

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091018\
 Data File : VN051076.D
 Acq On : 10 Sep 2018 14:31
 Operator : MD\SY
 Sample : J4832-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE BLANK-SOILREF-5

Quant Time: Sep 11 03:18:23 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 11 02:27:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	685380	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1033189	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	887589	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	288208	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	398296	52.22	ug/l	0.00
Spiked Amount			Recovery	=	104.44%	
35) Dibromofluoromethane	7.59	113	396504	51.07	ug/l	0.00
Spiked Amount			Recovery	=	102.14%	
50) Toluene-d8	10.09	98	1439022	48.85	ug/l	0.00
Spiked Amount			Recovery	=	97.70%	
62) 4-Bromofluorobenzene	12.40	95	383555	39.36	ug/l	0.00
Spiked Amount			Recovery	=	78.72%	

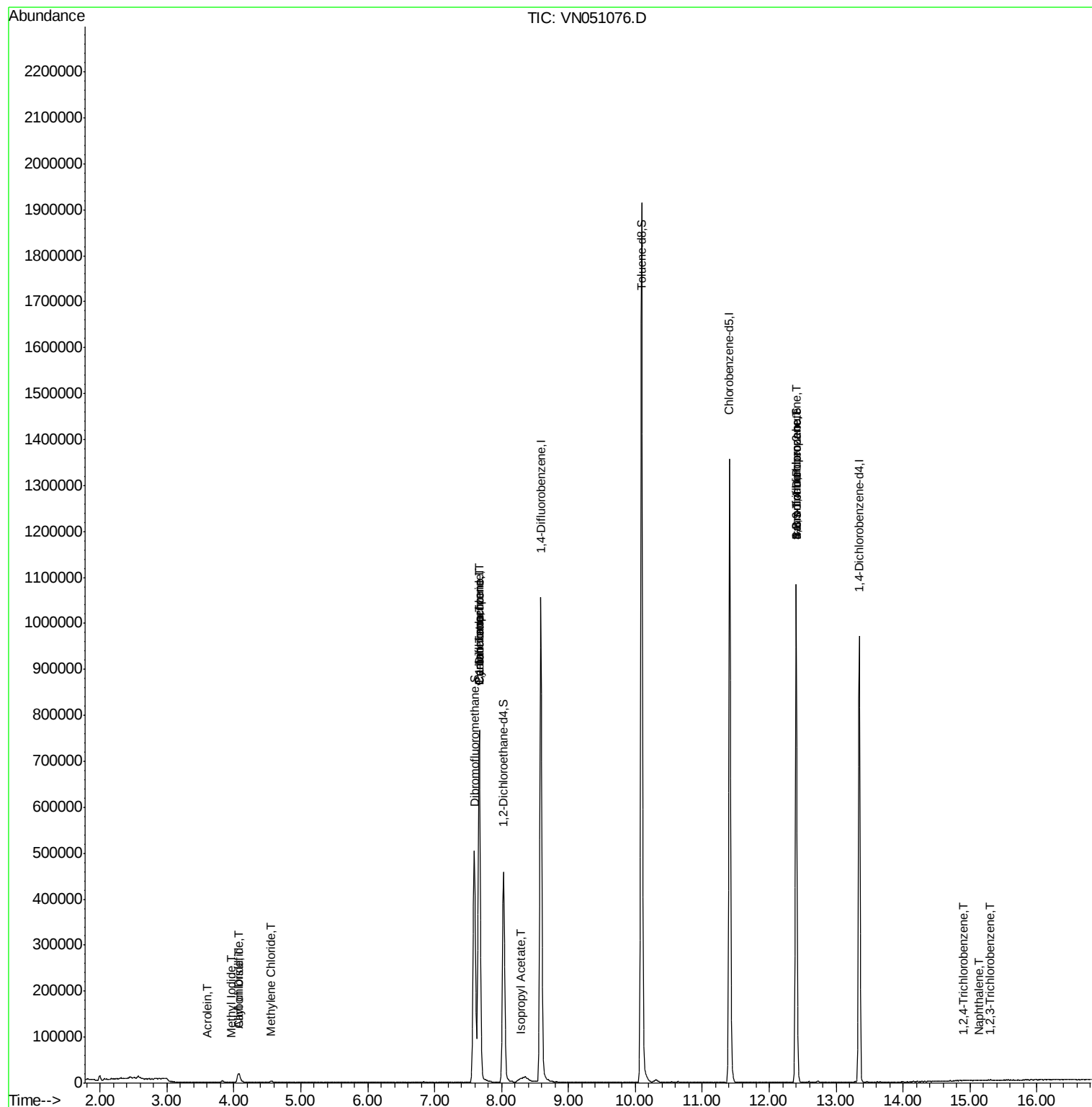
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	2751	Below Cal	#	88
5) Bromomethane	2.57	94	2994	Below Cal		89
10) Methyl Iodide	3.95	142	880	5.74	ug/l #	65
13) Acrolein	3.60	56	29	24.32	ug/l #	13
14) Allyl chloride	4.08	41	3396	0.30	ug/l #	41
16) Acetone	3.82	43	6962	Below Cal	#	85
17) Carbon Disulfide	4.06	76	4370	0.32	ug/l	99
20) Methylene Chloride	4.56	84	2089	0.25	ug/l #	80
31) Cyclohexane	7.67	56	11028	0.66	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	43862	3.87	ug/l #	48
38) Carbon Tetrachloride	7.67	117	58525	5.24	ug/l #	17
43) Isopropyl Acetate	8.27	43	5545	0.48	ug/l #	50
71) Bromoform	12.40	173	1669	0.29	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.40	83	30	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.40	75	177880	39.50	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	177880	117.22	ug/l #	15
93) 1,2,4-Trichlorobenzene	14.91	180	461	4.06	ug/l #	79
94) Hexachlorobutadiene	15.01	225	97	Below Cal	#	40
95) Naphthalene	15.13	128	1064	5.43	ug/l #	73
96) 1,2,3-Trichlorobenzene	15.31	180	308	3.01	ug/l #	68

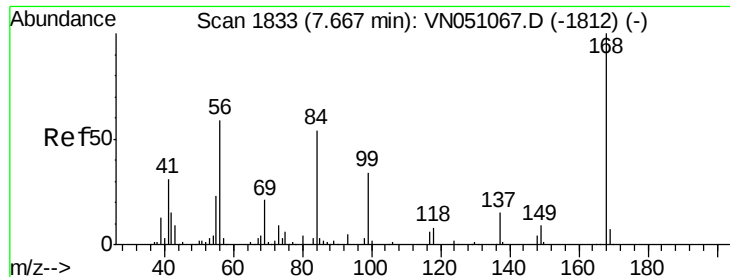
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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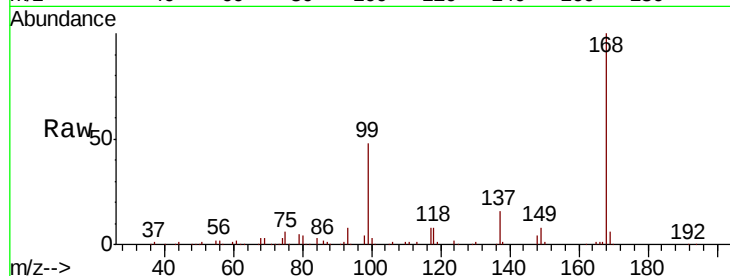


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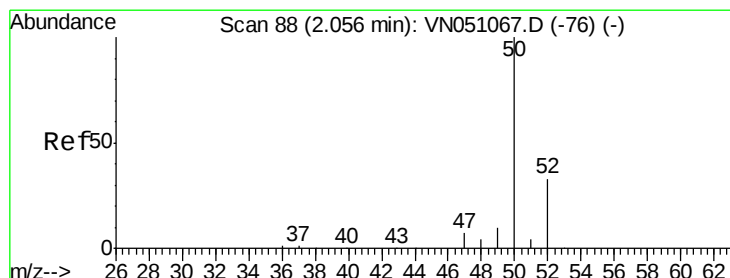
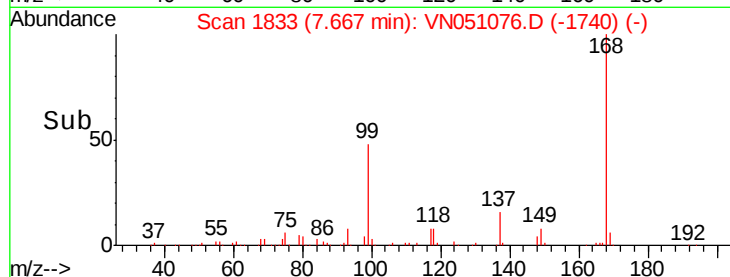
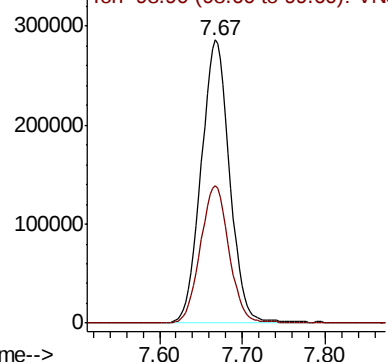
Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.00 min
 Lab File: VN051076.D
 Acq: 10 Sep 2018 14:31

Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGEBLANK-SOILREF-5

Tot Ion:168 Resp: 685380
 Ion Ratio Lower Upper
 168 100
 99 48.5 38.3 57.5



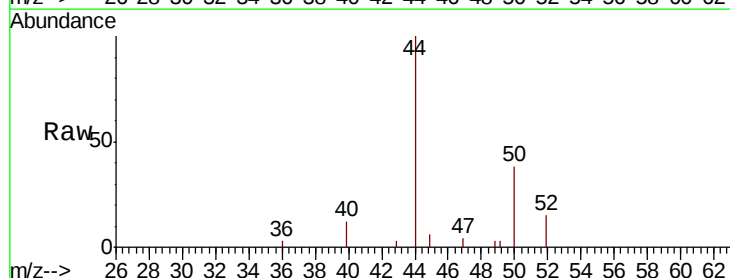
Abundance Ion 167.90 (167.60 to 168.60): V
 Ion 98.90 (98.60 to 99.60): VN0



