

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082118\
 Data File : VN050791.D
 Acq On : 21 Aug 2018 19:44
 Operator : MD\SY
 Sample : J4544-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE BLANK-SOILREF-6

Quant Time: Aug 22 06:43:11 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	604769	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	950477	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	842092	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	277388	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	397588	54.61	ug/l	0.00
Spiked Amount						
			Recovery	=	109.22%	
35) Dibromofluoromethane	7.59	113	381974	50.51	ug/l	0.00
Spiked Amount						
			Recovery	=	101.02%	
50) Toluene-d8	10.09	98	1362843	48.21	ug/l	0.00
Spiked Amount						
			Recovery	=	96.42%	
62) 4-Bromofluorobenzene	12.40	95	359646	38.28	ug/l	0.00
Spiked Amount						
			Recovery	=	76.56%	

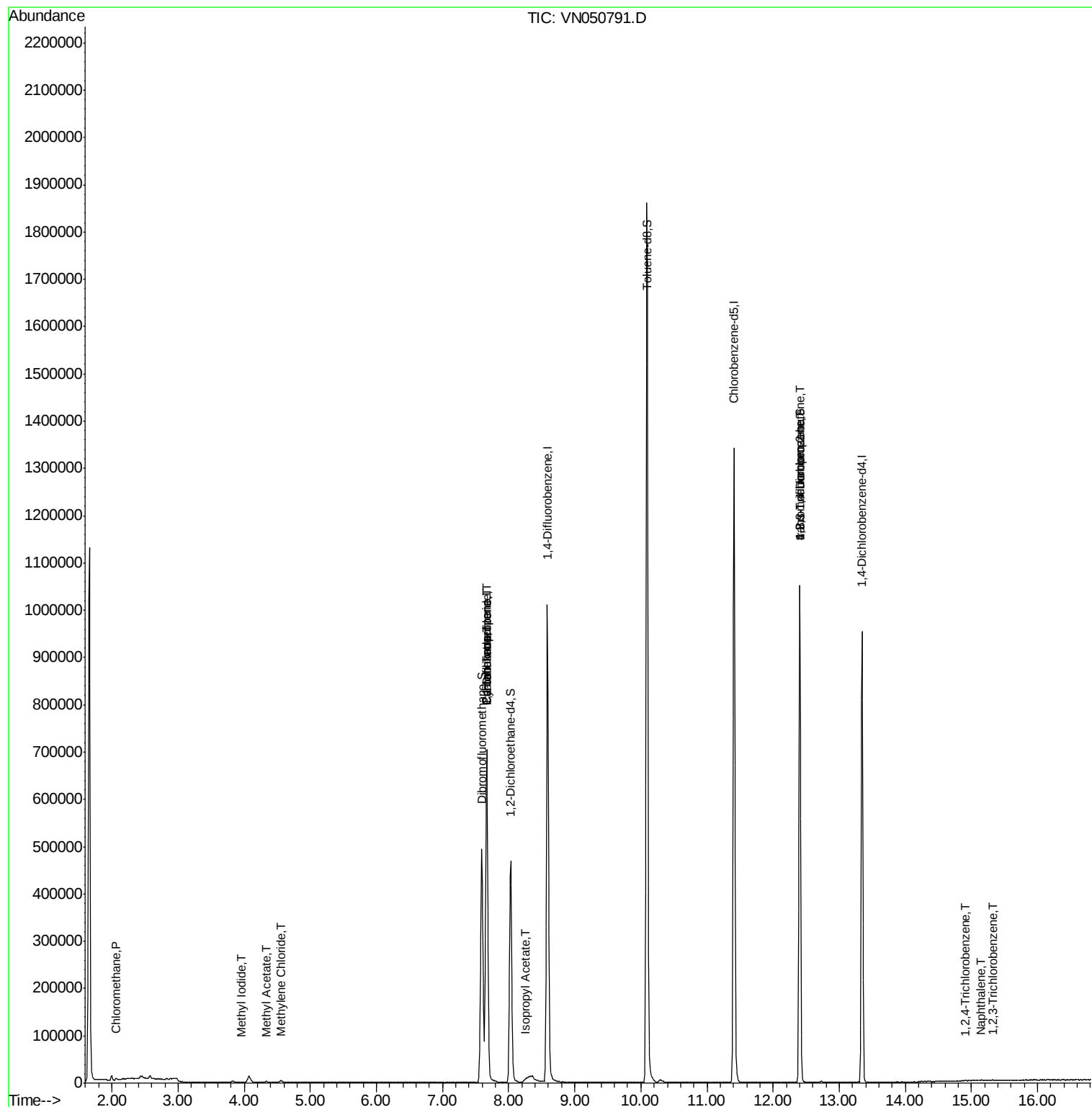
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	3440	0.345	ug/l	92
5) Bromomethane	2.57	94	3815	Below Cal		92
10) Methyl Iodide	3.95	142	788	6.444	ug/l #	89
16) Acetone	3.82	43	5095	Below Cal		92
18) Methyl Acetate	4.34	43	3674	0.534	ug/l #	71
20) Methylene Chloride	4.55	84	2603	0.317	ug/l #	84
31) Cyclohexane	7.66	56	10488	1.305	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	40747	3.633	ug/l #	49
38) Carbon Tetrachloride	7.67	117	53440	4.714	ug/l #	16
43) Isopropyl Acetate	8.25	43	4372	0.395	ug/l #	58
75) 1,1,2,2-Tetrachloroethane	12.40	83	210	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.40	75	171314	35.261	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	171314	119.202	ug/l #	15
93) 1,2,4-Trichlorobenzene	14.90	180	163	4.111	ug/l #	12
95) Naphthalene	15.14	128	800	5.464	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.32	180	331	3.358	ug/l #	62

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN050791.D

Acq: 21 Aug 2018 19:44

Instrument :

MSVOA_N

ClientSampleId :

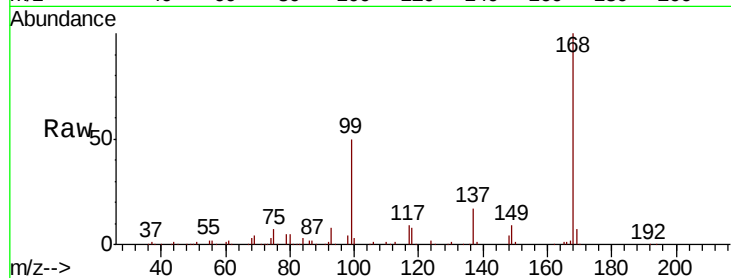
STORAGEBLANK-SOILREF-6

Tot Ion:168 Resp: 604769

Ion Ratio Lower Upper

168 100

99 50.0 39.6 59.4



Abundance Ion 167.90 (167.60 to 168.60): VN050782.D (-1870) (-)

Ion 98.90 (98.60 to 99.60): VN050782.D (-1870) (-)

7.67

250000

200000

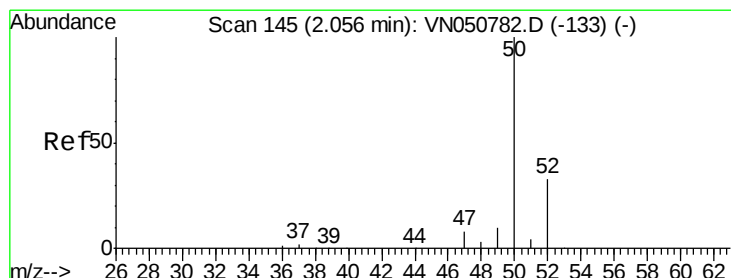
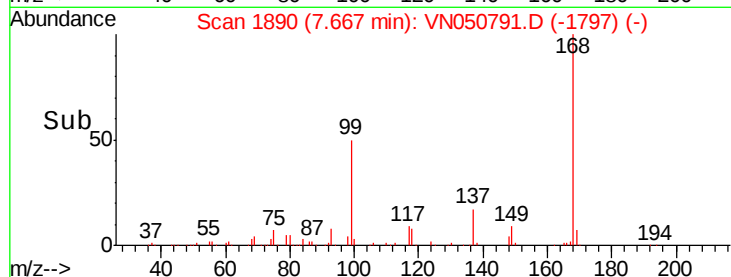
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.345 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050791.D

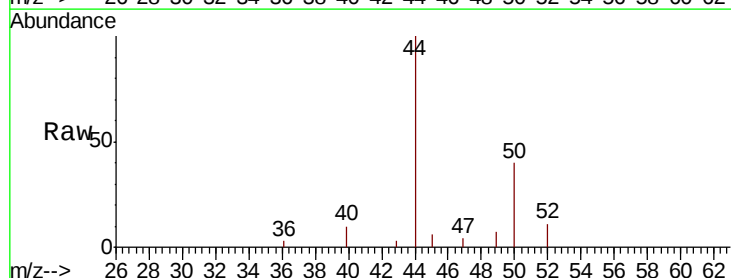
Acq: 21 Aug 2018 19:44

Tgt Ion: 50 Resp: 3440

Ion Ratio Lower Upper

50 100

52 28.5 26.3 39.5



Abundance Ion 49.90 (49.60 to 50.60): VN050782.D (-133) (-)

