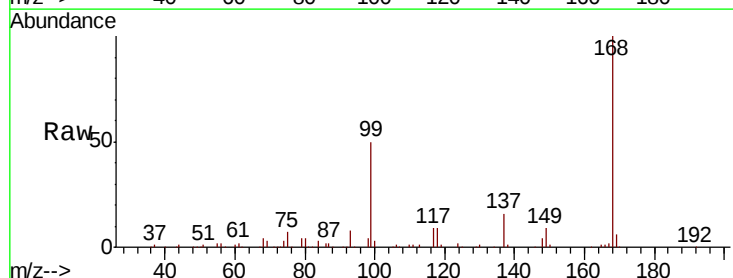
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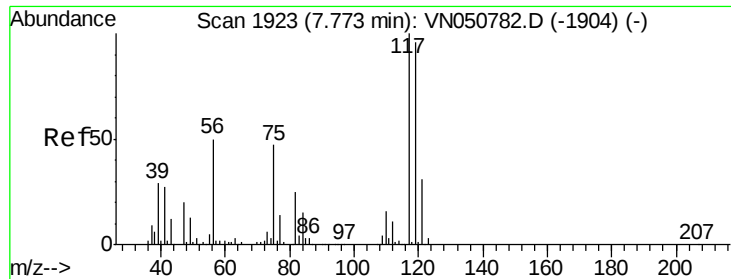
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.6	82.6	123.8
192	22.9	18.0	27.0



#36
 1,1-Dichloropropene
 Concen: 3.48 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.13 min
 Lab File: VN050882.D
 Acq: 24 Aug 2018 17:21

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.1	18.1	54.4#
77	0.0	24.8	37.2#

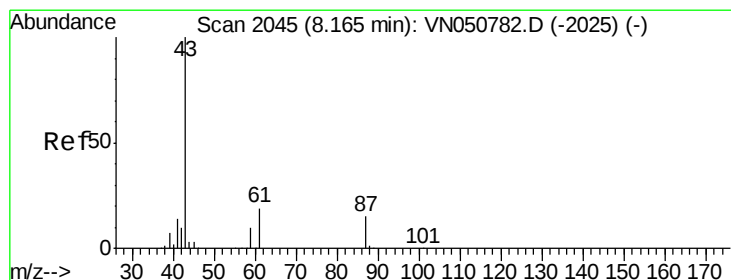
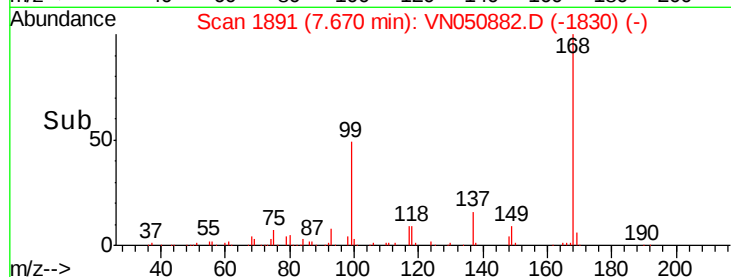
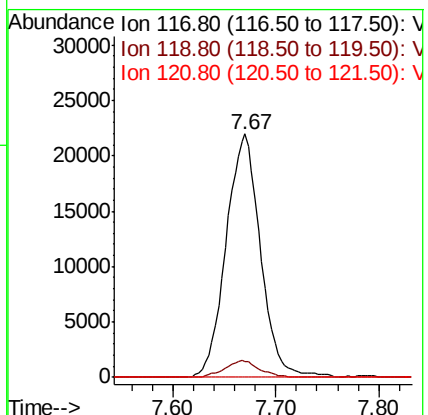
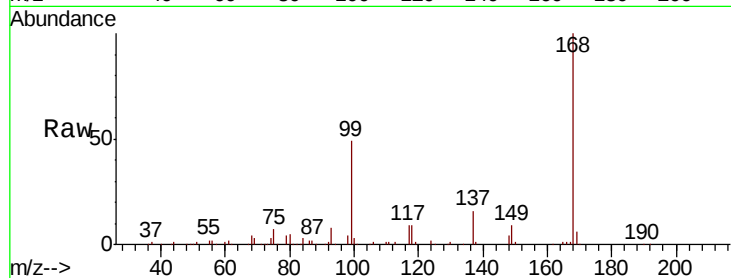