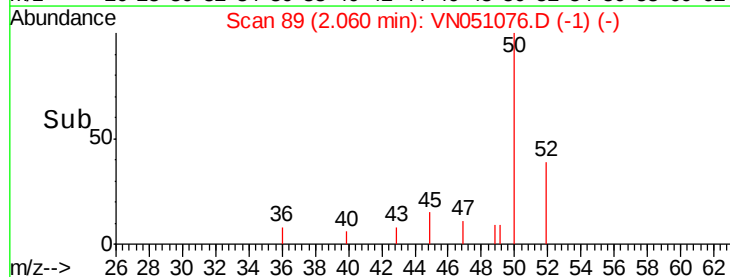
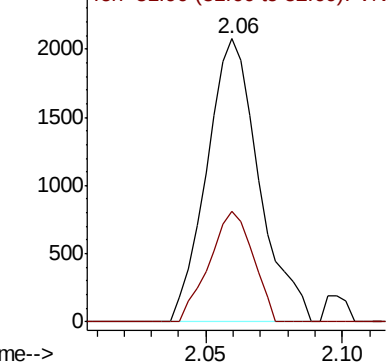
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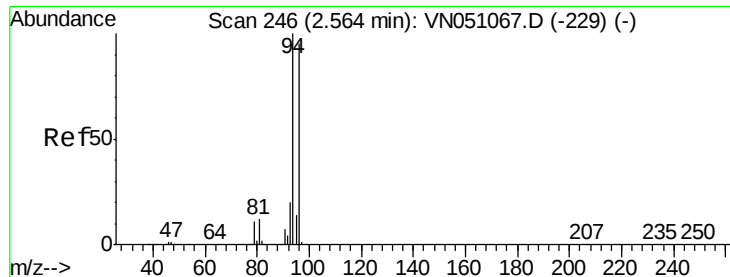
Chloromethane
 Concen: Below Cal
 RT: 2.06 min Scan# 89
 Delta R.T. 0.00 min
 Lab File: VN051076.D
 Acq: 10 Sep 2018 14:31

Tgt Ion: 50 Resp: 2751
 Ion Ratio Lower Upper
 50 100
 52 39.1 26.0 39.0#



Abundance Ion 49.90 (49.60 to 50.60): VN0
 Ion 51.90 (51.60 to 52.60): VN0





#5

Bromomethane

Concen: Below Cal

RT: 2.57 min Scan# 247

Delta R.T. 0.00 min

Lab File: VN051076.D

Acq: 10 Sep 2018 14:31

Instrument :

MSVOA_N

ClientSampleId :

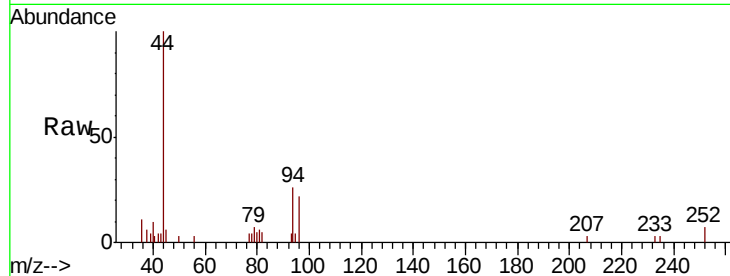
STORAGEBLANK-SOILREF-5

Tot Ion: 94 Resp: 2994

Ion Ratio Lower Upper

94 100

96 84.3 75.9 113.9



Abundance Ion 93.90 (93.60 to 94.60): VN051076.D (-229) (-)

Ion 95.90 (95.60 to 96.60): VN051076.D (-229) (-)

2.57

1500

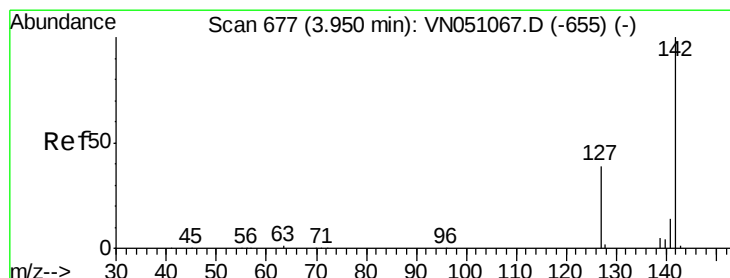
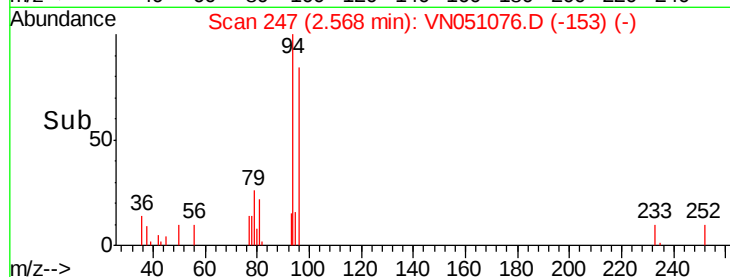
1000

500

0

2.50 2.55 2.60

Time-->



#10

Methyl Iodide

Concen: 5.74 ug/l

RT: 3.95 min Scan# 678

Delta R.T. 0.00 min

Lab File: VN051076.D

Acq: 10 Sep 2018 14:31

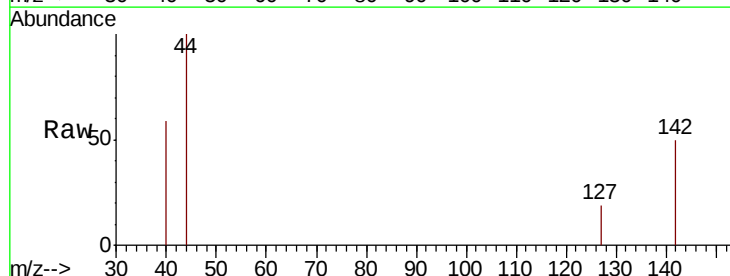
Tgt Ion: 142 Resp: 880

Ion Ratio Lower Upper

142 100

127 17.2 31.0 46.4#

141 0.0 11.3 16.9#



Abundance Ion 141.80 (141.50 to 142.50): VN051076.D (-655) (-)

Ion 126.80 (126.50 to 127.50): VN051076.D (-655) (-)

Ion 140.80 (140.50 to 141.50): VN051076.D (-655) (-)

3.95

600

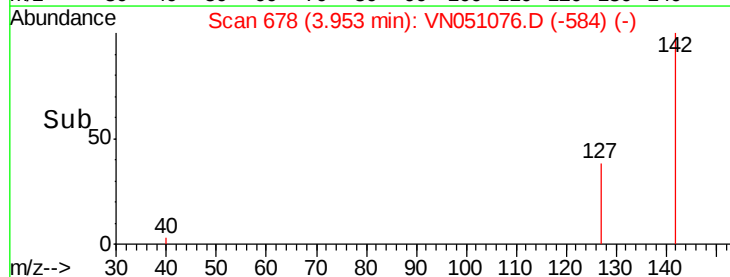
400

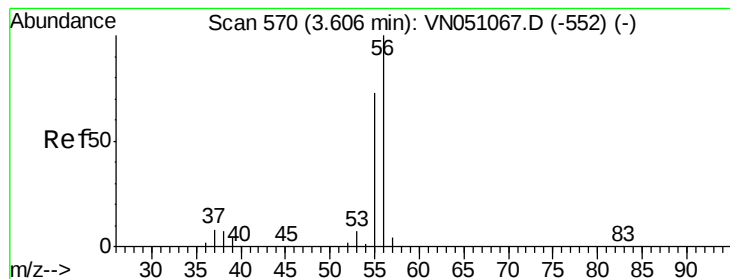
200

0

3.92 3.94 3.96 3.98

Time-->





#13

Acrolein

Concen: 24.32 ug/l

RT: 3.60 min Scan# 569

Delta R.T. -0.00 min

Lab File: VN051076.D

Acq: 10 Sep 2018 14:31

Instrument :

MSVOA_N

ClientSampleId :

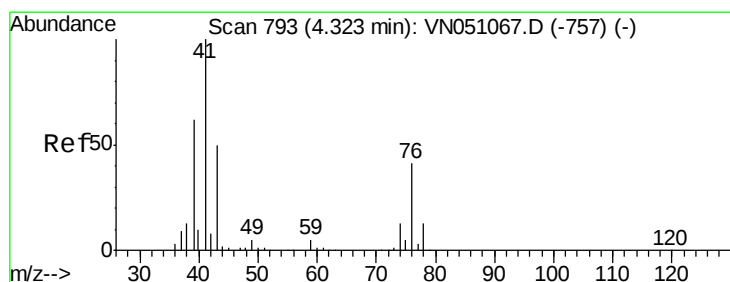
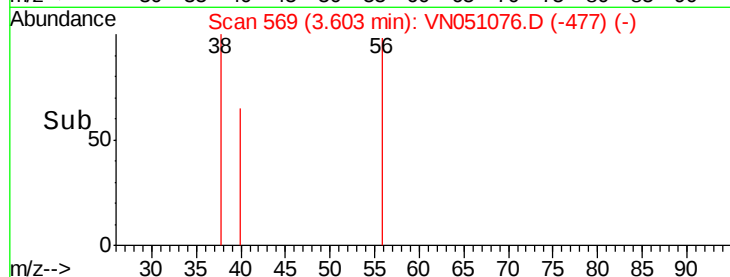
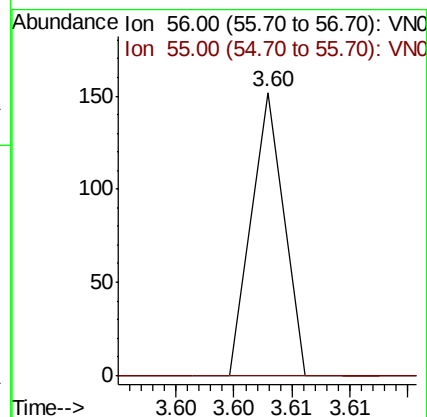
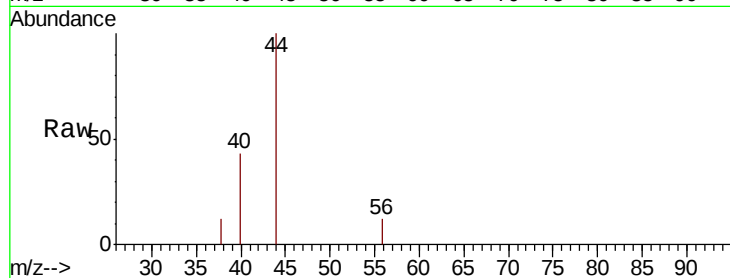
STORAGEBLANK-SOILREF-5