Ion 51.90 (51.60 to 52.60): VN050782.D (-133) (-)

2.06

2500

2000

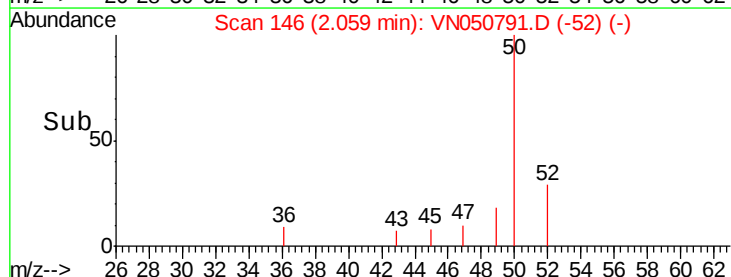
1500

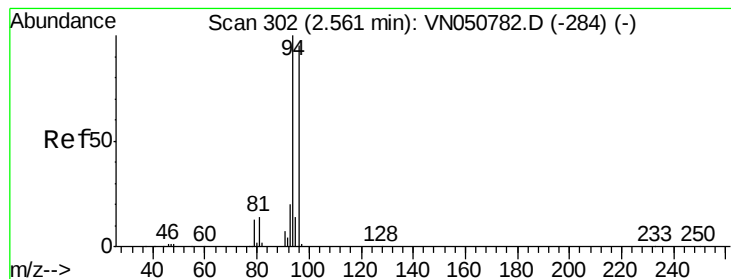
1000

500

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.57 min Scan# 306

Delta R.T. 0.01 min

Lab File: VN050791.D

Acq: 21 Aug 2018 19:44

Instrument :

MSVOA_N

ClientSampleId :

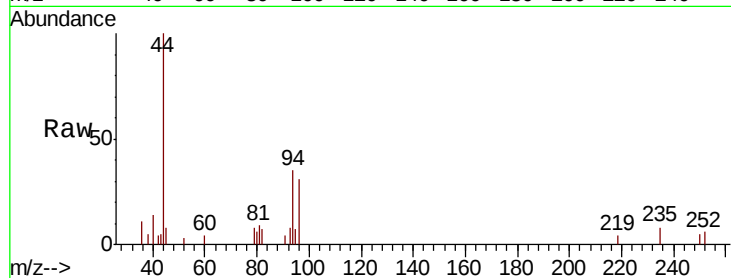
STORAGEBLANK-SOILREF-6

Tot Ion: 94 Resp: 3815

Ion Ratio Lower Upper

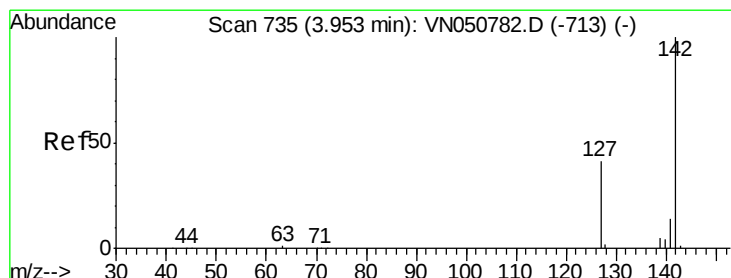
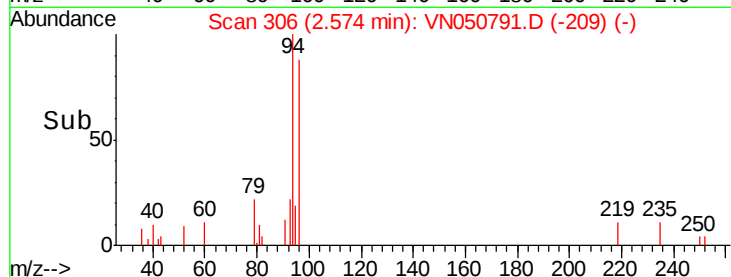
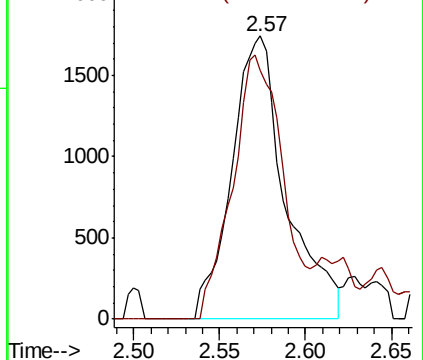
94 100

96 87.7 76.2 114.2



Abundance Ion 93.90 (93.60 to 94.60): VN050782.D (-284) (-)

Ion 95.90 (95.60 to 96.60): VN050782.D (-284) (-)



#10

Methyl Iodide

Concen: 6.444 ug/l

RT: 3.95 min Scan# 735

Delta R.T. 0.00 min

Lab File: VN050791.D

Acq: 21 Aug 2018 19:44

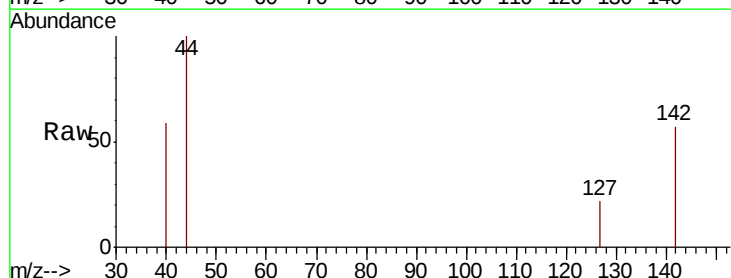
Tgt Ion: 142 Resp: 788

Ion Ratio Lower Upper

142 100

127 38.5 31.7 47.5

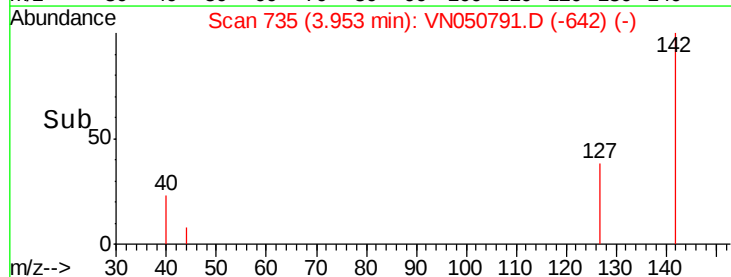
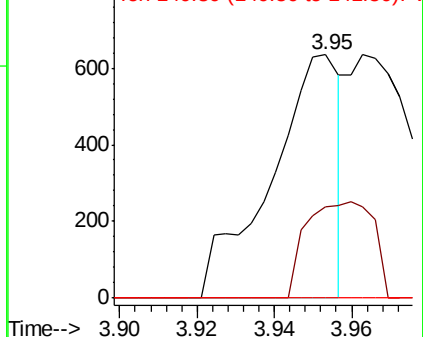
141 0.0 11.4 17.0#



Abundance Ion 141.80 (141.50 to 142.50): VN050782.D (-713) (-)

Ion 126.80 (126.50 to 127.50): VN050782.D (-713) (-)

Ion 140.80 (140.50 to 141.50): VN050782.D (-713) (-)





#16

Acetone

Concen: Below Cal

RT: 3.82 min Scan# 695

Delta R.T. 0.01 min

Lab File: VN050791.D

Acq: 21 Aug 2018 19:44

Instrument :

MSVOA_N

ClientSampleId :

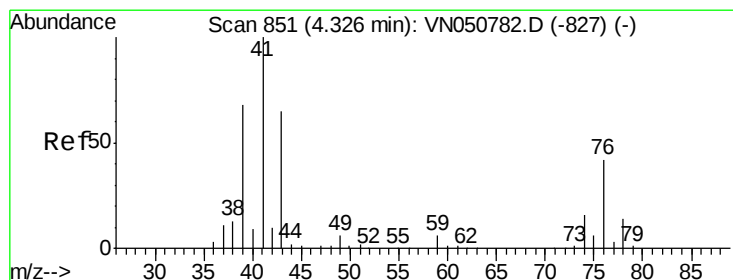
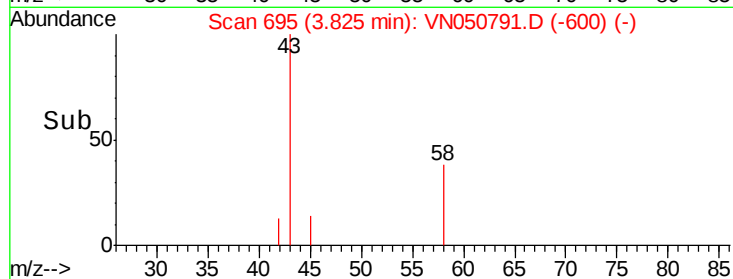
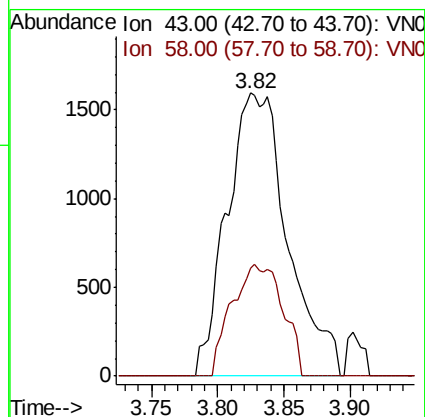
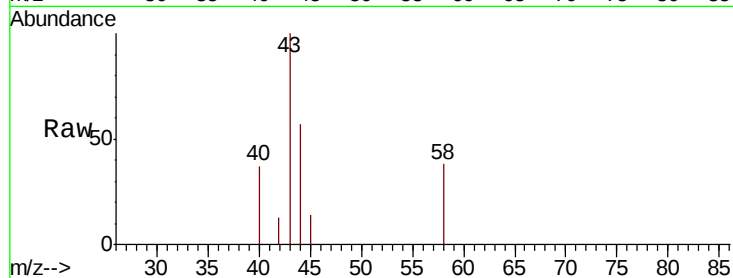
STORAGEBLANK-SOILREF-6