#38
Carbon Tetrachloride
Concen: 4.42 ug/l
RT: 7.67 min Scan# 1891
Delta R.T. -0.10 min
Lab File: VN050882.D
Acq: 24 Aug 2018 17:21

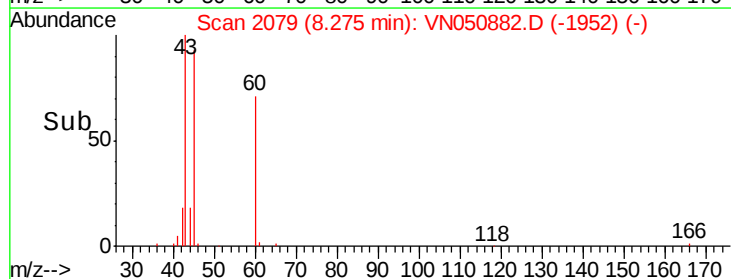
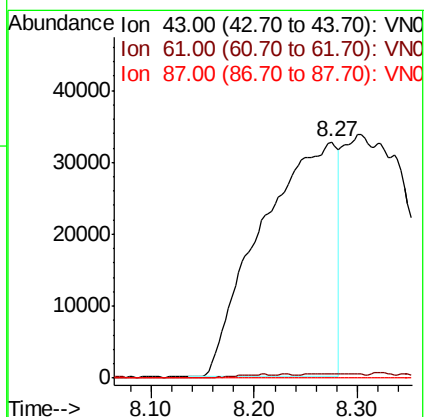
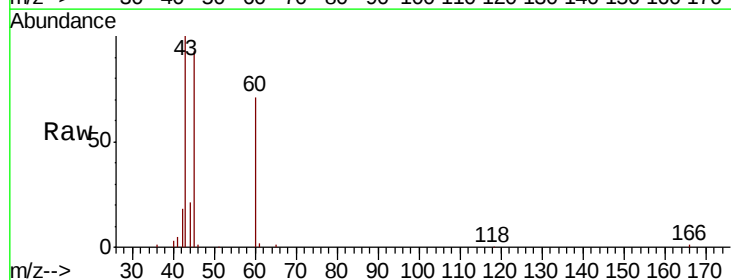
Instrument :
MSVOA_N
ClientSampleId :
STORAGEBLANK-SOILREF-6

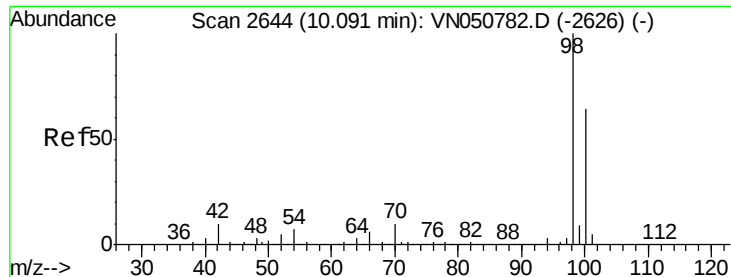
Tot Ion:117 Resp: 50951
Ion Ratio Lower Upper
117 100
119 6.7 76.3 114.5#
121 0.0 24.6 36.8#



#43
Isopropyl Acetate
Concen: 14.69 ug/l
RT: 8.27 min Scan# 2079
Delta R.T. 0.11 min
Lab File: VN050882.D
Acq: 24 Aug 2018 17:21

Tgt Ion: 43 Resp: 165300
Ion Ratio Lower Upper
43 100
61 0.0 17.5 26.3#
87 0.0 11.3 16.9#