Tot Ion: 56 Resp: 29

Ion Ratio Lower Upper

56 100

55 0.0 58.0 87.0#



#14

Allyl chloride

Concen: 0.30 ug/l

RT: 4.08 min Scan# 716

Delta R.T. -0.25 min

Lab File: VN051076.D

Acq: 10 Sep 2018 14:31

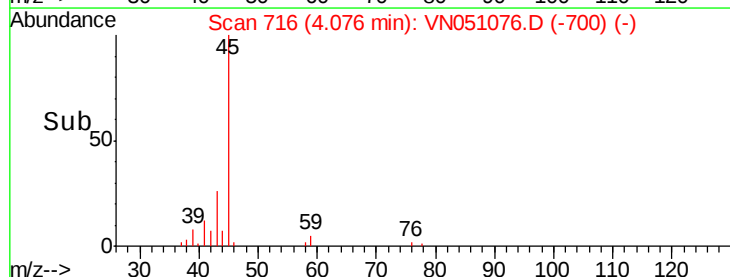
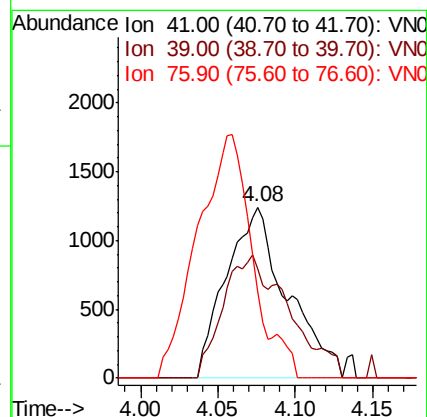
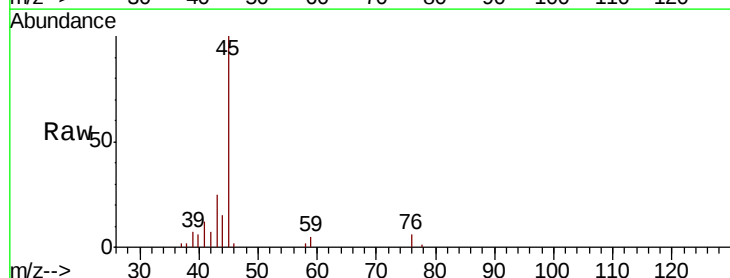
Tgt Ion: 41 Resp: 3396

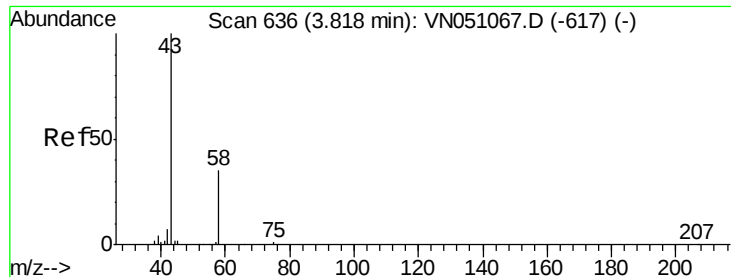
Ion Ratio Lower Upper

41 100

39 48.2 48.8 73.2#

76 114.8 30.6 45.8#





#16

Acetone

Concen: Below Cal

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN051076.D

Acq: 10 Sep 2018 14:31

Instrument :

MSVOA_N

ClientSampleId :

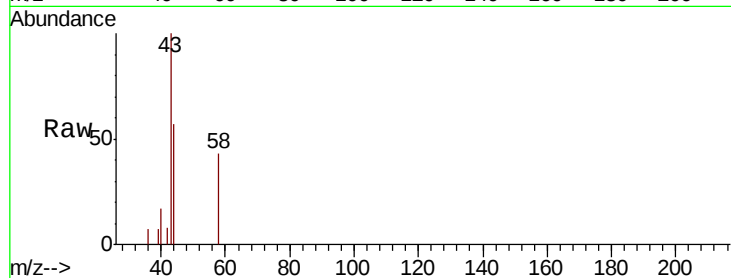
STORAGEBLANK-SOILREF-5

Tot Ion: 43 Resp: 6962

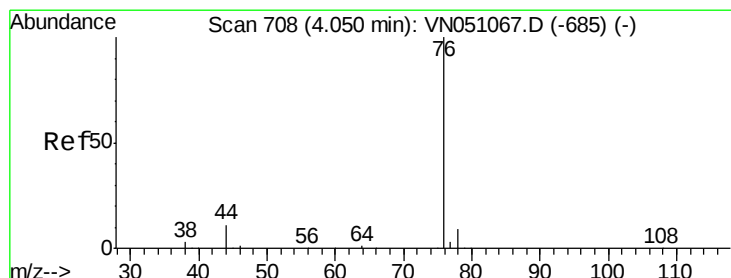
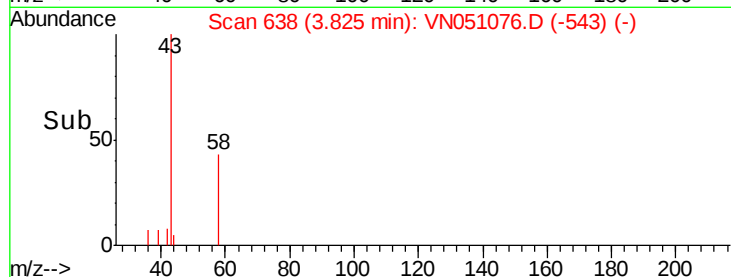
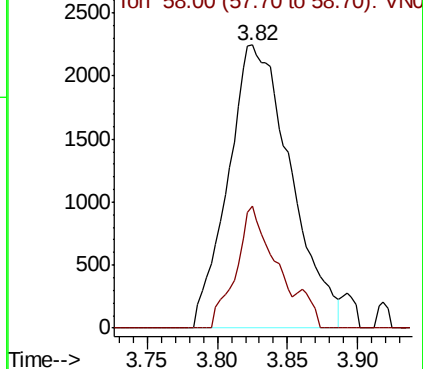
Ion Ratio Lower Upper

43 100

58 43.3 27.8 41.6#



Abundance Ion 43.00 (42.70 to 43.70): VN051067.D (-617) (-)



#17

Carbon Disulfide

Concen: 0.32 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.01 min

Lab File: VN051076.D

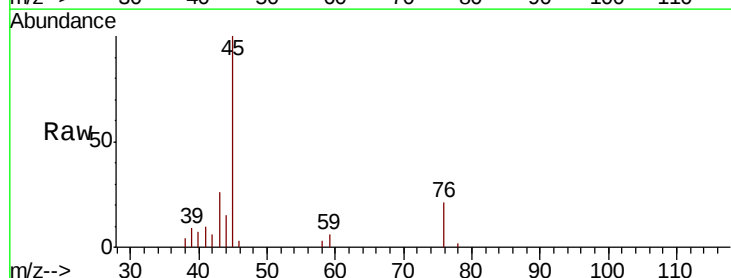
Acq: 10 Sep 2018 14:31

Tgt Ion: 76 Resp: 4370

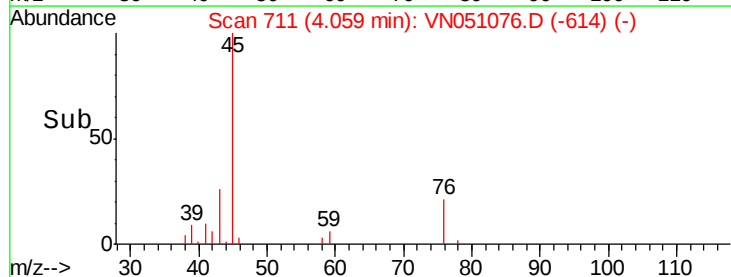
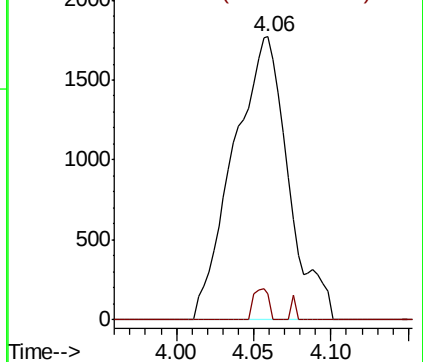
Ion Ratio Lower Upper

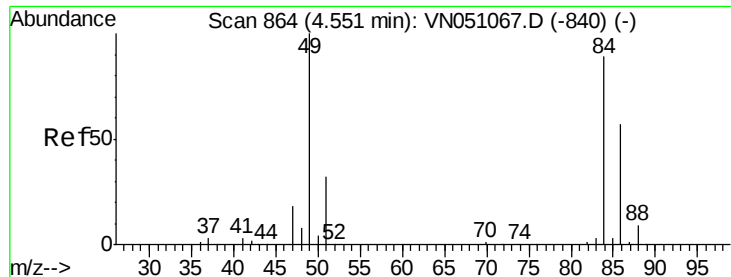
76 100

78 9.1 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VN051067.D (-685) (-)

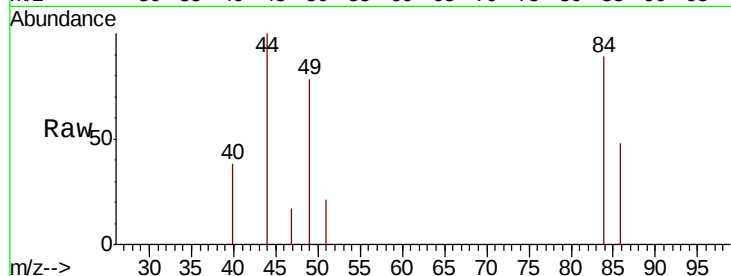




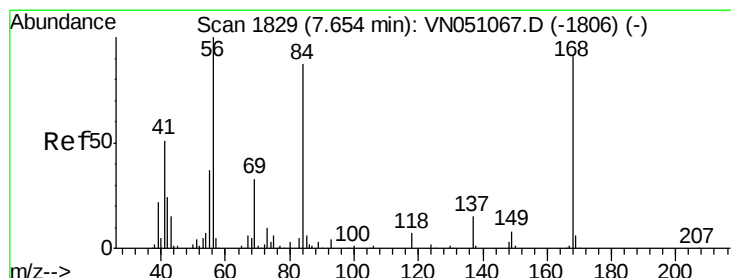
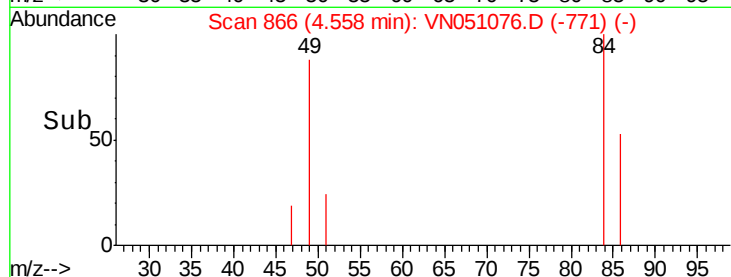
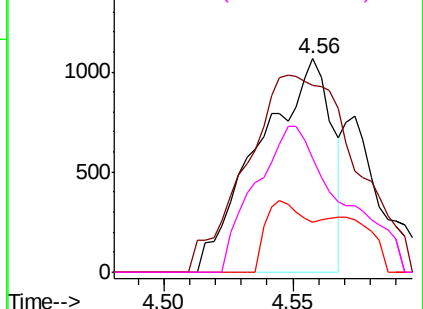
#20
Methvlene Chloride
Concen: 0.25 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.01 min
Lab File: VN051076.D
Acq: 10 Sep 2018 14:31