Tot Ion: 43 Resp: 5095

Ion Ratio Lower Upper

43 100

58 38.4 27.2 40.8



#18

Methyl Acetate

Concen: 0.534 ug/l

RT: 4.34 min Scan# 854

Delta R.T. 0.01 min

Lab File: VN050791.D

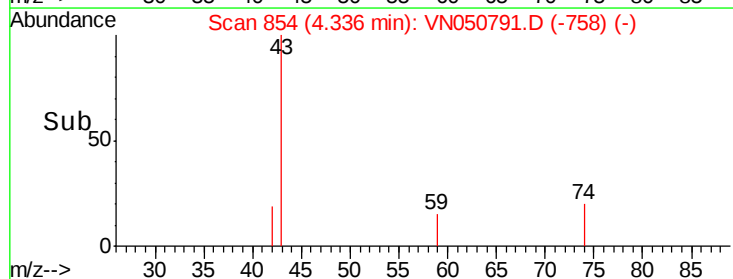
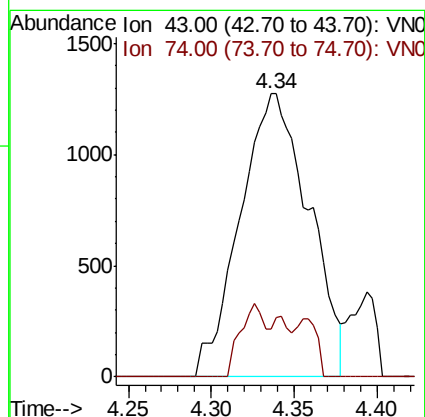
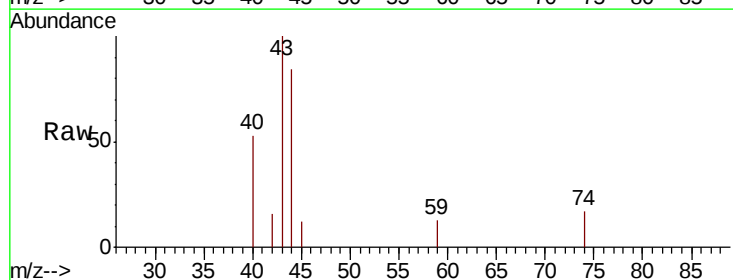
Acq: 21 Aug 2018 19:44

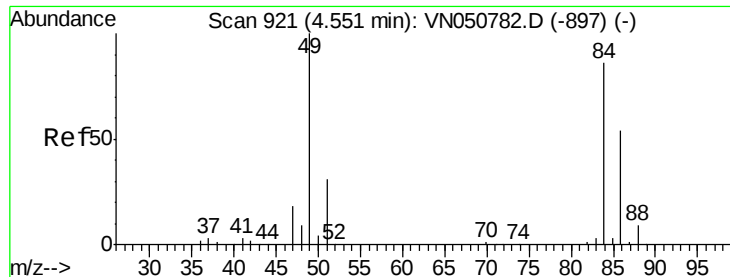
Tgt Ion: 43 Resp: 3674

Ion Ratio Lower Upper

43 100

74 10.1 19.8 29.8#

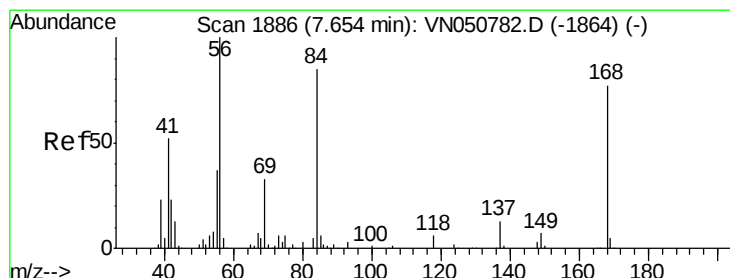
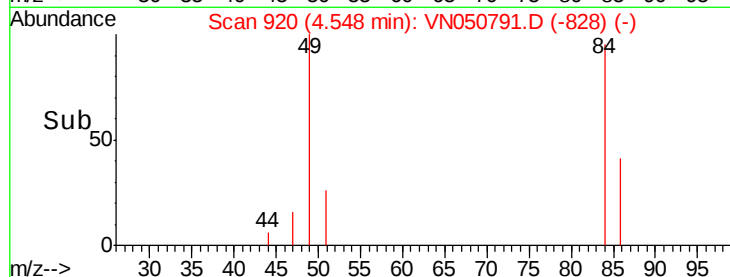
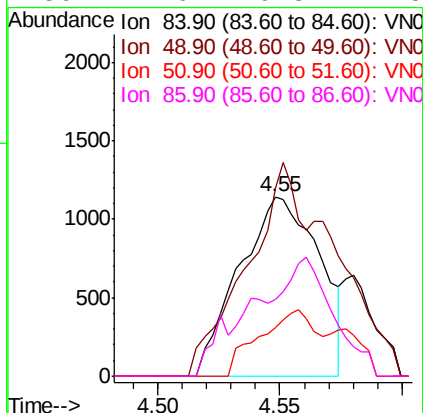
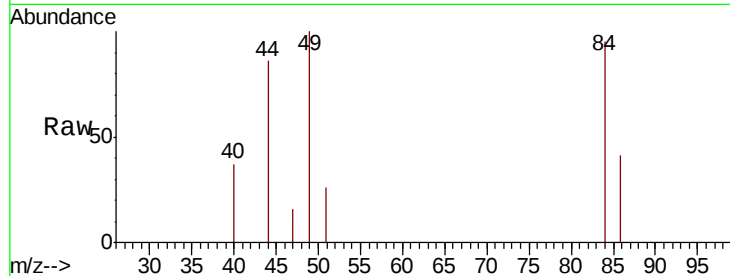




#20
Methvlene Chloride
Concen: 0.317 ug/l
RT: 4.55 min Scan# 920
Delta R.T. -0.00 min
Lab File: VN050791.D
Acq: 21 Aug 2018 19:44

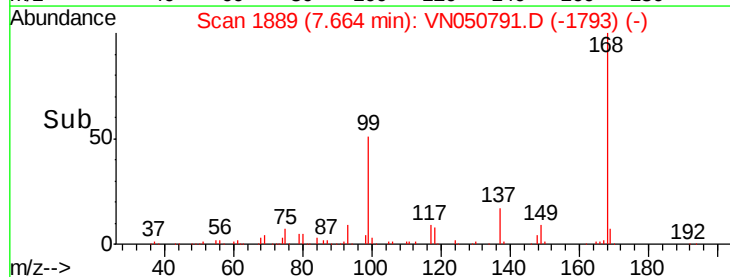
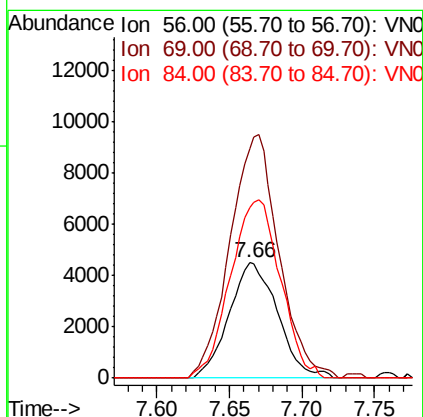
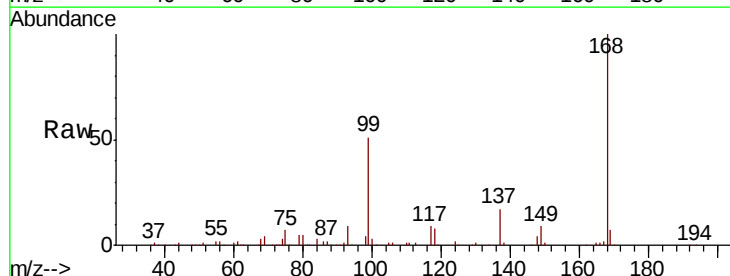
Instrument :
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ClientSampleId :
STORAGEBLANK-SOILREF-6