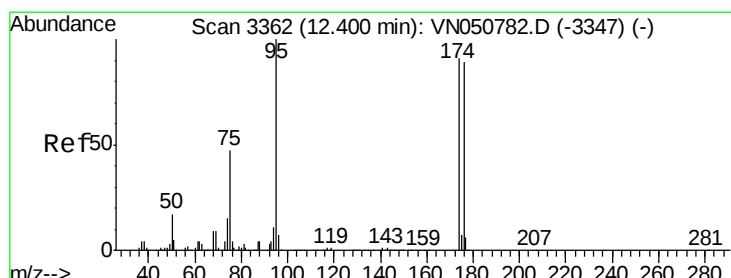
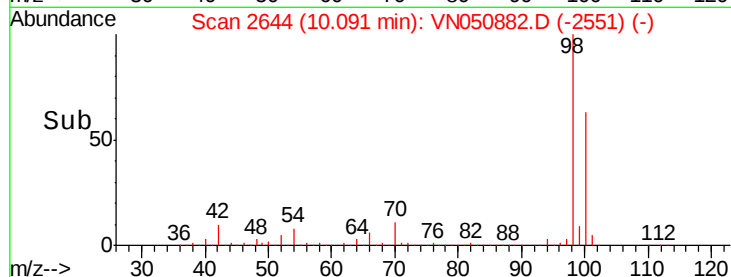
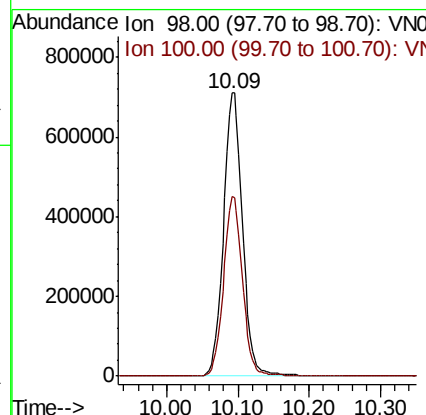
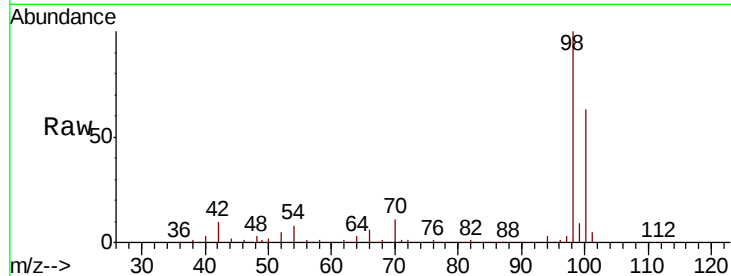




#50
Toluene-d8
Concen: 45.48 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN050882.D
Acq: 24 Aug 2018 17:21

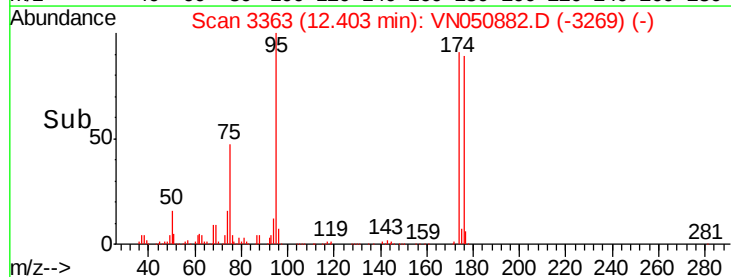
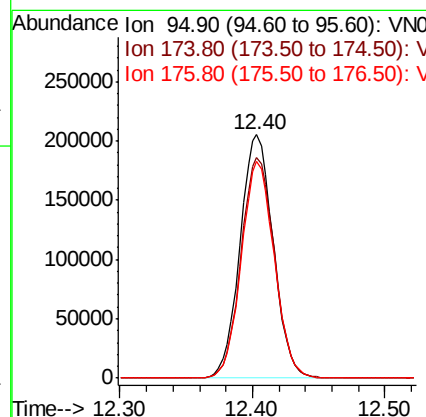
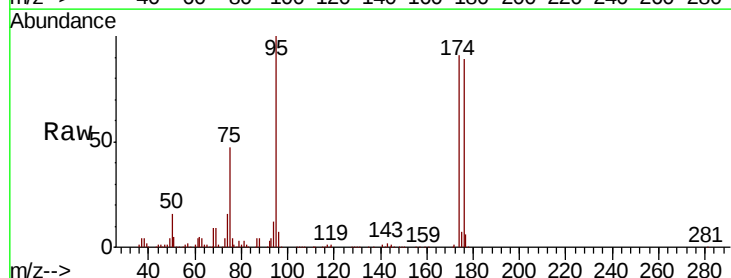
Instrument :
MSVOA_N
ClientSampleId :
STORAGEBLANK-SOILREF-6