Instrument :
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ClientSampleId :
STORAGEBLANK-SOILREF-5

Tot Ion: 84 Resp: 2089
Ion Ratio Lower Upper
84 100
49 87.7 90.2 135.2#
51 23.5 28.4 42.6#
86 53.2 51.8 77.8

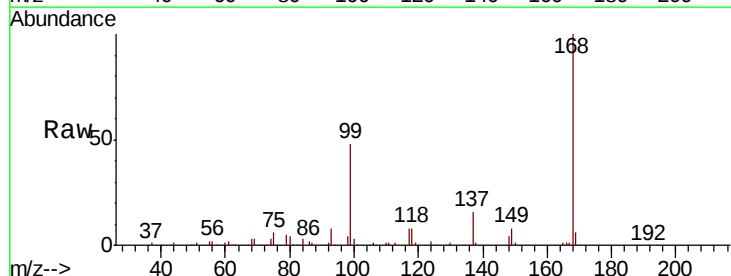


Abundance Ion 83.90 (83.60 to 84.60): VNC
Ion 48.90 (48.60 to 49.60): VNC
Ion 50.90 (50.60 to 51.60): VNC
Ion 85.90 (85.60 to 86.60): VNC

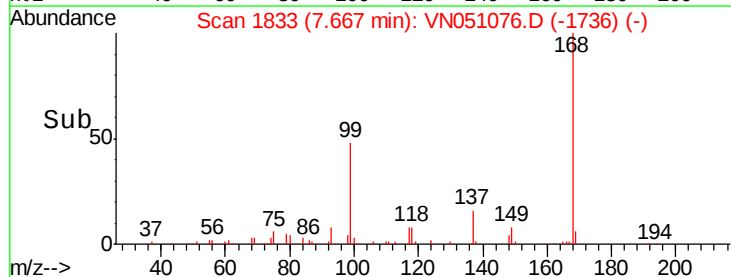
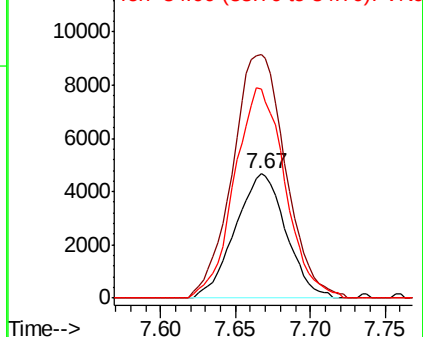


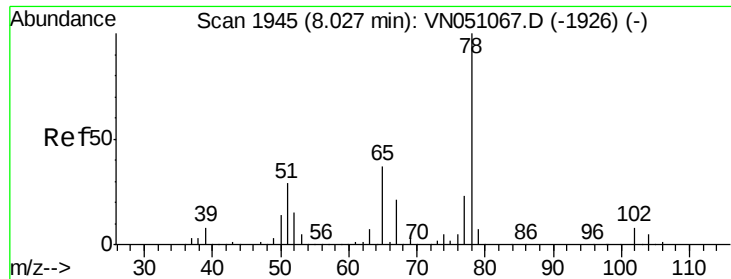
#31
Cyclohexane
Concen: 0.66 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. 0.01 min
Lab File: VN051076.D
Acq: 10 Sep 2018 14:31

Tgt Ion: 56 Resp: 11028
Ion Ratio Lower Upper
56 100
69 195.8 26.3 39.5#
84 168.6 69.4 104.0#



Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

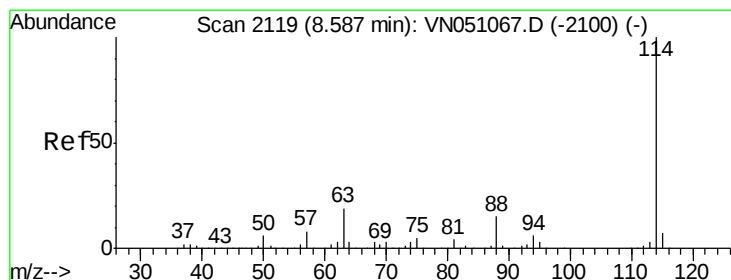
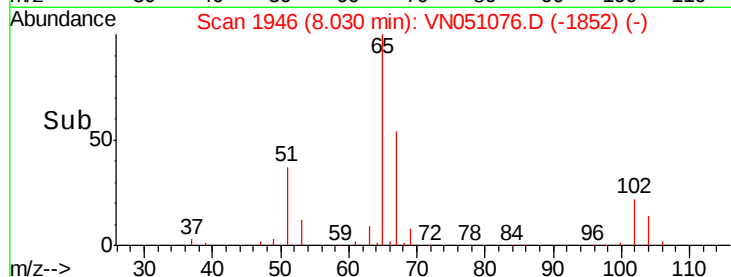
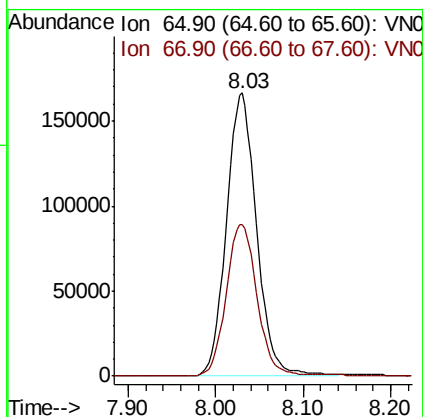
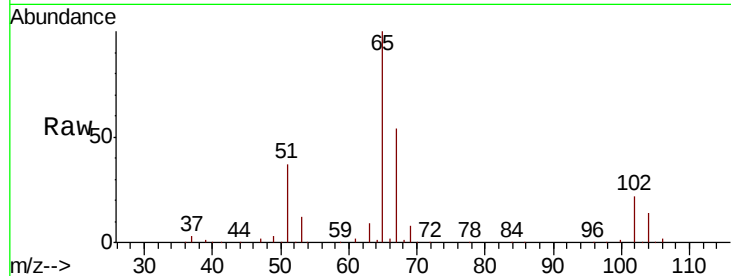




#33
 1,2-Dichloroethane-d4
 Concen: 52.22 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN051076.D
 Acq: 10 Sep 2018 14:31

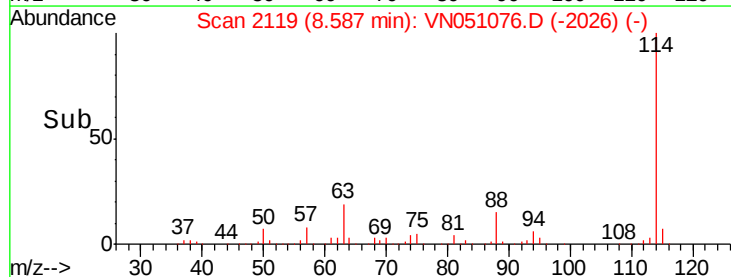
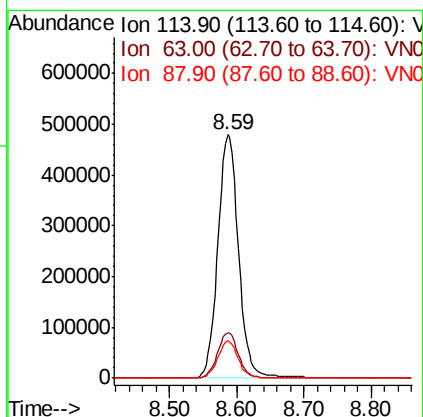
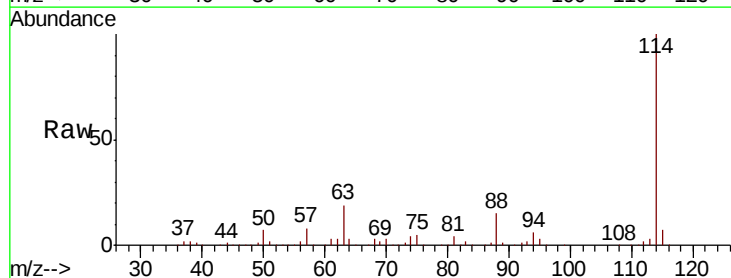
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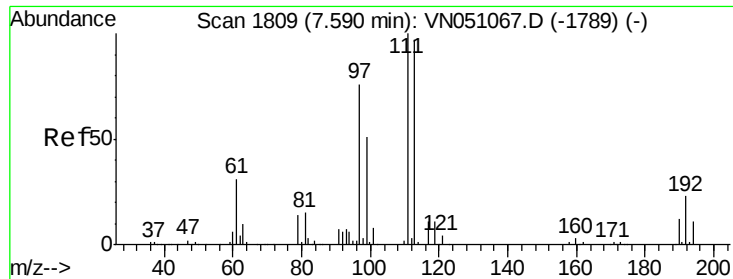
Tot Ion: 65 Resp: 398296
 Ion Ratio Lower Upper
 65 100
 67 54.8 0.0 112.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051076.D
 Acq: 10 Sep 2018 14:31

Tgt Ion: 114 Resp: 1033189
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 37.8
 88 15.3 0.0 30.8

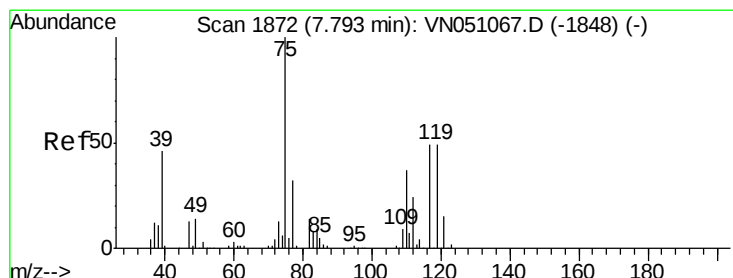
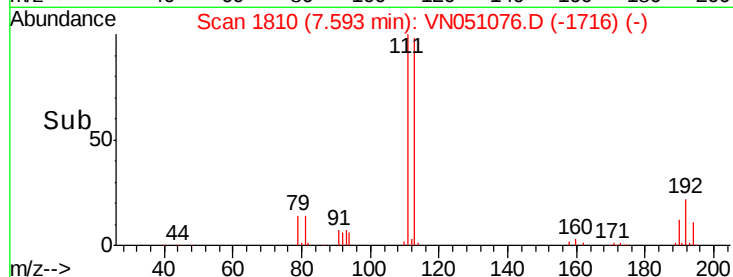
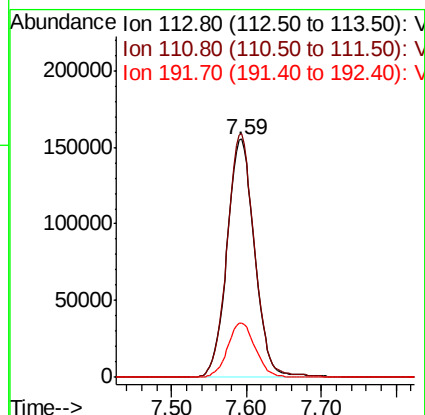
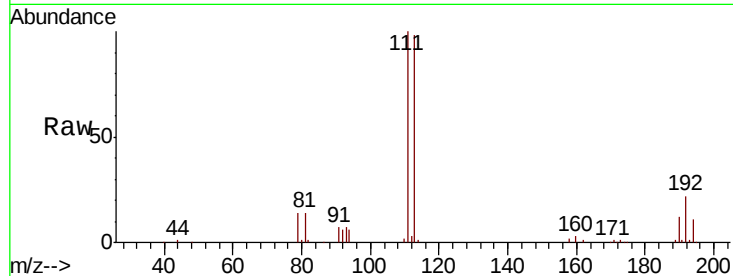