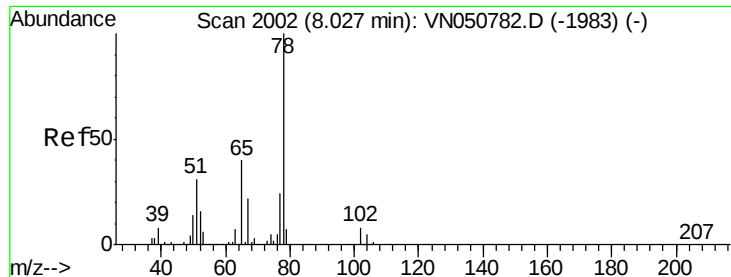
Tot Ion: 84 Resp: 2603
Ion Ratio Lower Upper
84 100
49 104.8 93.2 139.8
51 27.5 29.0 43.6#
86 42.6 49.8 74.8#



#31
Cyclohexane
Concen: 1.305 ug/l
RT: 7.66 min Scan# 1889
Delta R.T. 0.01 min
Lab File: VN050791.D
Acq: 21 Aug 2018 19:44

Tgt Ion: 56 Resp: 10488
Ion Ratio Lower Upper
56 100
69 200.1 26.2 39.4#
84 148.8 68.3 102.5#

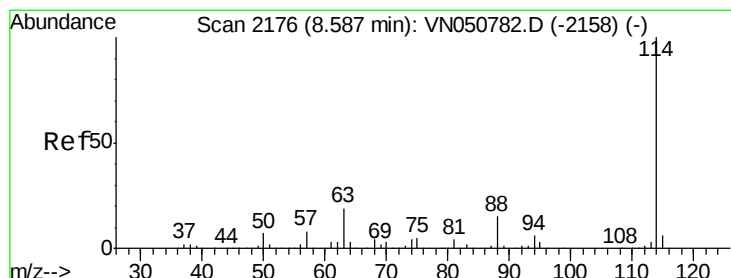
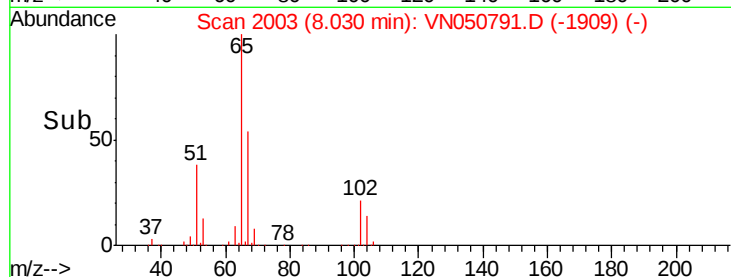
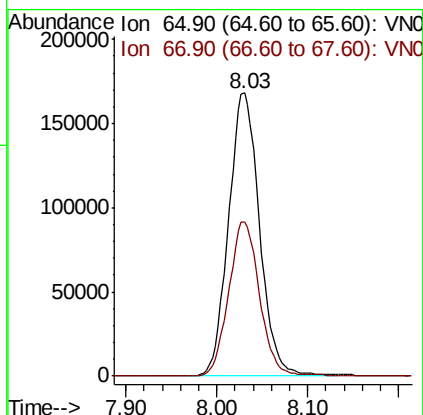
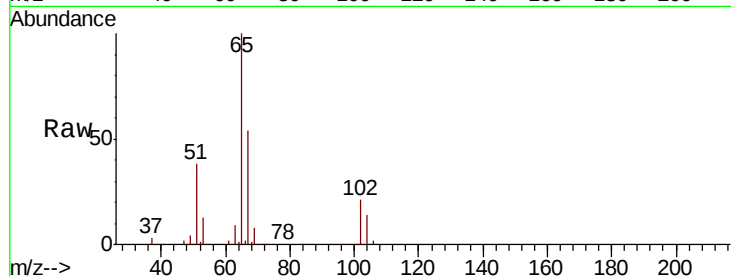




#33
 1,2-Dichloroethane-d4
 Concen: 54.609 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050791.D
 Acq: 21 Aug 2018 19:44

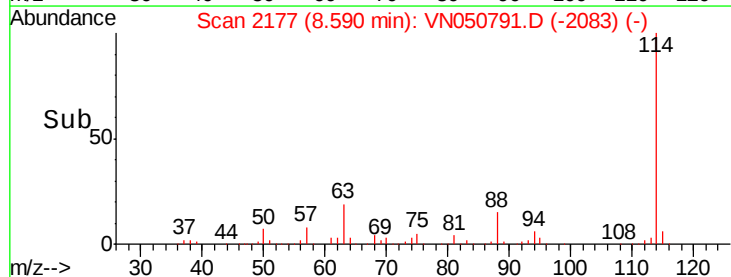
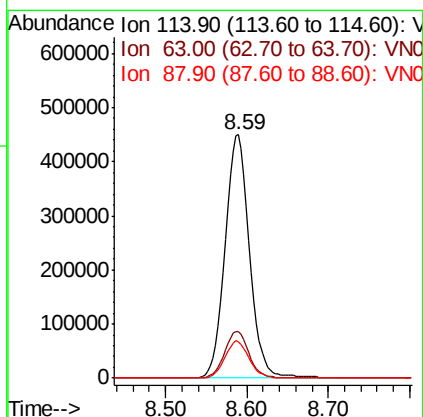
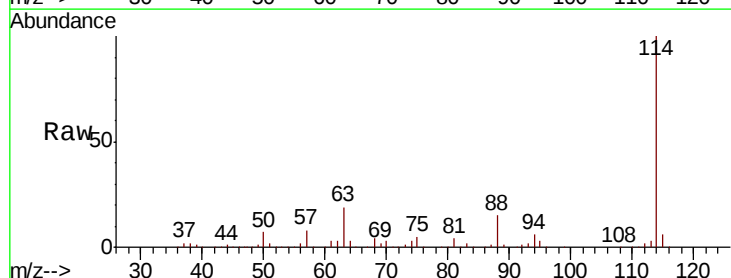
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 STORAGEBLANK-SOILREF-6

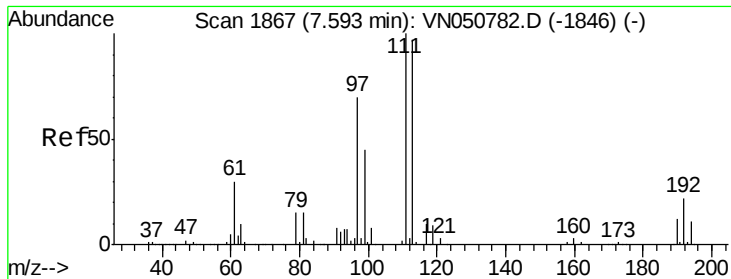
Tot Ion: 65 Resp: 397588
 Ion Ratio Lower Upper
 65 100
 67 54.4 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050791.D
 Acq: 21 Aug 2018 19:44

Tgt Ion: 114 Resp: 950477
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 38.6
 88 14.9 0.0 30.6

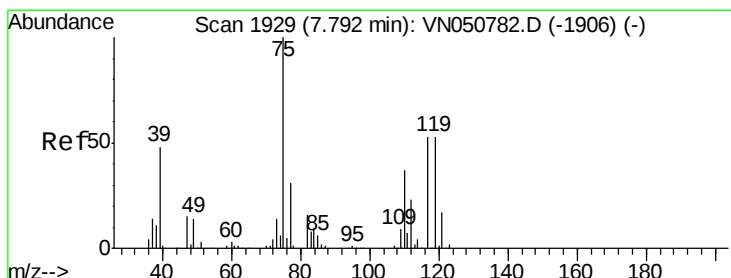
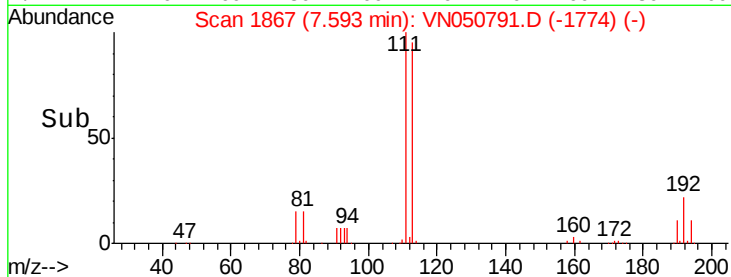
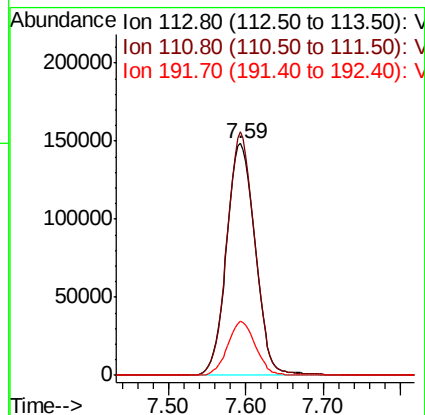
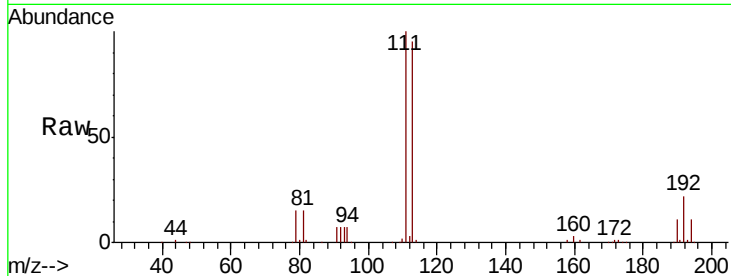