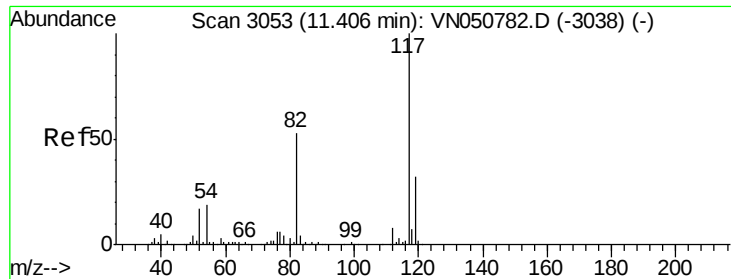
Tot Ion: 98 Resp: 1305927
Ion Ratio Lower Upper
98 100
100 63.3 51.5 77.3



#62
4-Bromofluorobenzene
Concen: 37.30 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN050882.D
Acq: 24 Aug 2018 17:21

Tgt Ion: 95 Resp: 355894
Ion Ratio Lower Upper
95 100
174 91.5 0.0 183.0
176 88.5 0.0 178.8

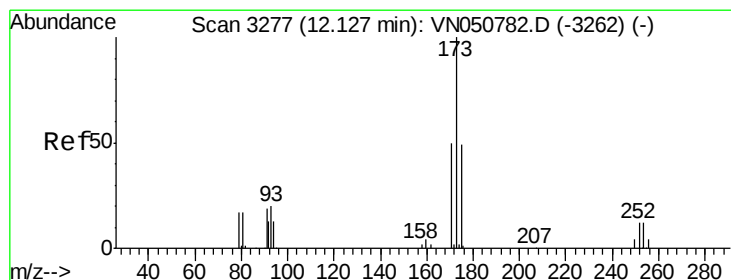
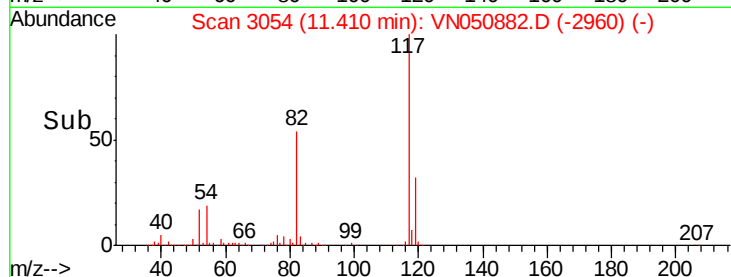
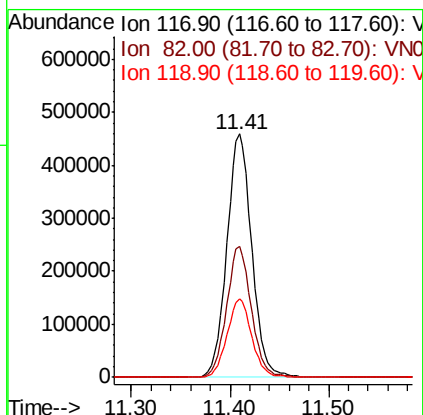
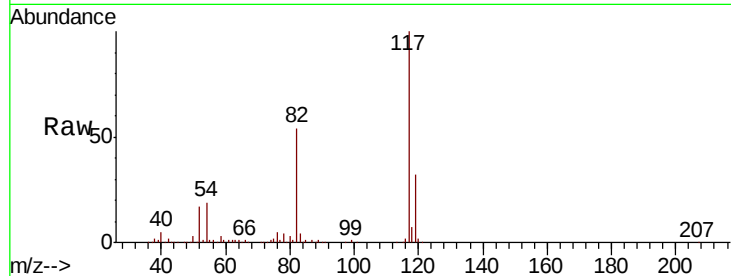




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050882.D
Acq: 24 Aug 2018 17:21