#35
 Dibromofluoromethane
 Concen: 51.07 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN051076.D
 Acq: 10 Sep 2018 14:31

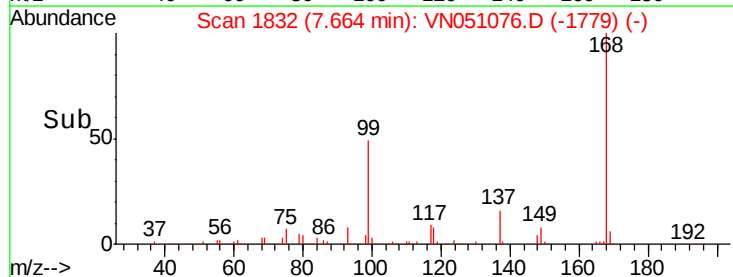
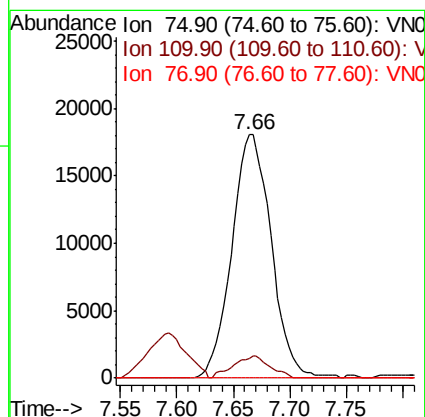
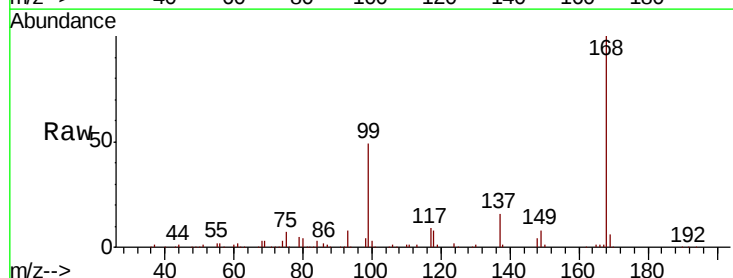
Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGEBLANK-SOILREF-5

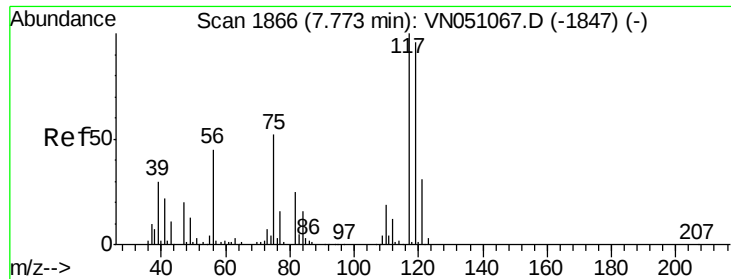
Tot Ion:113 Resp: 396504
 Ion Ratio Lower Upper
 113 100
 111 101.3 83.0 124.6
 192 23.0 18.7 28.1



#36
 1,1-Dichloropropene
 Concen: 3.87 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN051076.D
 Acq: 10 Sep 2018 14:31

Tgt Ion: 75 Resp: 43862
 Ion Ratio Lower Upper
 75 100
 110 8.4 18.6 55.8#
 77 0.0 25.2 37.8#

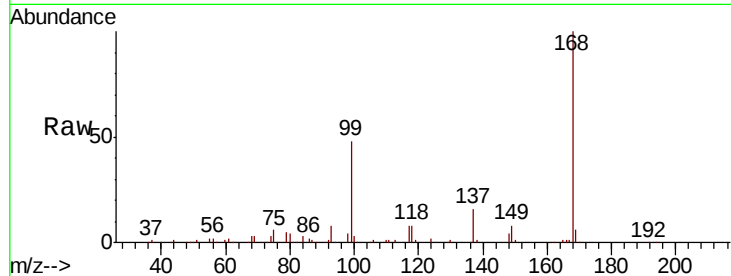




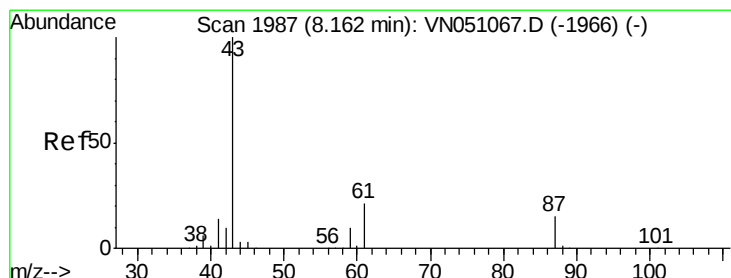
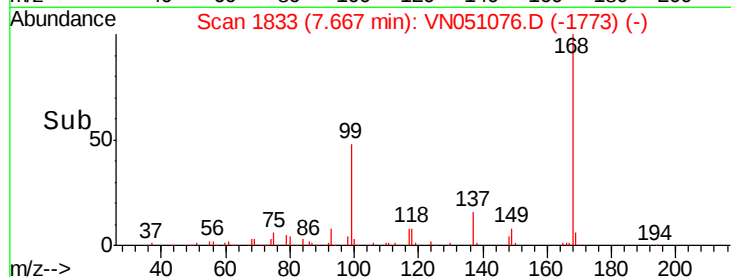
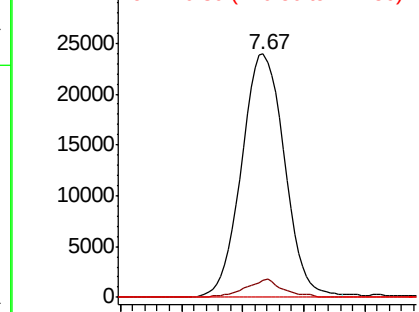
#38
Carbon Tetrachloride
Concen: 5.24 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. -0.11 min
Lab File: VN051076.D
Acq: 10 Sep 2018 14:31

Instrument :
MSVOA_N
ClientSampleId :
STORAGEBLANK-SOILREF-5

Tot Ion:117 Resp: 58525
Ion Ratio Lower Upper
117 100
119 7.1 76.8 115.2#
121 0.0 24.6 36.8#

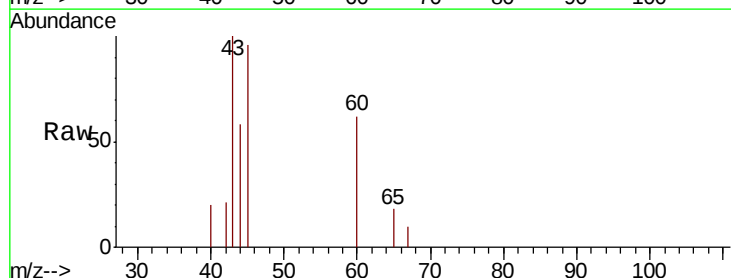


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

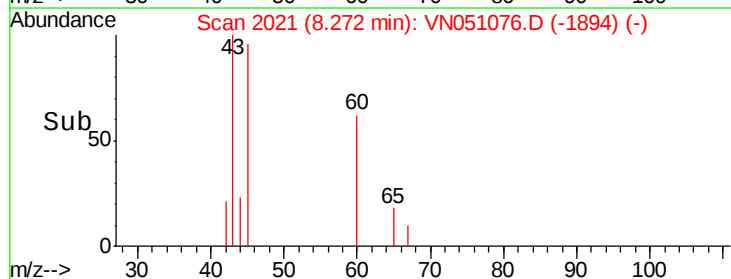
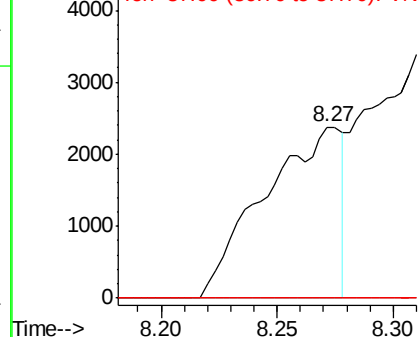


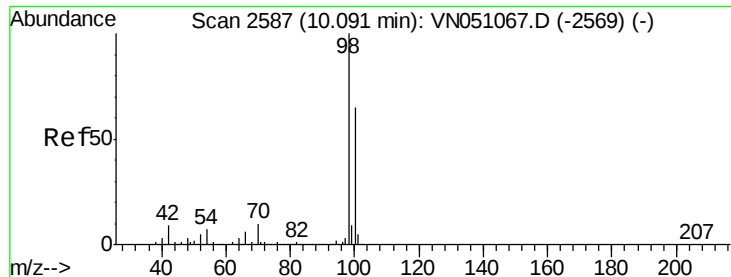
#43
Isopropyl Acetate
Concen: 0.48 ug/l
RT: 8.27 min Scan# 2021
Delta R.T. 0.11 min
Lab File: VN051076.D
Acq: 10 Sep 2018 14:31

Tgt Ion: 43 Resp: 5545
Ion Ratio Lower Upper
43 100
61 0.0 25.0 37.6#
87 0.0 11.8 17.8#



Abundance Ion 43.00 (42.70 to 43.70): V
Ion 61.00 (60.70 to 61.70): V
Ion 87.00 (86.70 to 87.70): V





#50

Toluene-d8

Concen: 48.85 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN051076.D

Acq: 10 Sep 2018 14:31

Instrument :

MSVOA_N

ClientSampleId :