#35
 Dibromofluoromethane
 Concen: 50.515 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN050791.D
 Acq: 21 Aug 2018 19:44

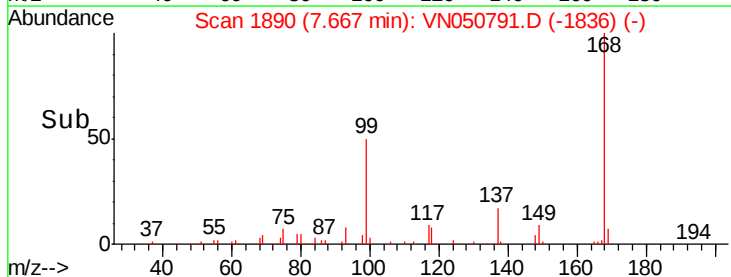
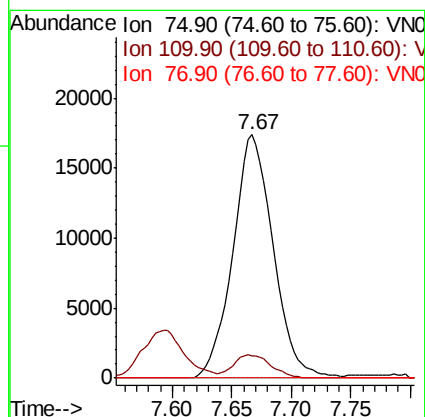
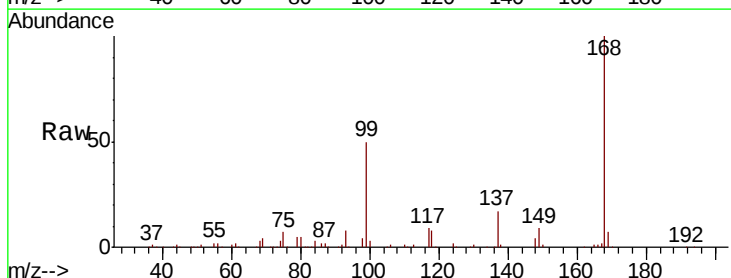
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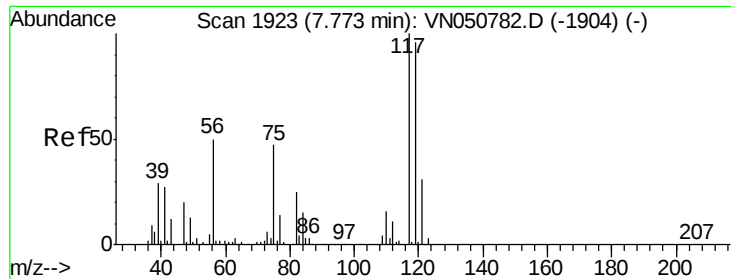
Tot Ion:113 Resp: 381974
 Ion Ratio Lower Upper
 113 100
 111 101.0 82.6 123.8
 192 22.6 18.0 27.0



#36
 1,1-Dichloropropene
 Concen: 3.633 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.13 min
 Lab File: VN050791.D
 Acq: 21 Aug 2018 19:44

Tgt Ion: 75 Resp: 40747
 Ion Ratio Lower Upper
 75 100
 110 8.9 18.1 54.4#
 77 0.0 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 4.714 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.11 min

Lab File: VN050791.D

Acq: 21 Aug 2018 19:44

Instrument :

MSVOA_N

ClientSampleId :

STORAGEBLANK-SOILREF-6

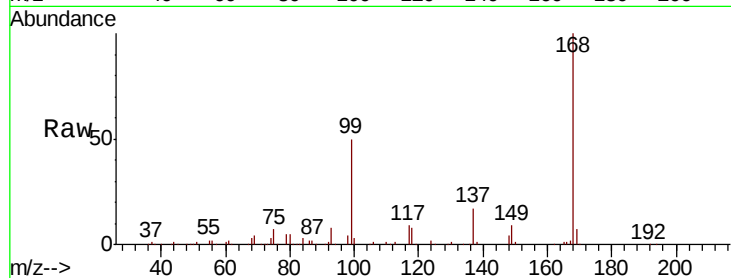
Tot Ion:117 Resp: 53440

Ion Ratio Lower Upper

117 100

119 5.1 76.3 114.5#

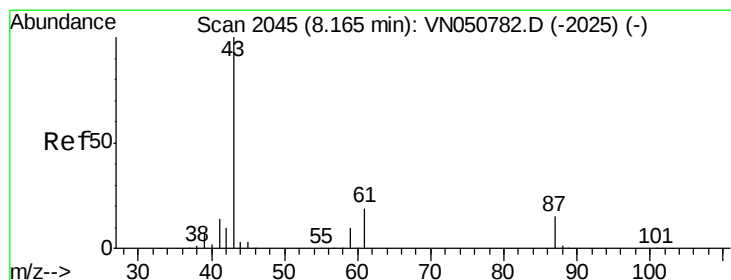
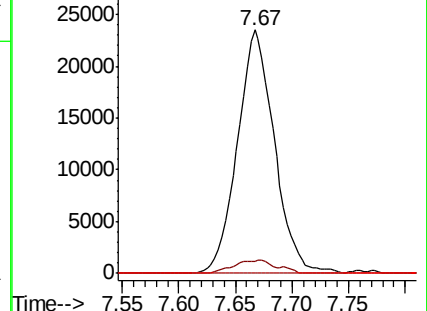
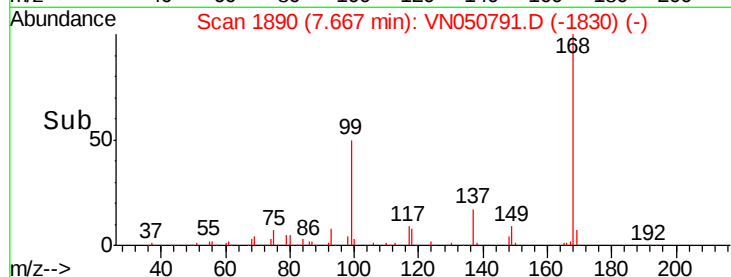
121 0.0 24.6 36.8#



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



#43

Isopropyl Acetate

Concen: 0.395 ug/l

RT: 8.25 min Scan# 2071

Delta R.T. 0.08 min

Lab File: VN050791.D

Acq: 21 Aug 2018 19:44

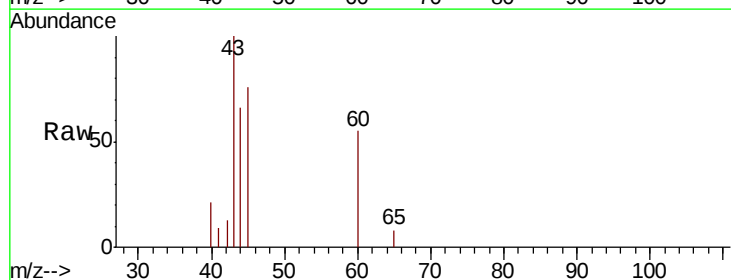
Tgt Ion: 43 Resp: 4372

Ion Ratio Lower Upper

43 100

61 0.0 17.5 26.3#

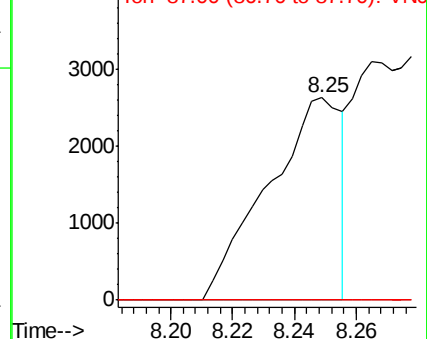
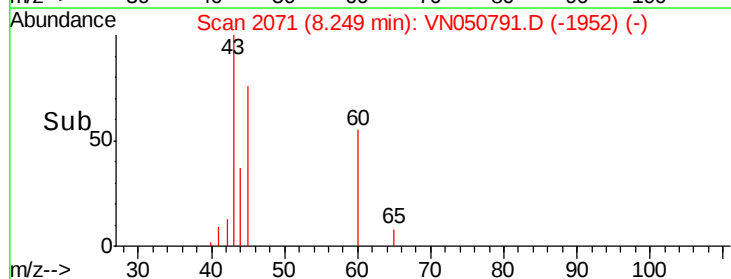
87 0.0 11.3 16.9#