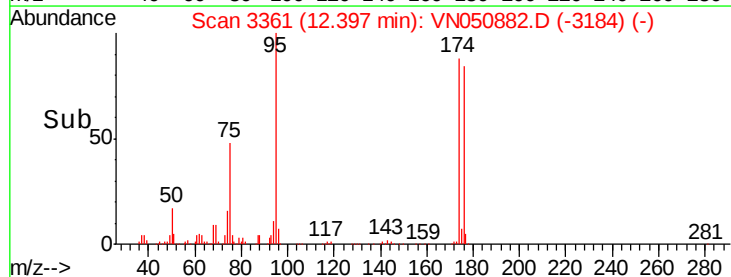
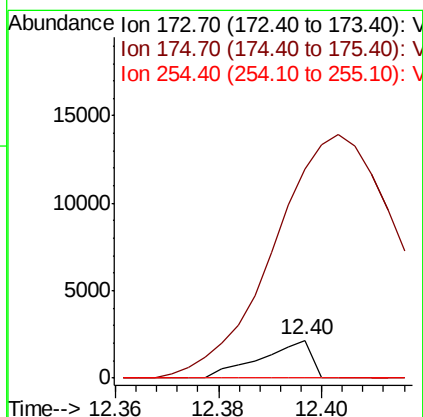
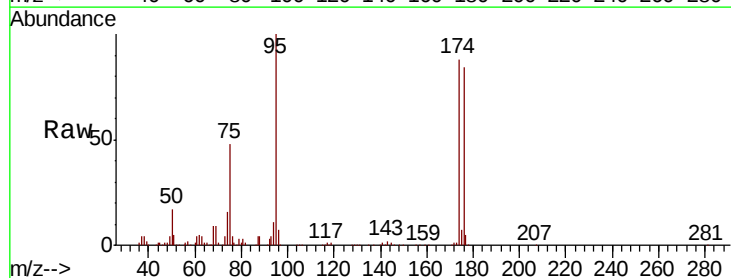
Instrument :
MSVOA_N
ClientSampleId :
STORAGEBLANK-SOILREF-6

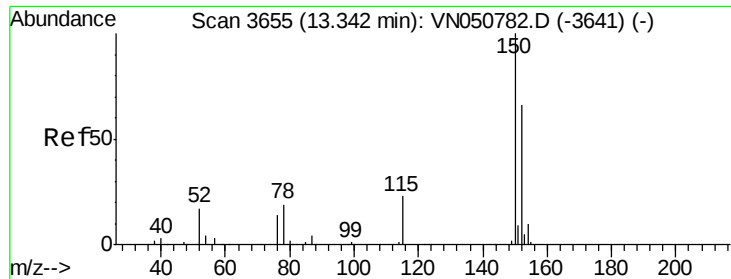
Tot Ion:117 Resp: 810899
Ion Ratio Lower Upper
117 100
82 53.6 42.6 64.0
119 32.3 25.8 38.6



#71
Bromoform
Concen: 0.27 ug/l
RT: 12.40 min Scan# 3361
Delta R.T. 0.27 min
Lab File: VN050882.D
Acq: 24 Aug 2018 17:21

Tgt Ion:173 Resp: 1446
Ion Ratio Lower Upper
173 100
175 1371.4 24.4 73.4#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN050882.D

Acq: 24 Aug 2018 17:21

Instrument :

MSVOA_N

ClientSampleId :