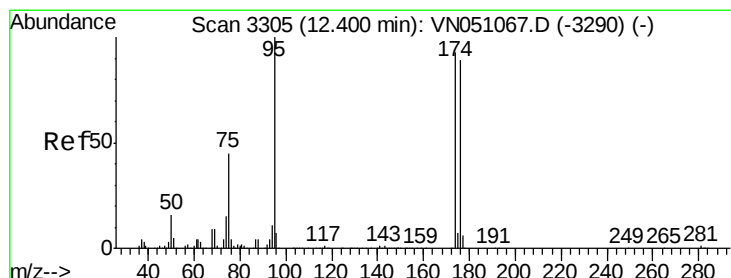
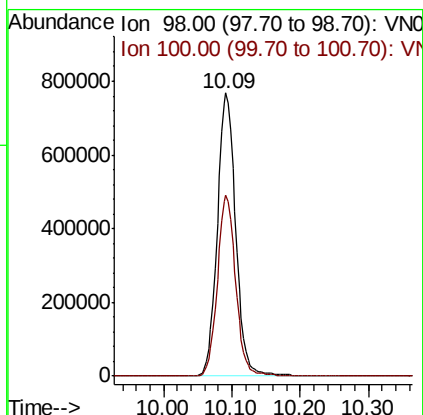
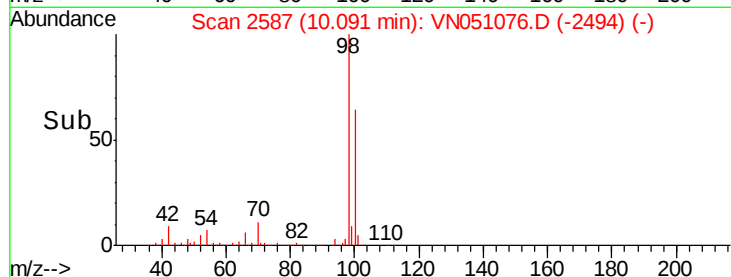
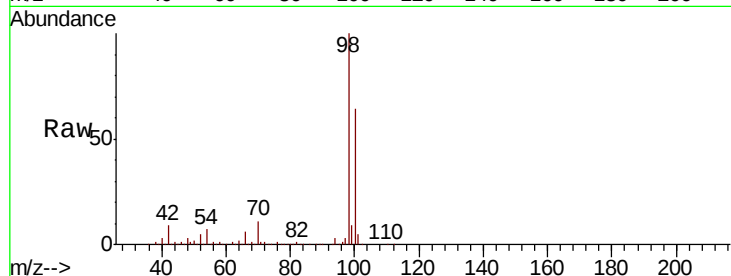
STORAGEBLANK-SOILREF-5

Tot Ion: 98 Resp: 1439022

Ion Ratio Lower Upper

98 100

100 63.4 52.0 78.0



#62

4-Bromofluorobenzene

Concen: 39.36 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN051076.D

Acq: 10 Sep 2018 14:31

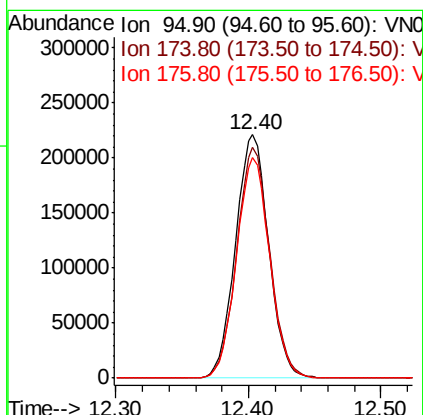
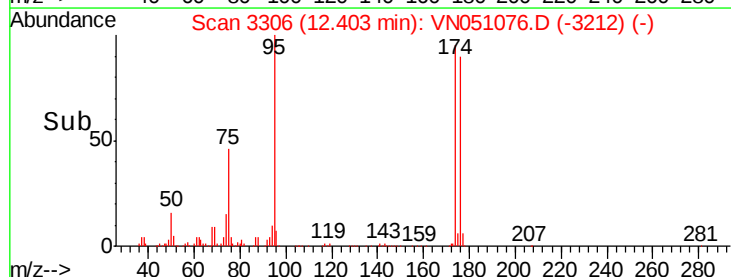
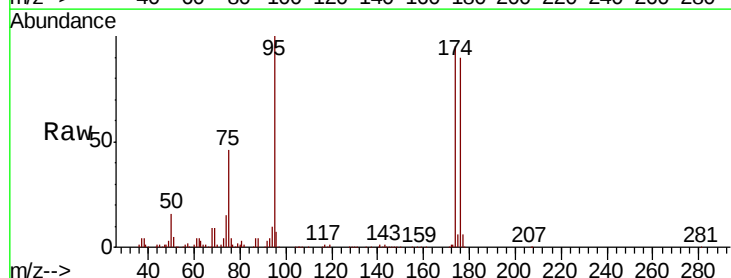
Tgt Ion: 95 Resp: 383555

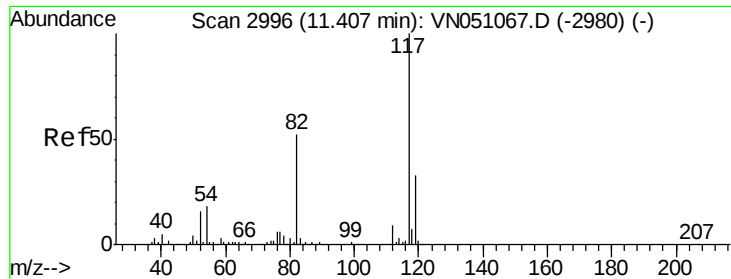
Ion Ratio Lower Upper

95 100

174 94.4 0.0 184.8

176 90.7 0.0 178.6

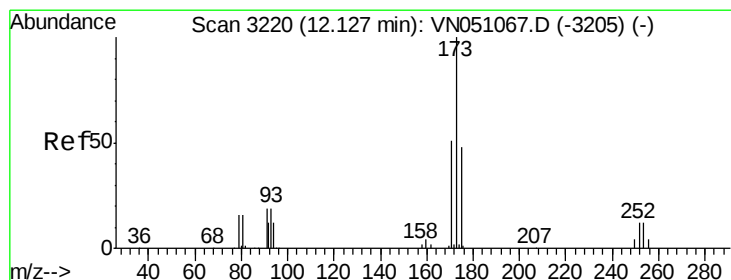
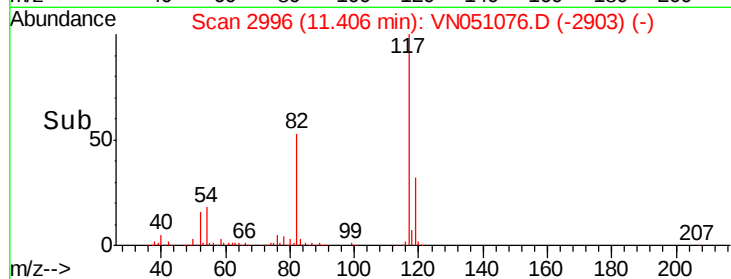
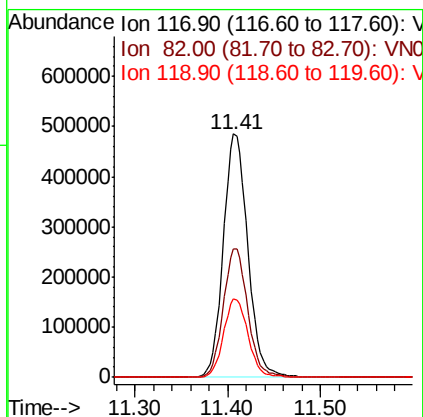
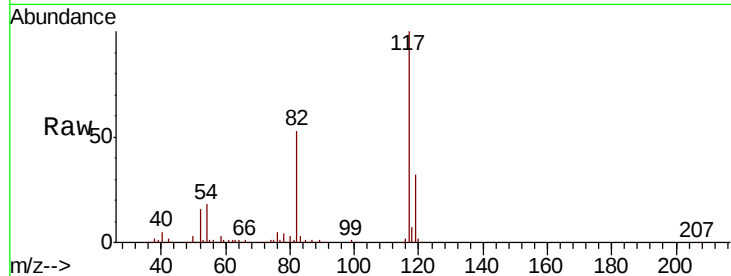




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051076.D
Acq: 10 Sep 2018 14:31

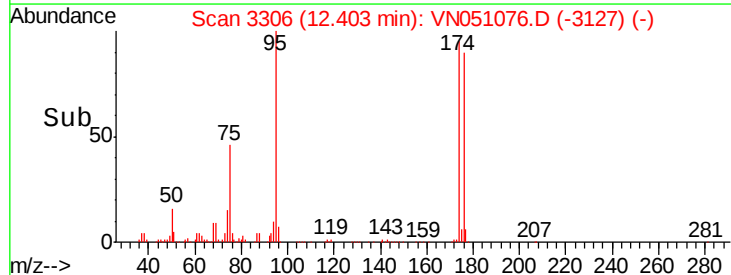
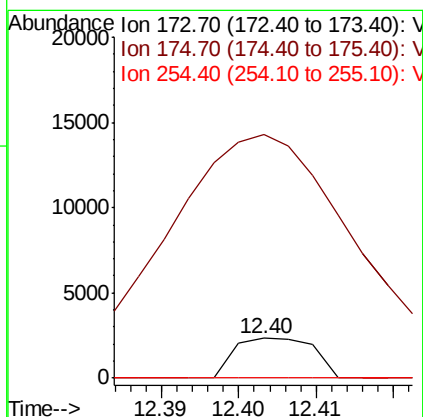
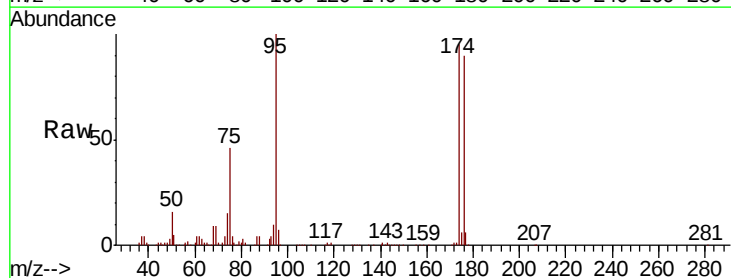
Instrument :
MSVOA_N
ClientSampleId :
STORAGEBLANK-SOILREF-5

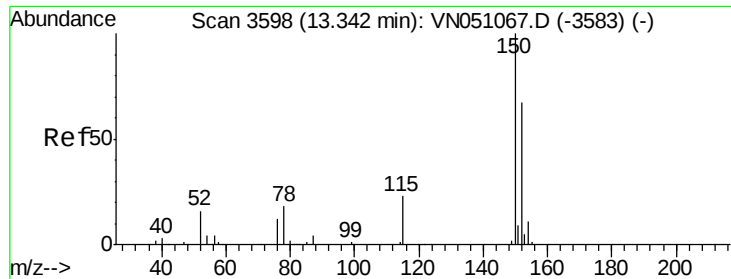
Tot Ion:117 Resp: 887589
Ion Ratio Lower Upper
117 100
82 52.9 41.8 62.6
119 32.1 26.2 39.2