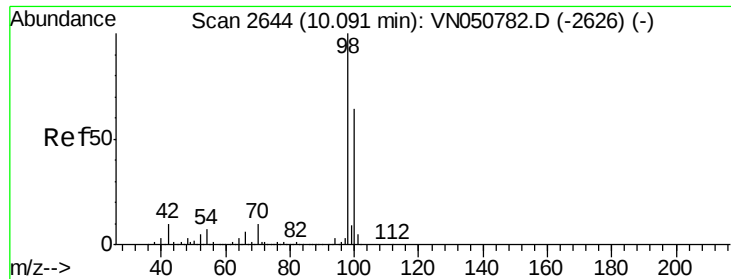


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#50

Toluene-d8

Concen: 48.207 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VN050791.D

Acq: 21 Aug 2018 19:44

Instrument :

MSVOA_N

ClientSampleId :

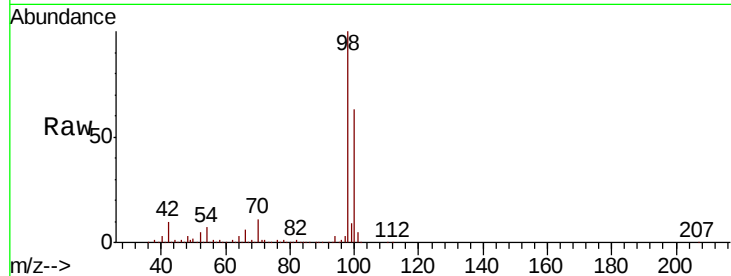
STORAGEBLANK-SOILREF-6

Tot Ion: 98 Resp: 1362843

Ion Ratio Lower Upper

98 100

100 63.0 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VN050782.D (-2626) (-)

Ion 100.00 (99.70 to 100.70): VN050791.D (-2551) (-)

10.09

800000

600000

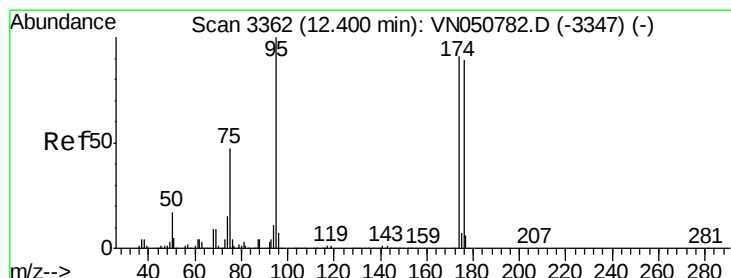
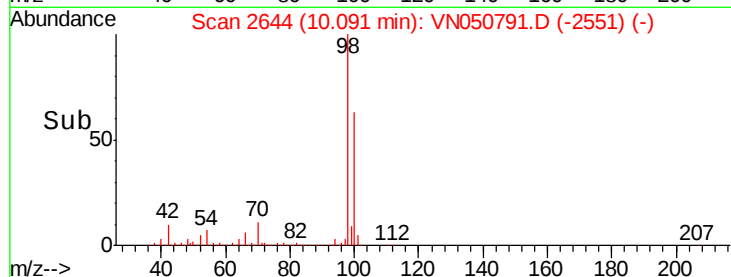
400000

200000

0

10.00 10.10 10.20

Time-->



#62

4-Bromofluorobenzene

Concen: 38.283 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050791.D

Acq: 21 Aug 2018 19:44

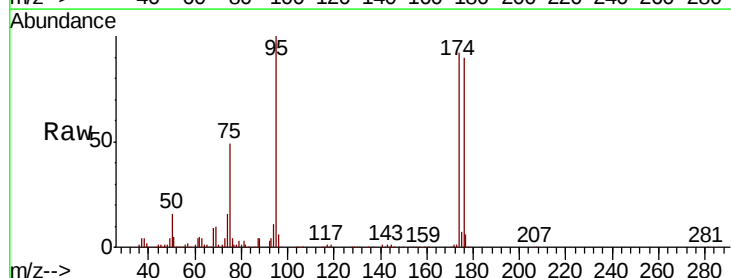
Tgt Ion: 95 Resp: 359646

Ion Ratio Lower Upper

95 100

174 92.1 0.0 183.0

176 89.4 0.0 178.8



Abundance Ion 94.90 (94.60 to 95.60): VN050782.D (-3347) (-)

Ion 173.80 (173.50 to 174.50): VN050791.D (-3269) (-)

Ion 175.80 (175.50 to 176.50): VN050791.D (-3269) (-)

12.40

250000

200000

150000

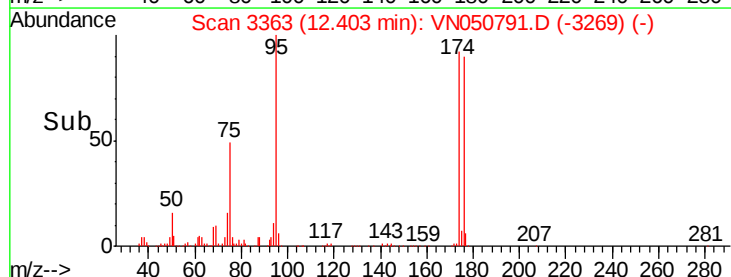
100000

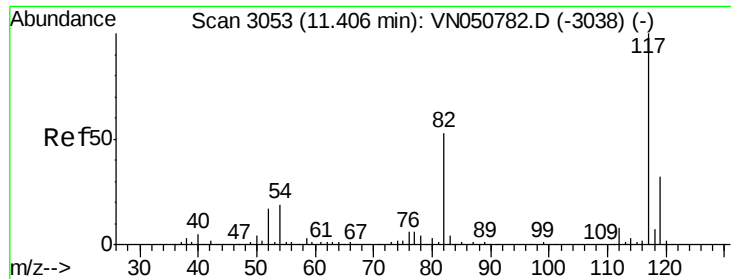
50000

0

12.35 12.40 12.45 12.50

Time-->

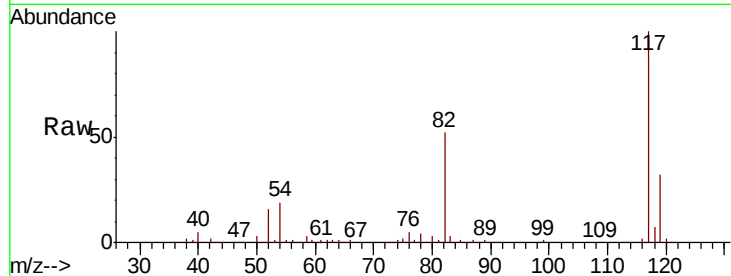




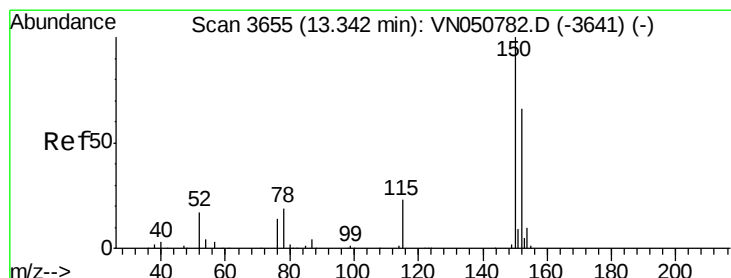
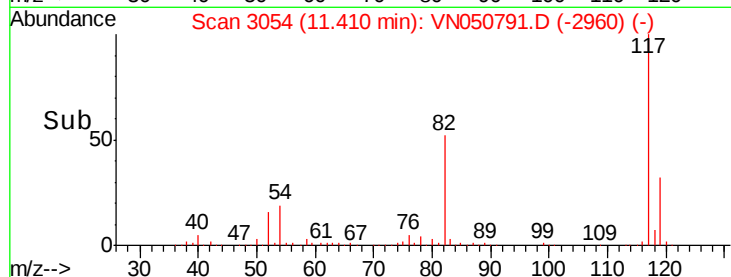
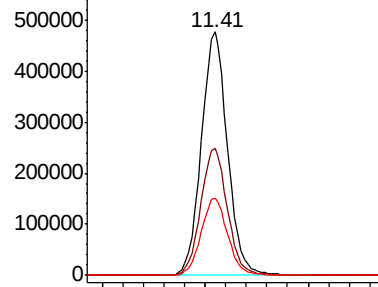
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050791.D
Acq: 21 Aug 2018 19:44

Instrument :
MSVOA_N
ClientSampleId :
STORAGEBLANK-SOILREF-6

Tot Ion:117 Resp: 842092
Ion Ratio Lower Upper
117 100
82 52.0 42.6 64.0
119 31.9 25.8 38.6