STORAGEBLANK-SOILREF-6

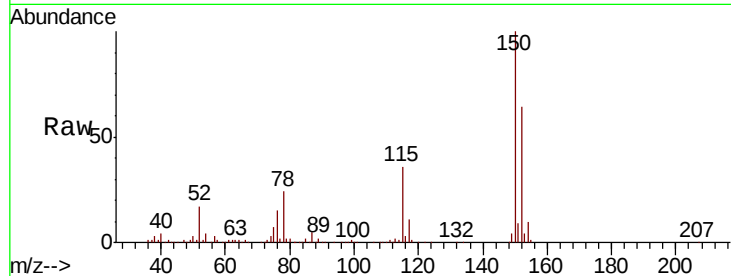
Tot Ion:152 Resp: 278600

Ion Ratio Lower Upper

152 100

115 55.3 27.8 83.4

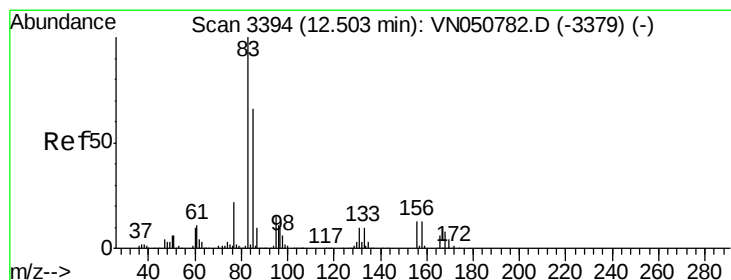
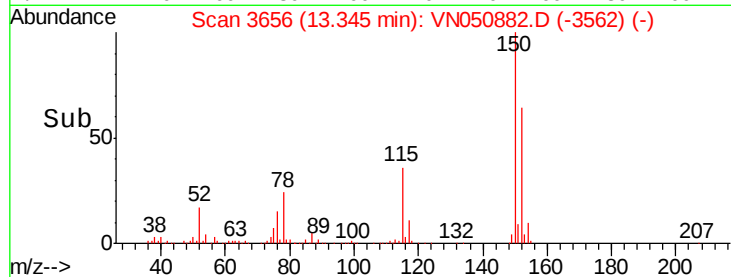
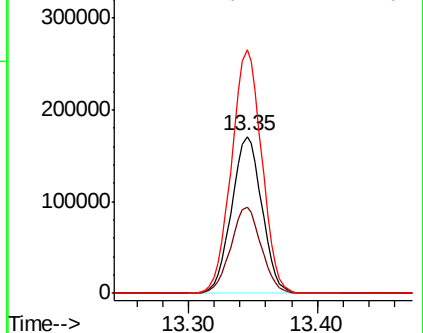
150 155.0 0.0 351.4



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



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.40 min Scan# 3362

Delta R.T. -0.10 min

Lab File: VN050882.D

Acq: 24 Aug 2018 17:21

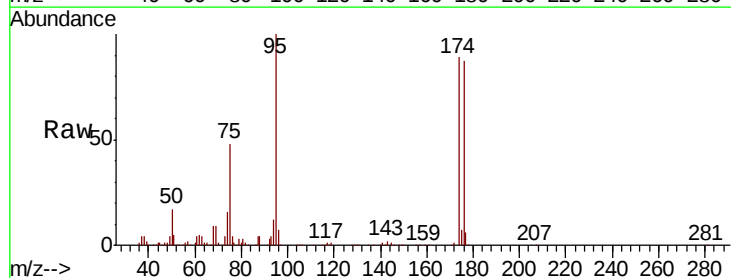
Tgt Ion: 83 Resp: 81

Ion Ratio Lower Upper

83 100

131 200.0 5.3 15.9#

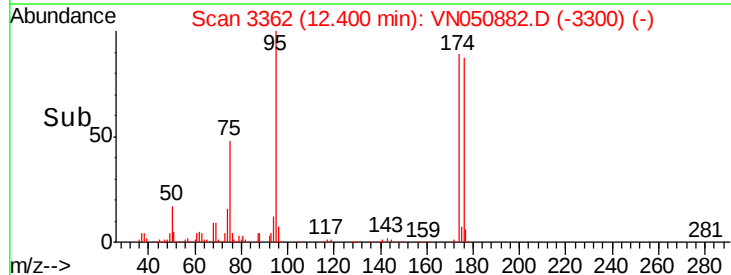
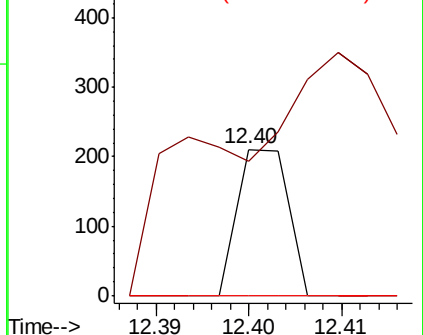
85 0.0 31.9 95.7#