#71
Bromoform
Concen: 0.29 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN051076.D
Acq: 10 Sep 2018 14:31

Tgt Ion:173 Resp: 1669
Ion Ratio Lower Upper
173 100
175 1255.9 24.3 72.9#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN051076.D

Acq: 10 Sep 2018 14:31

Instrument :

MSVOA_N

ClientSampleId :

STORAGEBLANK-SOILREF-5

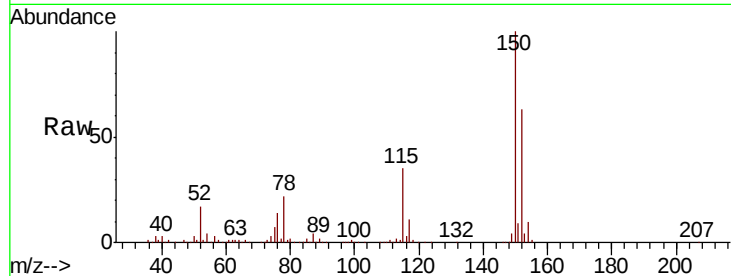
Tot Ion:152 Resp: 288208

Ion Ratio Lower Upper

152 100

115 55.7 28.2 84.7

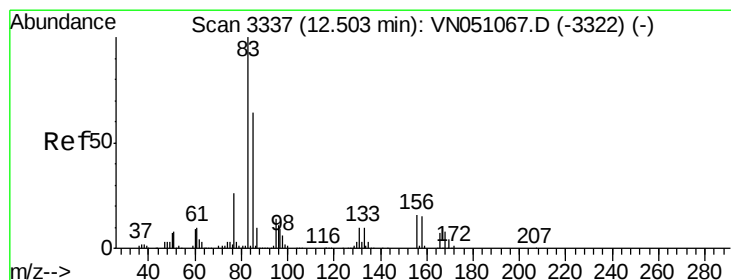
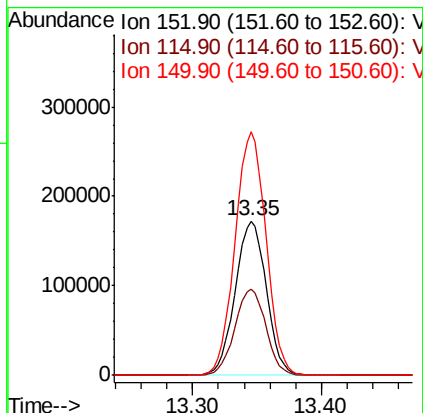
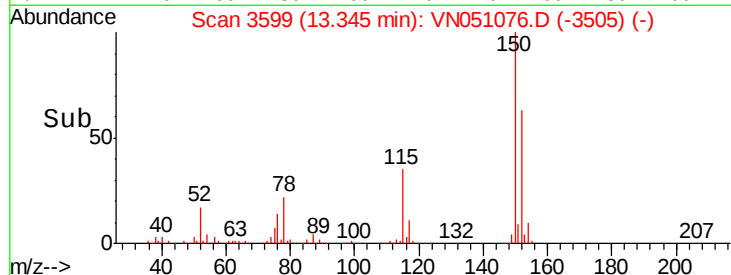
150 157.7 0.0 349.0



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# 3305

Delta R.T. -0.10 min

Lab File: VN051076.D

Acq: 10 Sep 2018 14:31

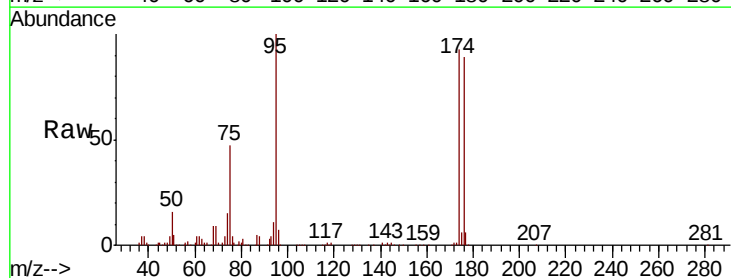
Tgt Ion: 83 Resp: 30

Ion Ratio Lower Upper

83 100

131 1326.7 5.3 16.1#

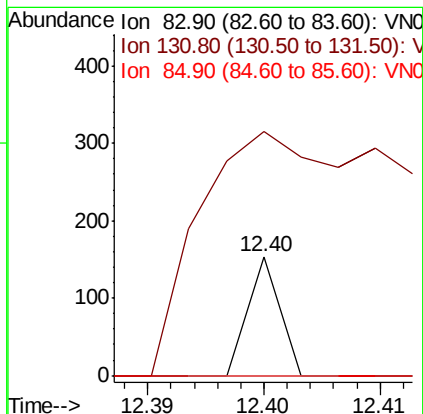
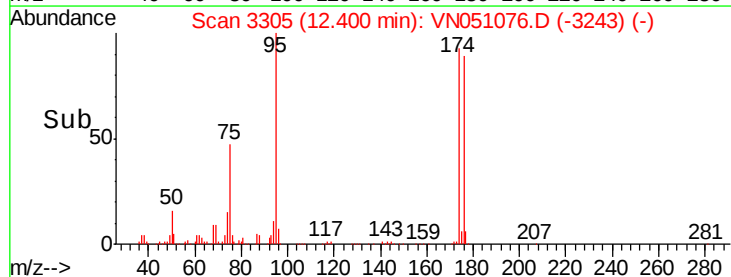
85 0.0 32.3 96.8#

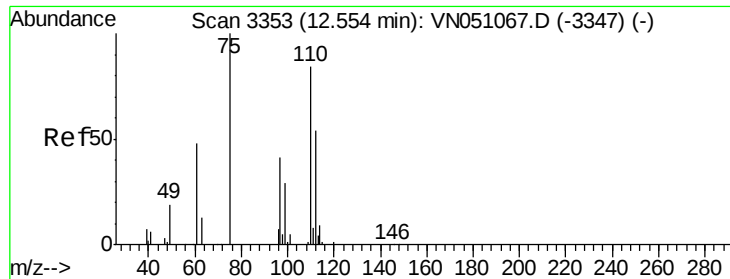


Abundance Ion 82.90 (82.60 to 83.60): V

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): V





#76

1,2,3-Trichloropropane

Concen: 39.50 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN051076.D

Acq: 10 Sep 2018 14:31

Instrument :

MSVOA_N

ClientSampleId :

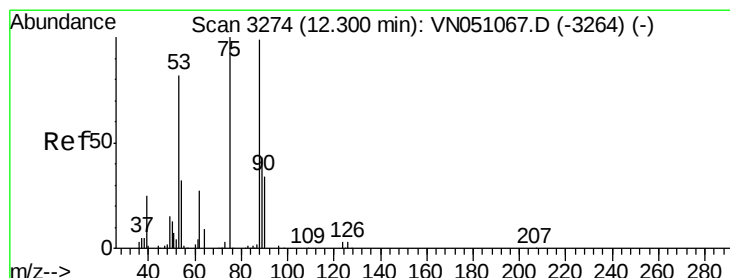
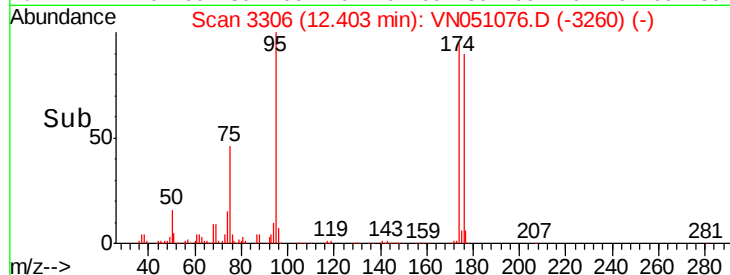
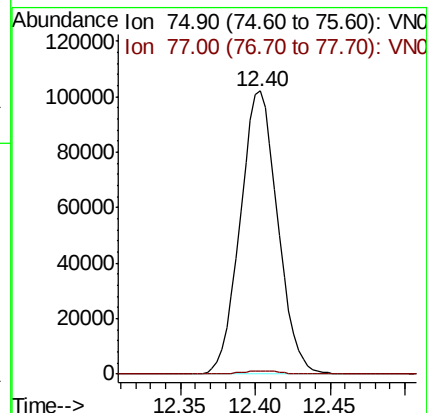
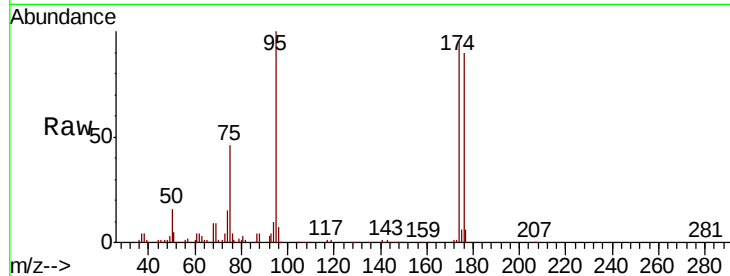
STORAGEBLANK-SOILREF-5

Tot Ion: 75 Resp: 177880

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 117.22 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN051076.D

Acq: 10 Sep 2018 14:31

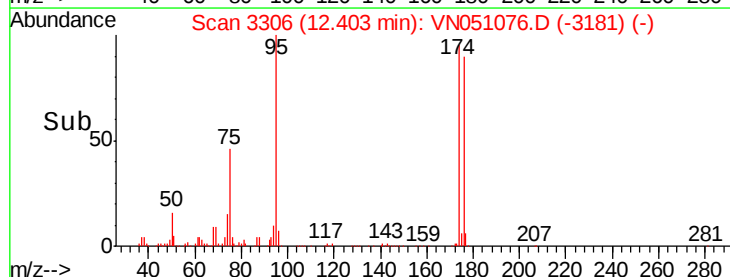
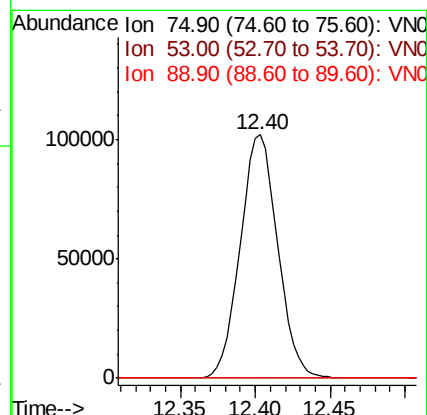
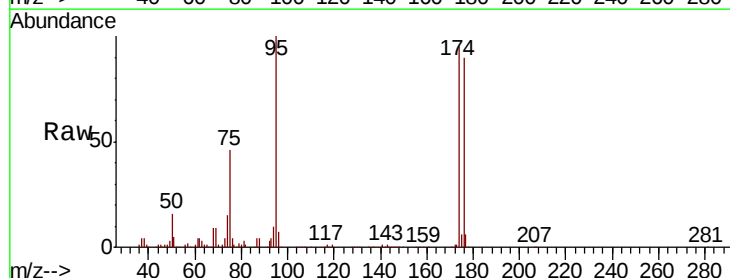
Tgt Ion: 75 Resp: 177880