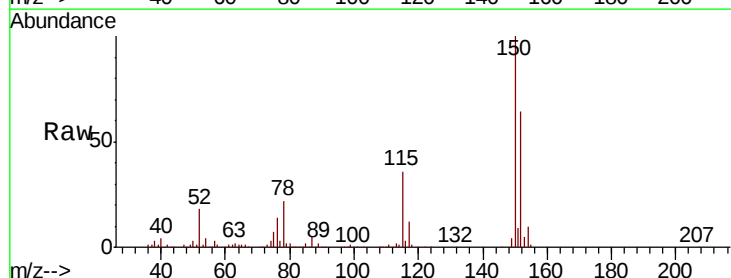


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

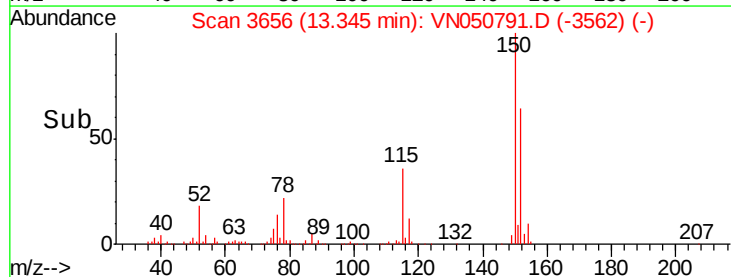
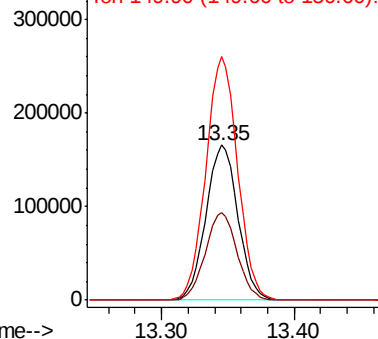


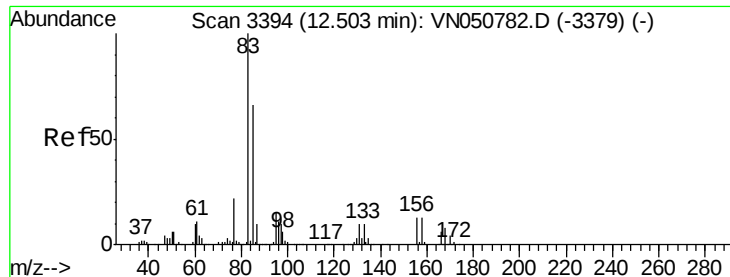
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. 0.00 min
Lab File: VN050791.D
Acq: 21 Aug 2018 19:44

Tgt Ion:152 Resp: 277388
Ion Ratio Lower Upper
152 100
115 56.1 27.8 83.4
150 155.6 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: VN050791.D

Acq: 21 Aug 2018 19:44

Instrument :

MSVOA_N

ClientSampleId :

STORAGEBLANK-SOILREF-6

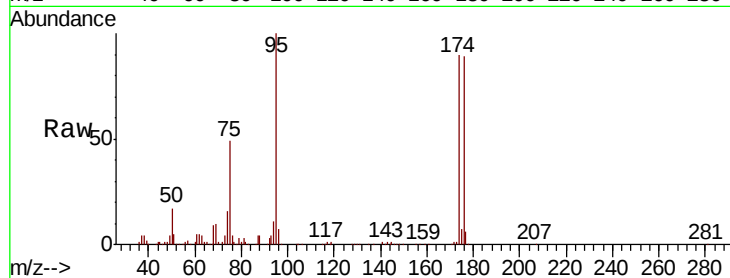
Tot Ion: 83 Resp: 210

Ion Ratio Lower Upper

83 100

131 198.1 5.3 15.9#

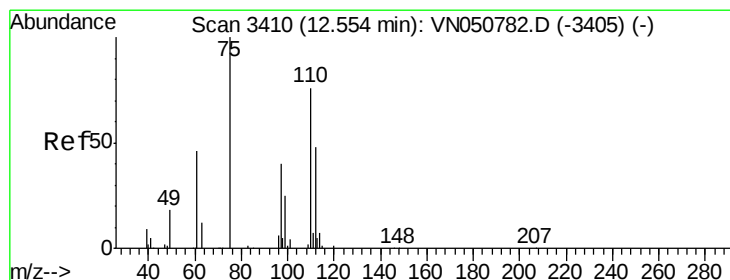
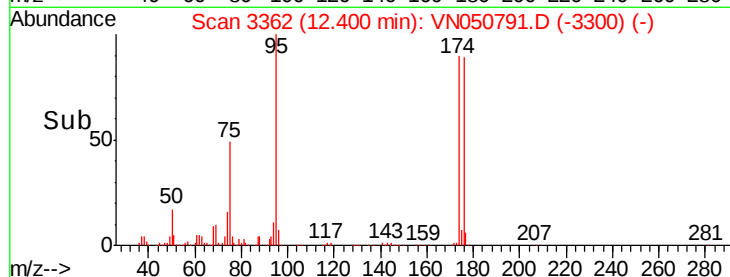
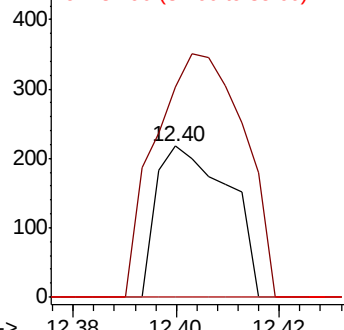
85 0.0 31.9 95.7#



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 35.261 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050791.D

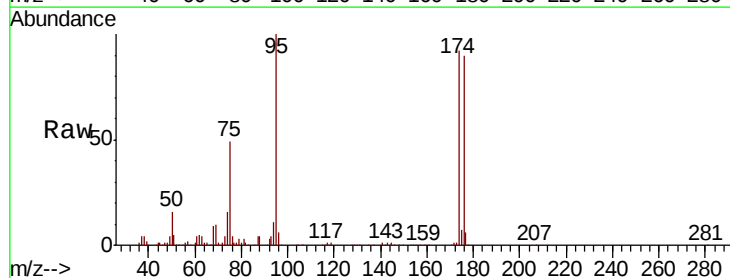
Acq: 21 Aug 2018 19:44

Tgt Ion: 75 Resp: 171314

Ion Ratio Lower Upper

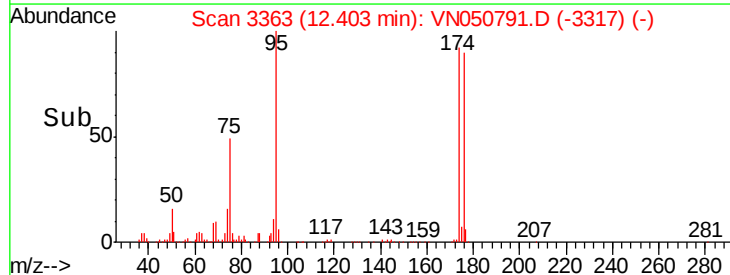
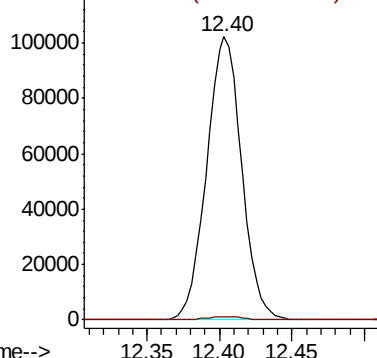
75 100

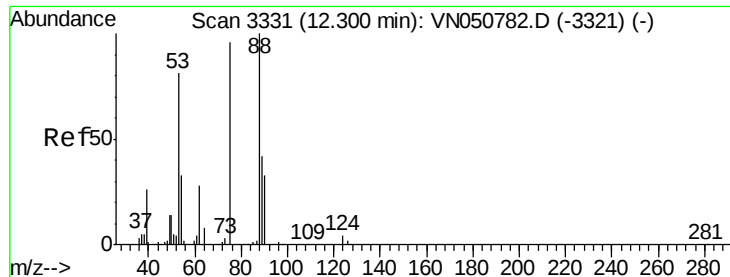
77 1.3 0.0 0.0#



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: 119.202 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050791.D

Acq: 21 Aug 2018 19:44

Instrument :

MSVOA_N

ClientSampleId :