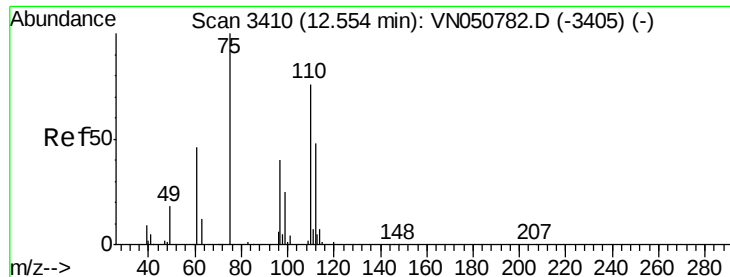


Abundance Ion 82.90 (82.60 to 83.60): VNO

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VNO





#76

1,2,3-Trichloropropane

Concen: 34.38 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050882.D

Acq: 24 Aug 2018 17:21

Instrument :

MSVOA_N

ClientSampleId :

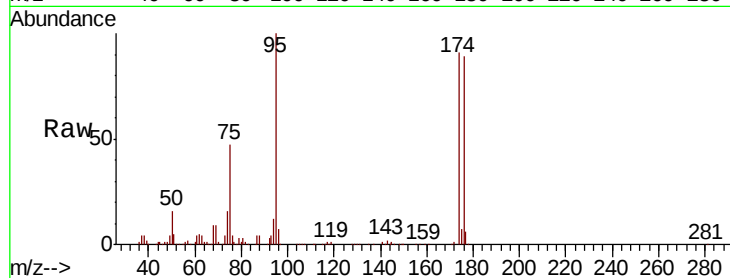
STORAGEBLANK-SOILREF-6

Tot Ion: 75 Resp: 167765

Ion Ratio Lower Upper

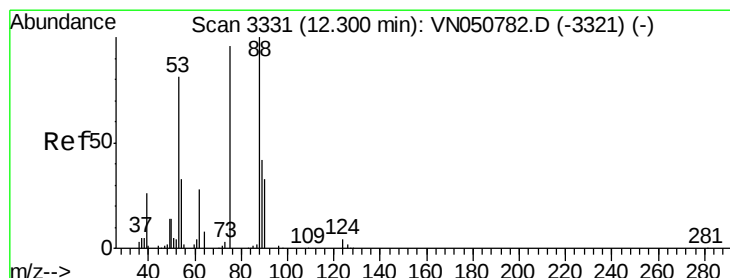
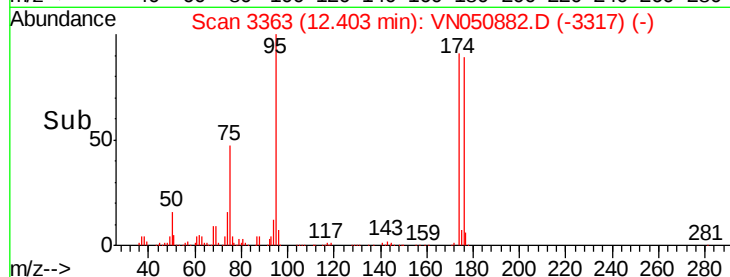
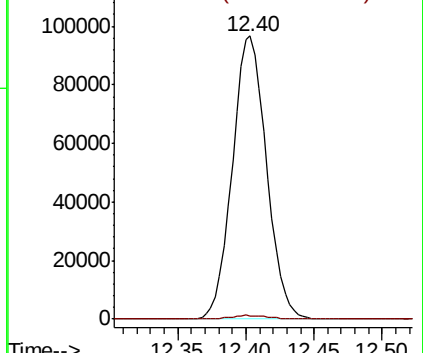
75 100

77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#81

trans-1,4-Dichloro-2-butene

Concen: 116.23 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050882.D

Acq: 24 Aug 2018 17:21

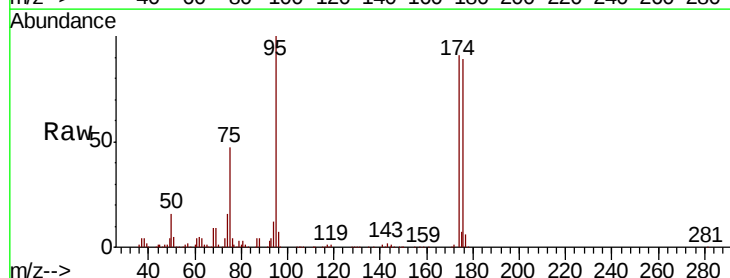
Tgt Ion: 75 Resp: 167765

Ion Ratio Lower Upper

75 100

53 0.2 68.9 103.3#

89 0.0 36.1 54.1#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