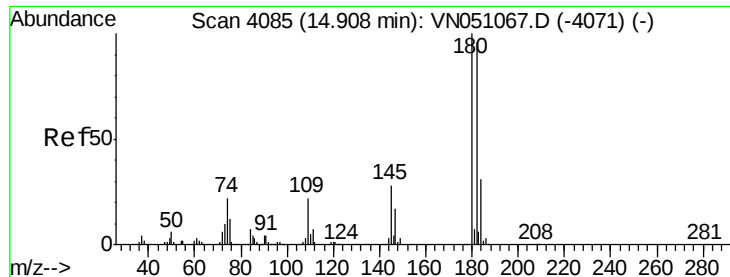
Ion Ratio Lower Upper

75 100

53 0.1 67.8 101.8#

89 0.0 36.0 54.0#





#93

1,2,4-Trichlorobenzene

Concen: 4.06 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.00 min

Lab File: VN051076.D

Acq: 10 Sep 2018 14:31

Instrument :

MSVOA_N

ClientSampleId :

STORAGEBLANK-SOILREF-5

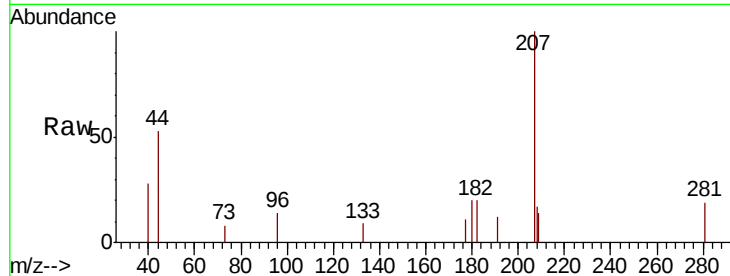
Tot Ion:180 Resp: 461

Ion Ratio Lower Upper

180 100

182 104.8 47.3 141.8

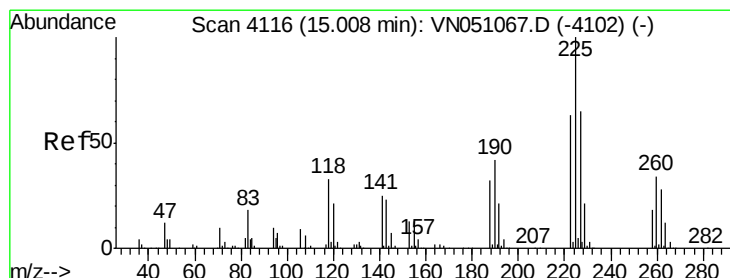
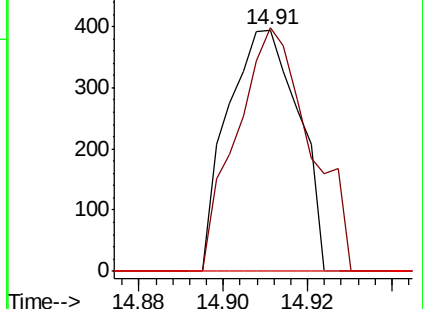
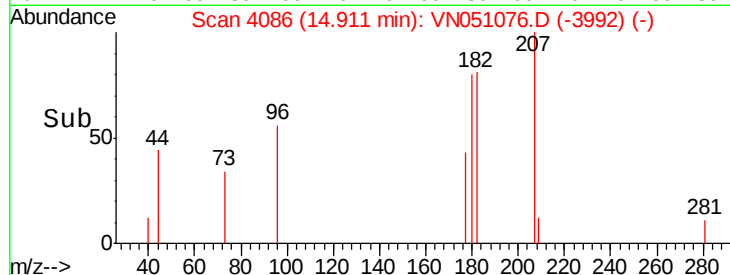
145 0.0 14.2 42.6#



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: Below Cal

RT: 15.01 min Scan# 4117

Delta R.T. 0.00 min

Lab File: VN051076.D

Acq: 10 Sep 2018 14:31

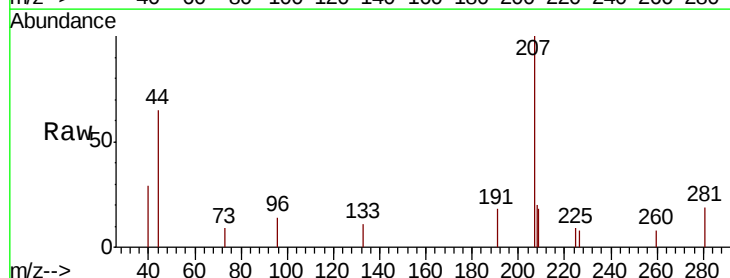
Tgt Ion:225 Resp: 97

Ion Ratio Lower Upper

225 100

223 0.0 31.4 94.0#

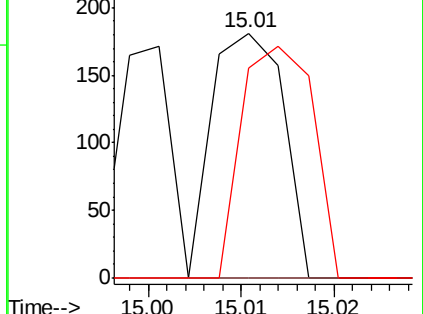
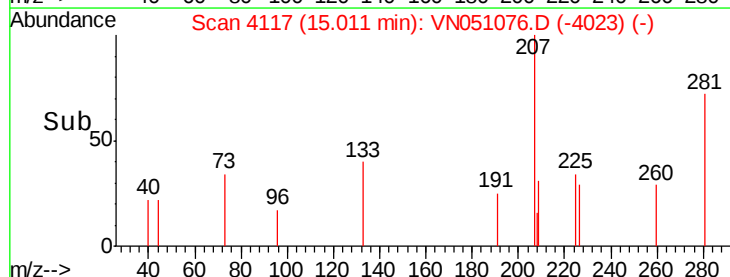
227 94.8 32.1 96.3

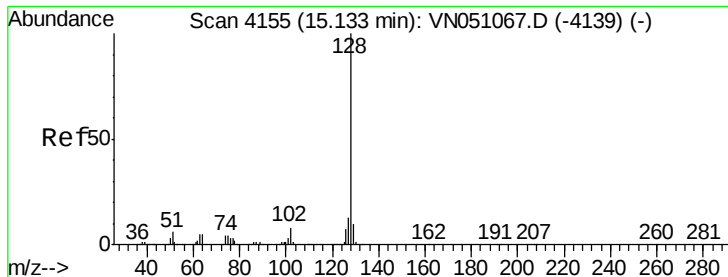


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 5.43 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN051076.D

Acq: 10 Sep 2018 14:31

Instrument :

MSVOA_N

ClientSampleId :

STORAGEBLANK-SOILREF-5

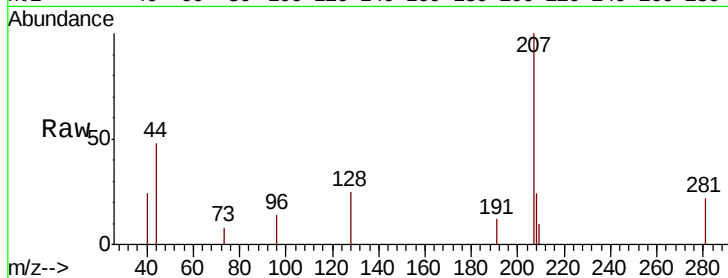
Tot Ion:128 Resp: 1064

Ion Ratio Lower Upper

128 100

127 2.8 10.6 15.8#

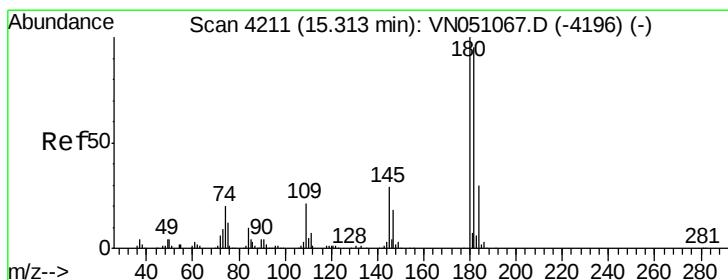
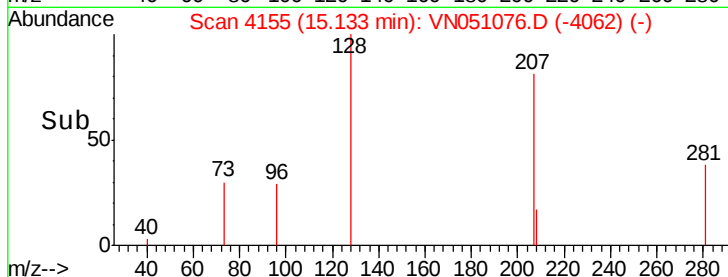
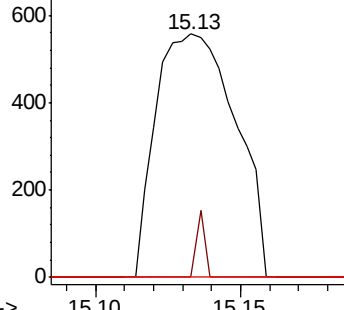
129 0.0 8.6 12.8#



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



#96

1,2,3-Trichlorobenzene

Concen: 3.01 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN051076.D

Acq: 10 Sep 2018 14:31

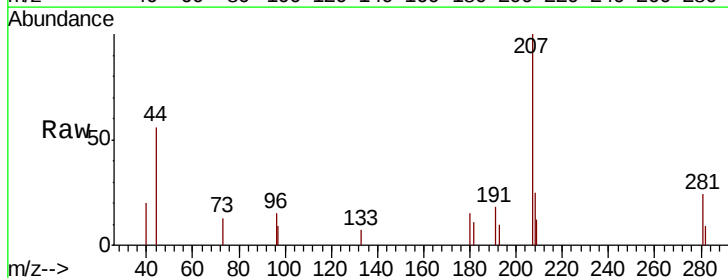
Tgt Ion:180 Resp: 308

Ion Ratio Lower Upper

180 100

182 120.5 47.8 143.3

145 0.0 14.6 43.8#



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