STORAGEBLANK-SOILREF-6

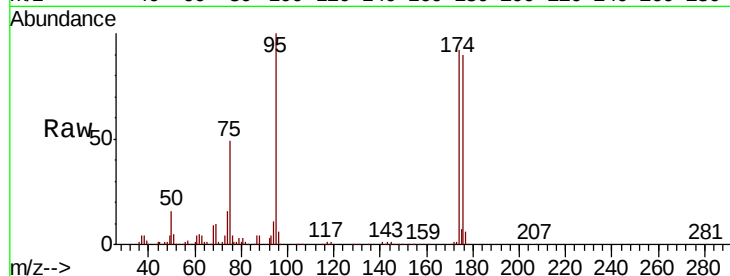
Tot Ion: 75 Resp: 171314

Ion Ratio Lower Upper

75 100

53 0.1 68.9 103.3#

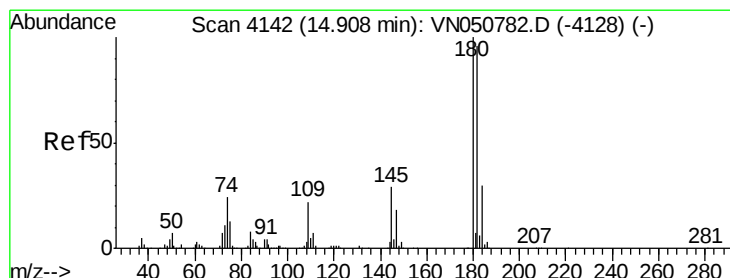
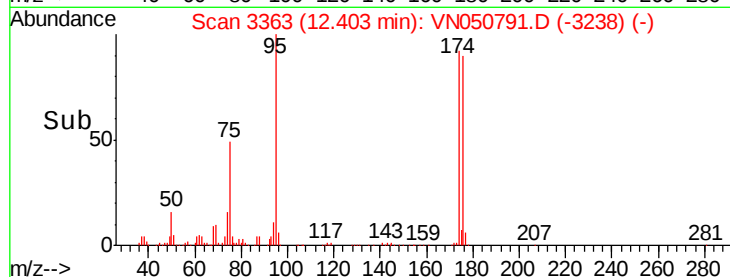
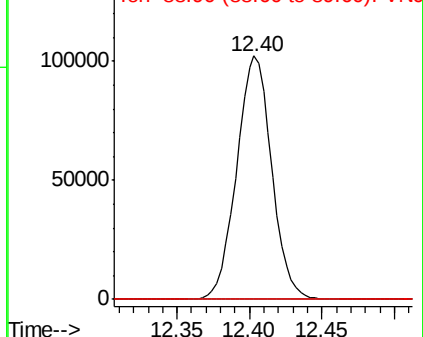
89 0.0 36.1 54.1#



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



#93

1,2,4-Trichlorobenzene

Concen: 4.111 ug/l

RT: 14.90 min Scan# 4140

Delta R.T. -0.01 min

Lab File: VN050791.D

Acq: 21 Aug 2018 19:44

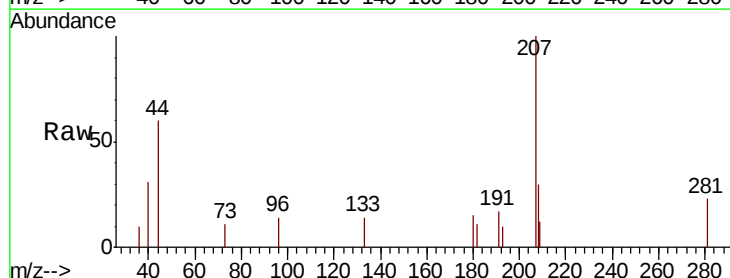
Tgt Ion:180 Resp: 163

Ion Ratio Lower Upper

180 100

182 0.0 48.2 144.6#

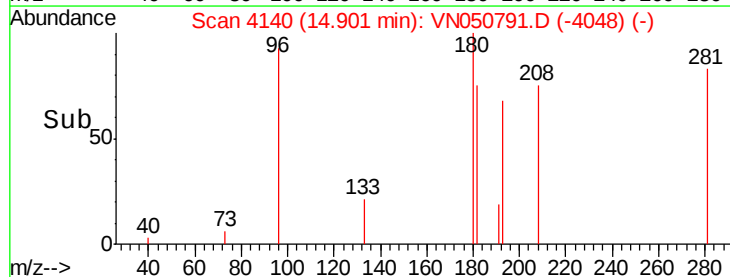
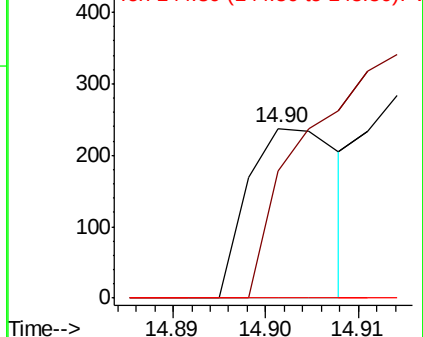
145 0.0 14.1 42.2#

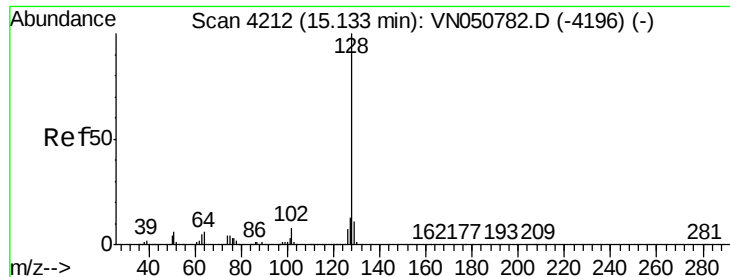


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

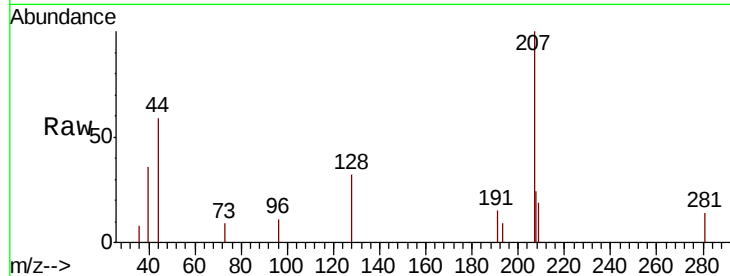




#95
Naphthalene
Concen: 5.464 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN050791.D
Acq: 21 Aug 2018 19:44

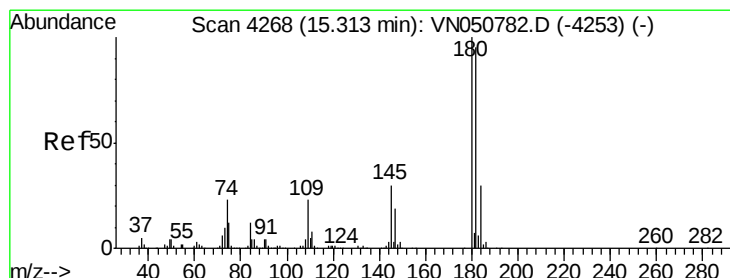
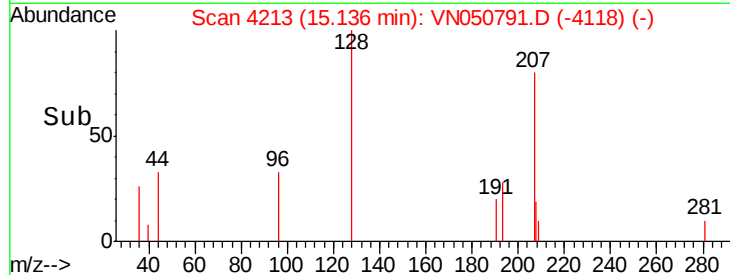
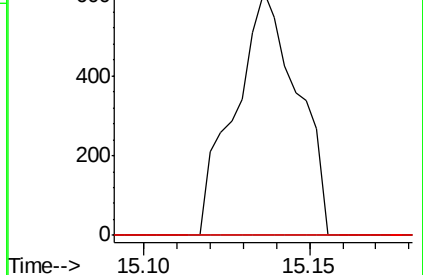
Instrument :
MSVOA_N
ClientSampleId :
STORAGEBLANK-SOILREF-6

Tot Ion:128 Resp: 800
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.7 13.1#



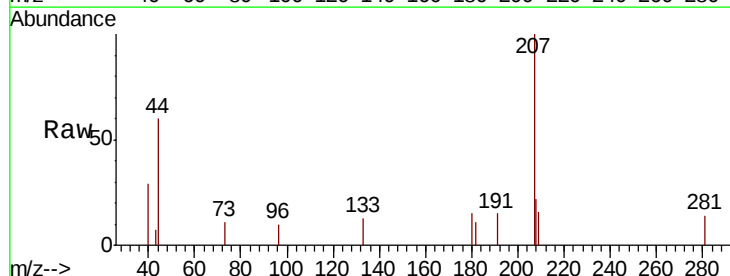
Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

15.14



#96
1,2,3-Trichlorobenzene
Concen: 3.358 ug/l
RT: 15.32 min Scan# 4270
Delta R.T. 0.01 min
Lab File: VN050791.D
Acq: 21 Aug 2018 19:44

Tgt Ion:180 Resp: 331
Ion Ratio Lower Upper
180 100
182 127.5 48.0 144.2
145 0.0 15.2 45.6#



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

15.32

